Conceptronic C300BRS4A versie 2.0

Gebruiksaanwijzing

Gefeliciteerd met uw nieuwe Conceptronic draadloze router

In deze gebruiksaanwijzing vindt u stap-voor-stap instructies voor de installatie van de Conceptronic draadloze router.

Als u meer informatie of ondersteuning voor uw product nodig heeft, kunt u het beste naar onze **Service & Support** website op **www.conceptronic.net** gaan en een van de volgende mogelijkheden kiezen:

- **FAQ** : Database met veel gestelde vragen
- **Downloads** : Gebruiksaanwijzingen, stuurprogramma's, firmware en overige downloads
- **Contact** : Contact opnemen met Conceptronic Support

Voor algemene informatie over Conceptronic producten gaat u naar de Conceptronic website op **www.conceptronic.net**.

De informatie in deze snelstart installatiegids is gebaseerd op Windows 7 en Windows Vista en kan dus afwijken van het gebruik op uw computer als deze een ander besturingssysteem heeft.

NB: In deze snelstartgids vindt u alleen de basisstappen om de draadloze router in gebruik te nemen. Zie voor meer informatie over de functies en mogelijkheden van de draadloze router de Engelstalige gebruiksaanwijzing (User's Manual) op de product-cd.

Inhoud

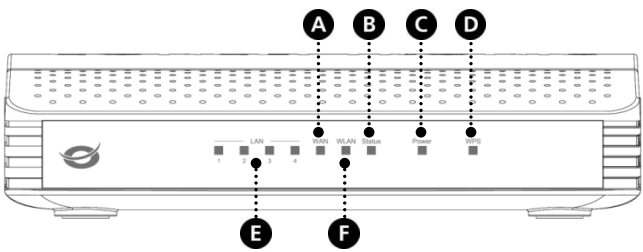
1. Inhoud verpakking

U vindt de volgende items in de verpakking van de Conceptronic draadloze router:

- Conceptronic draadloze router (C300BRS4A v2.0)
- 2x antenne voor de draadloze router
- Netvoeding 9V gelijkstroom, 1A
- LAN-netwerkkabel
- Product-cd
- Deze meertalige snelstart installatiegids
- Garantiekaart en boekje CE-verklaring

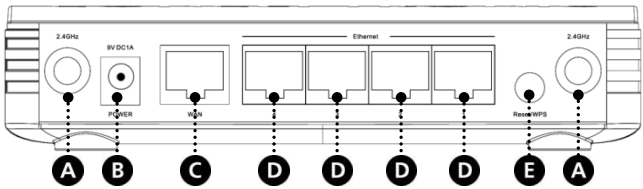
2. Plaats van de onderdelen van de draadloze router

2.1 Voorpaneel



Item	Beschrijving	Status	Betekenis status
A	WAN-lampje	**UIT** **AAN - CONTINU** **AAN - KNIPPERT**	WAN-poort (internet) is niet verbonden WAN-poort is verbonden Er worden gegevens ontvangen/verzonden via de WAN-poort
B	Statuslampje	**UIT** **AAN - KNIPPERT**	Het apparaat staat uit Het apparaat staat aan en is klaar voor gebruik
C	Aan/uit-lampje	**UIT** **AAN**	Het apparaat staat uit Het apparaat staat aan
D	WPS-lampje	**UIT** **AAN - KNIPPERT**	Draadloze WPS-functie staat uit Draadloze WPS-functie accepteert WPS-verbindingen
E	LAN-lampjes (1, 2, 3, 4)	**UIT** **AAN - CONTINU** **AAN - KNIPPERT**	LAN-netwerkpoort (lokaal netwerk) is niet verbonden LAN-netwerkpoort is verbonden Er worden gegevens ontvangen/verzonden via de LAN-netwerkpoort
F	WLAN-lampje	**UIT** **AAN - KNIPPERT**	Draadloos netwerk staat uit Er worden gegevens ontvangen/verzonden via de draadloze verbinding

2.2 Achterpaneel



Item	Beschrijving	Betekenis
A	**Antennes** (2x)	Twee vaste antennes voor draadloze verbindingen
B	**Aansluiting netvoeding**	Hier sluit u de netvoeding aan op de router
C	**WAN-poort**	Hier sluit u uw breedband internetmodem aan op de router
D	**LAN-poorten** (1 – 4)	Hier sluit u computer(s)/netwerkapparatuur aan op de router
E	**Reset/WPS**	WPS-functie aanzetten (kort indrukken) of router resetten (ingedrukt houden)

3. Kabels aansluiten

Sluit de netvoeding aan op de stroomingang aan de achterkant van de draadloze router en op een stopcontact. Het aan/uit-lampje aan de voorkant van de draadloze router gaat aan.

3.1 WAN-poort

Verbind de draadloze router via een LAN netwerkkabel met uw breedband internetmodem.
Het WAN-lampje aan de voorkant van de draadloze router gaat aan.

NB: Als het WAN-lampje aan de voorkant van de router niet aan gaat, moet u ervoor zorgen dat:
- de router aan staat (aan/uit-lampje brandt),
- uw breedband internetmodem aan staat,
- de LAN netwerkkabel tussen router en modem goed is aangesloten.

3.2 LAN-poorten

Sluit een netwerkkabel aan op een van de vier LAN-poorten aan de achterkant van de draadloze router en op de netwerkaansluiting van uw computer.
Het LAN-lampje van de gebruikte LAN-poort gaat branden om aan te geven dat er verbinding is met de computer. (Uw computer moet zijn opgestart en de LAN-aansluiting van de computer moet zijn ingeschakeld.)

4. Computer configureren

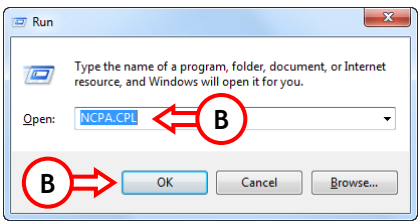
4.1 IP-adres instellen

De draadloze router heeft een ingebouwde DHCP-server. De DHCP-server kent automatisch een IP-adres toe aan iedere aangesloten computer als de netwerkverbinding van de betreffende computer is ingesteld om automatisch een IP-adres te laten toewijzen.

De meeste computers zijn standaard zo geconfigureerd dat ze zich automatisch een IP-adres laten toewijzen. Wanneer dit niet het geval is, moet u de computer configureren om automatisch een IP-adres te laten toewijzen door de onderstaande aanwijzingen op te volgen.

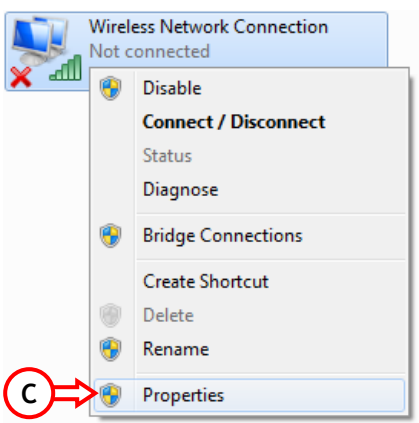
A. Klik op de **'Start'**-knop van Windows en selecteer **'Alle programma's'**, **'Bureau-accessoires'**, **'Uitvoeren'**.

B. Geef de opdracht **'NCPA.CPL'** in en klik op **'OK'**.



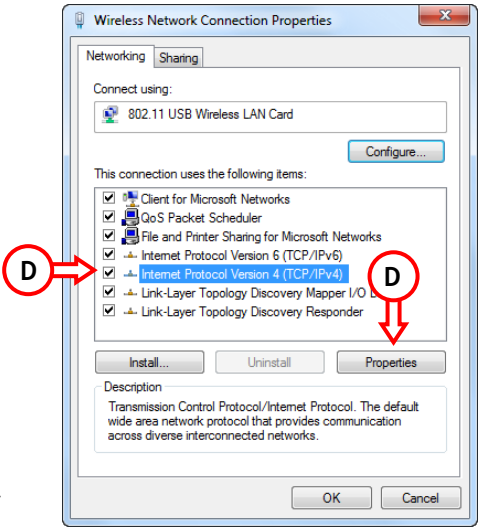
Het venster **"Netwerkverbindingen"** wordt getoond.

C. Klik met de rechter muisknop op **'LAN-verbinding'** of **'Draadloze netwerkverbinding'** (afhankelijk van de gebruikte aansluiting) en selecteer **'Eigenschappen'**.



Het eigenschappenvenster van de gekozen netwerkaansluiting (LAN of draadloos) wordt getoond.

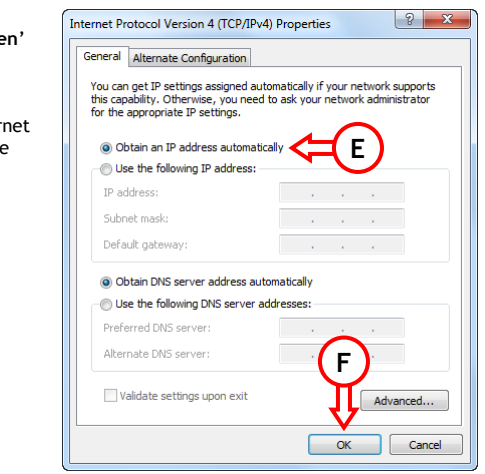
D. Selecteer **'Internet Protocol versie 4 (TCP/IPv4)'** en klik op **'Eigenschappen'**.



Het eigenschappenvenster van Internet Protocol versie 4 (TCP/IPv4) wordt getoond.

E. Kies in het eigenschappenvenster voor **'Automatisch een IP-adres laten toewijzen'** en klik op **'OK'** om de instellingen op te slaan.

F. Klik in het eigenschappenvenster van Internet Protocol versie 4 (TCP/IPv4) op **'OK'** om de instellingen op te slaan.



4.2 Verbinding controleren

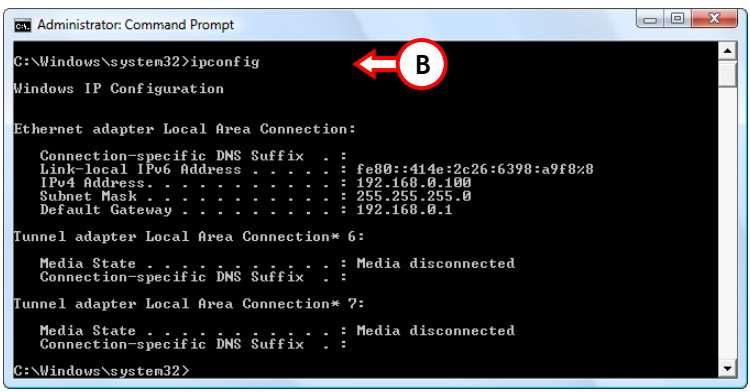
Met de **'Opdrachtprompt'** van Windows kunt u nagaan of uw netwerkaansluiting (via kabel of draadloos) een correct IP-adres heeft gekregen. Het volgende voorbeeld is gebaseerd op Windows 7 en op Vista met Service Pack 1. Om de onderstaande stappen te kunnen uitvoeren, moet u onder Windows 7 en Vista over administrator-toegangsrechten beschikken.

A. Klik op de **'Start'**-knop van Windows en selecteer **'Alle programma's'** gevolgd door **'Bureau-accessoires'**, klik met de rechter muisknop op **'Opdrachtprompt'** en selecteer **'Als administrator uitvoeren'**.

Als u een waarschuwing krijgt, moet u deze accepteren door op **'Doorgaan'** of **'Ja'** te klikken.

Het venster Opdrachtprompt verschijnt. Controleer of de titelbalk van het **'Opdrachtprompt'** venster aangeeft: **"Administrator: Opdrachtprompt"**. Wanneer **"Administrator"** niet wordt aangegeven, heeft u niet de administrator-rechten die u nodig heeft voor de volgende stappen en moet u stap **A** opnieuw uitvoeren.

B. Geef de opdracht **'IPCONFIG'** in en druk op **'ENTER'** op uw toetsenbord.



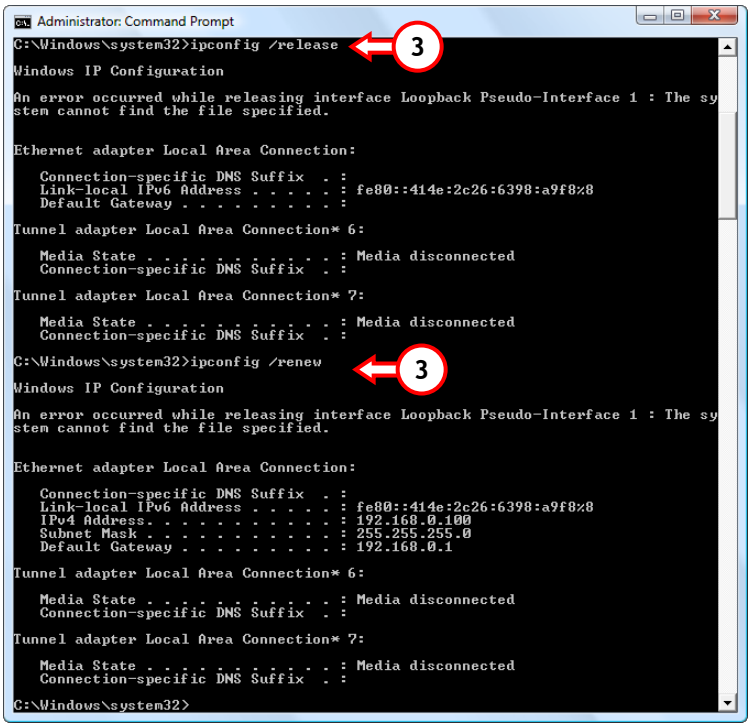
U moet nu de volgende informatie zien:
IPv4-adres **: 192.168.0.xxx** (**xxx** is een getal tussen **100 en 199**)
Subnetmasker **: 255.255.255.0**
Standaardgateway **: 192.168.0.1**

Als de getoonde informatie overeenkomt met het bovenstaande, kunt u verdergaan met de configuratie van het apparaat in **hoofdstuk 5**.

Als de getoonde informatie niet overeenkomt met het bovenstaande (bijv. als uw IP-adres 169.254.xxx.xxx is), moet u de volgende stappen uitvoeren:

1. Haal de stroomkabel uit de router en doe hem er weer in.
2. Verwijder de netwerkkabel tussen de router en uw computer en sluit de netwerkkabel opnieuw aan.

3. Vernieuw het IP-adres van uw computer door middel van de volgende opdrachten in de Opdrachtprompt:
- **'IPCONFIG /RELEASE'** : om een incorrect IP-adres weer vrij te geven.
- **'IPCONFIG /RENEW'** : om het IP-adres te vernieuwen.



Als u het probleem met het IP-adres niet kunt oplossen met de bovenstaande stappen, kunt u de standaard fabrieksinstellingen herstellen met behulp van de WPS/reset-knop aan de achterkant van het apparaat.
Houd de WPS/reset-knop ingedrukt tot het statuslampje uit gaat (ca. 15 seconden). De router start nu automatisch opnieuw op en de standaard fabrieksinstellingen worden teruggezet. Wanneer het statuslampje weer continu brandt, herhaalt u **stap B** om uw IP-adres te vernieuwen.

NB: Als het probleem blijft terugkomen, controleer dan of alle kabels goed zijn aangesloten. De WAN-poort hoort op uw breedband internetmodem te zijn aangesloten en de LAN-poort op de computer. Als u de kabels niet goed aansluit, krijgt u geen correct IP-adres.

5. Draadloze router instellen

In dit hoofdstuk leest u hoe u de draadloze router kunt configureren met de ingebouwde installatiewizard. Wanneer de stappen uit dit hoofdstuk zijn uitgevoerd, zijn de belangrijkste functies van uw router ingesteld.

5.1 Aanmelden

De configuratie van de draadloze router is webgebaseerd. Dit betekent dat u de instellingen van de draadloze router kunt veranderen vanaf iedere ermee verbonden computer die over een internetbrowser beschikt.

NB: We raden u aan geen draadloze verbindingen te gebruiken terwijl de instellingen van de draadloze router worden aangepast, omdat bij wijzigen van bepaalde instellingen bestaande verbindingen worden verbroken. Daarom raden we u met klem aan hiervoor een computer te gebruiken die met een netwerkkabel op de draadloze router is aangesloten.

Om u bij de draadloze router aan te melden, voert u de volgende stappen uit:

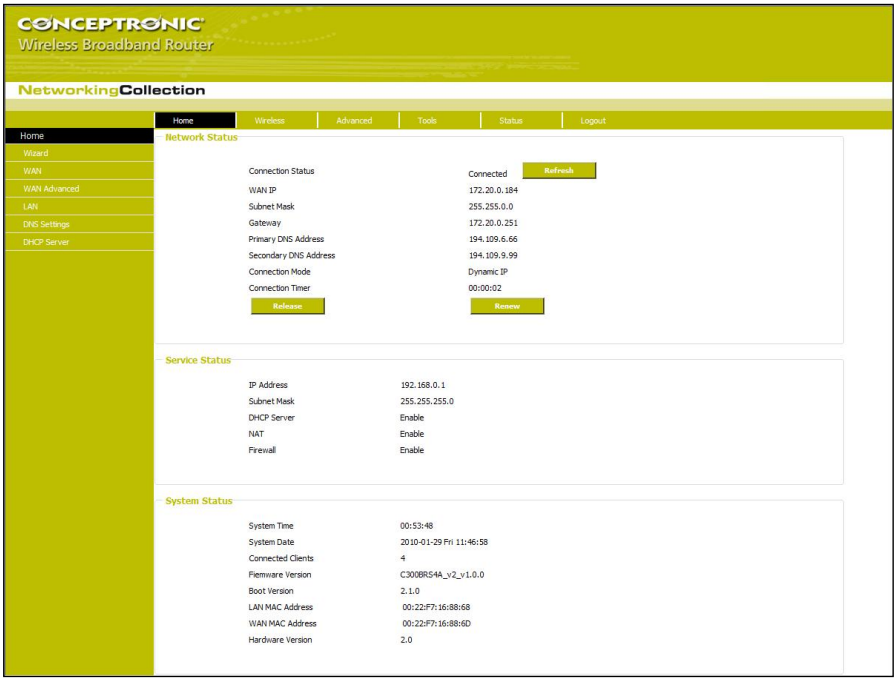
A. Start uw internetbrowser (zoals Internet Explorer, Firefox, Safari of Chrome).

B. Geef het IP-adres van de router in in de adresbalk van uw internetbrowser.
Standaard**: http://192.168.0.1/**

Nu verschijnt een aanmeldvenster waarin om een gebruikersnaam en een wachtwoord wordt gevraagd.

C. Geef de gebruikersnaam en het wachtwoord in en klik op '**OK**' om de webgebaseerde configuratie te starten.
Standaard gebruikersnaam : **admin**
Standaard wachtwoord : **admin**

Wanneer de gebruikersnaam en het wachtwoord correct zijn, toont de router de hoofdpagina met de status van de router:



Op de hoofdpagina ziet u de status van de internetaansluiting, de systeemstatus, firmwareversie en geactiveerde services.

NB: De draadloze router is standaard geconfigureerd om te werken met een door de internetprovider toegewezen dynamisch IP-adres. Dit is een veelgebruikte instelling, waarmee de draadloze router in de meeste gevallen direct uit de doos kan worden gebruikt.

De draadloze router maakt ook standaard gebruik van encryptie, zodat onbevoegde gebruikers zich niet kunnen aanmelden bij uw draadloze netwerk. U vindt de vooraf gedefinieerde encryptiesleutel aan de onderkant van de draadloze router.

5.2 Installatiewizard

U kunt de draadloze router instellen met de ingebouwde wizard. Deze wizard helpt u om de basisinstellingen van de draadloze router stap voor stap te configureren.

NB: Voordat u de wizard start, moet u zorgen dat u alle informatie over uw internetverbinding bij de hand heeft. Voorbeeld: verbindingstype, accountgegevens, etc.

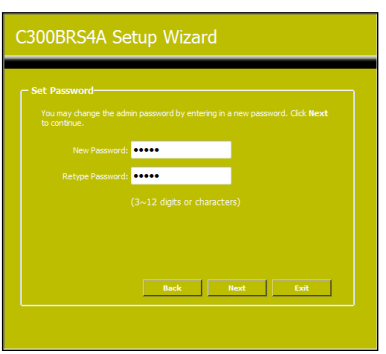
NB: In dit hoofdstuk geldt het volgende: als u niet weet welke instelling u moet kiezen voor uw internetverbinding of als u de juiste informatie niet heeft, moet u de documentatie van uw internetverbinding raadplegen of contact opnemen met uw internetprovider.

A. Klik in het linkermenu op de hoofdpagina op '**Wizard**'.
B. Klik op '**Next**' (Volgende) om de wizard te starten. Het wizardvenster verschijnt op uw scherm:

C. Het welkomvenster van de wizard bevat vijf stappen. Klik op **"Next"** (Volgende) om door te gaan.

D. We raden u aan om hier een admin-wachtwoord in te stellen. Geef het nieuwe wachtwoord in; ter bevestiging moet u het wachtwoord een keer herhalen.

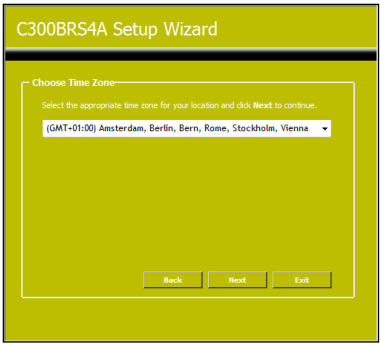
Klik vervolgens op **"Next"** (Volgende).



E. Voor goed systeembeheer is het belangrijk dat de juiste datum/tijd wordt aangegeven bij de gebeurtenissen in het logbestand.

In deze stap stelt u de juiste tijdzone in.

Klik vervolgens op **"Next"** (Volgende).



F. Selecteer de internetverbindingmethode die overeenkomt met de gegevens van uw provider.

Als u niet weet welke instelling u moet kiezen voor uw internetverbinding, moet u de documentatie van uw internetprovider raadplegen of contact opnemen met de helpdesk van de provider.

Klik vervolgens op **"Next"** (Volgende).

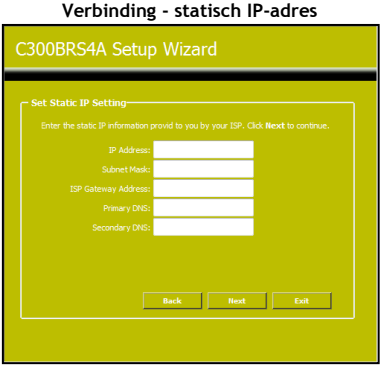
Verbinding - statisch IP-adres

G. Wanneer uw provider heeft aangegeven dat u een statisch IP-adres moet gebruiken, selecteert u de optie **"Static IP"**.

Geef de gevraagde informatie in:

- *IP-adres*
- *Subnetmasker*
- *Gateway-adres ISP*
- *Primaire DNS-server*
- *Secundaire DNS-server (optioneel)*

Klik vervolgens op **"Next"** (Volgende).



H. Wanneer uw provider heeft aangegeven dat u een dynamisch IP-adres moet gebruiken, selecteert u de optie **"Dynamic IP"**.

Sommige providers hebben een specifieke Host Name voor hun verbindingen. Als uw provider gebruik maakt van een bepaalde Host Name, moet u deze naam ingeven in het betreffende veld.

Sommige providers staan slechts 1 specifiek MAC-adres toe verbinding met internet te maken. Als de netwerkaansluiting van uw pc het juiste MAC-adres heeft, klikt u op de knop **"Clone MAC Address"** (MAC-adres klonen); u kunt het MAC-adres ook handmatig ingeven.

Klik vervolgens op **"Next"** (Volgende).

Verbinding - dynamisch IP-adres

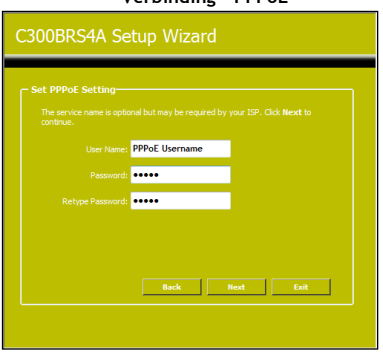
I. Wanneer uw provider heeft aangegeven dat u een PPPoE-verbinding moet gebruiken, selecteert u de optie **"PPPoE"**.

Geef de gevraagde informatie in:

- *User Name (gebruikersnaam)*
- *Password (wachtwoord)*
- *Retype Password (herhaal wachtwoord)*

Klik vervolgens op **"Next"** (Volgende).

Verbinding - PPPoE



J. Wanneer uw provider heeft aangegeven dat u een PPTP-verbinding moet gebruiken, selecteert u de optie **"PPTP"**.

Geef de gevraagde informatie in:

- *Server IP (IP-adres server)*
- *PPTP Account (PPTP gebruikersnaam)*
- *PPTP Password (wachtwoord)*
- *Retype Password (herhaal wachtwoord)*

Klik vervolgens op **"Next"** (Volgende).

Verbinding - PPTP

K. Wanneer uw provider heeft aangegeven dat u een L2TP-verbinding moet gebruiken, selecteert u de optie **"L2TP"**.

Verbinding - L2TP

Geef de gevraagde informatie in:

- *Server IP (IP-adres server)*
- *L2TP Account (L2TP gebruikersnaam)*
- *L2TP Password (wachtwoord)*
- *Retype Password (herhaal wachtwoord)*

Klik vervolgens op **"Next"** (Volgende).

Wanneer de WAN-configuratie is voltooid, gaat de wizard verder met de configuratie van het draadloze netwerk:

L. U kunt de SSID van de router wijzigen. De SSID is de naam die door de draadloze router wordt uitgezonden.

U kunt het gebruikte radiokanaal instellen tussen **1** en **13**. Als u last heeft van een trage verbinding of de verbinding regelmatig wordt verbroken, is het mogelijk dat het signaal wordt gestoord door een ander access point in de buurt. In dat geval kunt u een ander kanaal proberen.

Klik vervolgens op **"Next"** (Volgende).

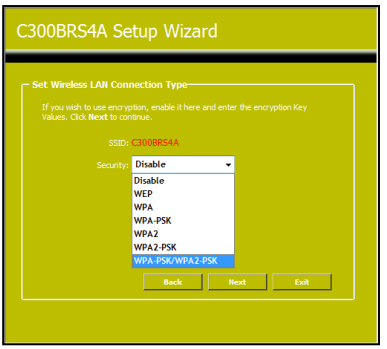
U kunt uw draadloze netwerk beveiligen door middel van encryptie. De draadloze router wordt standaard beveiligd met WPA-PSK/WPA2-PSK Mixed Mode encryptie. U vindt de vooraf gedefinieerde encryptiesleutel aan de onderkant van de router.

NB: Hoewel ook de andere beveiligingsopties van de installatiewizard worden uitgelegd, raden we u aan om uw netwerk te beveiligen met **"WPA-PSK/WPA2-PSK"** als uw cliëntcomputers geen WPS ondersteunen. Dit is het hoogste WPA2 beveiligingsniveau, en het is neerwaarts compatibel met cliënten die alleen over WPA beschikken.

NB: Onthoud de door u ingegeven beveiligingsinformatie goed, of noteer deze ergens. U heeft deze informatie nodig wanneer u een computer of andere cliënt draadloos wilt verbinden met de draadloze router!

M. Selecteer een beveiligingsniveau voor uw draadloze netwerk.

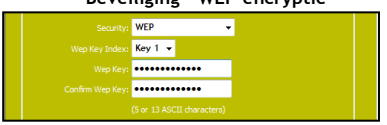
Nadat u een beveiligingsniveau heeft gekozen, toont de wizard de bijbehorende velden voor de benodigde informatie.



N. Als u uw netwerk wilt beveiligen met WEP-encryptie, selecteert u **"WEP"** in het afrolmenu. Geef de WEP-sleutel in (gebruik het ASCII-formaat: A-Z, 0-9).

NB: Met de wizard kunt u alleen 64-bits WEP-encryptie instellen.

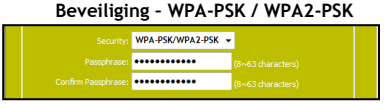
Beveiliging - WEP-encryptie



O. Als u uw netwerk wilt beveiligen met WPA-PSK of WPA2-PSK, selecteert u **"WPA-PSK"**, **"WPA2-PSK"** of **"WPA-PSK/WPA2-PSK"** in het afrolmenu.

Geef de Passphrase (wachtzin) voor uw encryptie in en bevestig deze in het tweede veld.

Beveiliging - WPA-PSK / WPA2-PSK

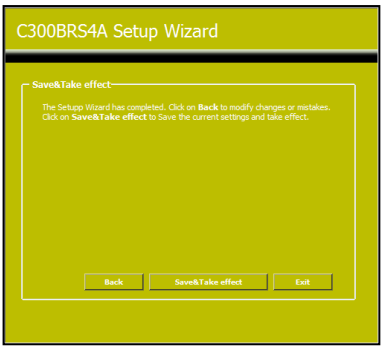


P. Wanneer alle draadloze instellingen zijn ingevuld, klikt u op **"Volgende"** om door te gaan.

Q. De installatiewizard is nu voltooid. Als u uw instellingen wilt opslaan en in gebruik nemen, klikt u op **"Save & Take Effect"** (Opslaan en in gebruik nemen).

Als u een instelling wilt aanpassen, klikt u op **"Back"** (Terug) om naar het vorige venster terug te gaan.

Als u de installatiewizard wilt afsluiten zonder de instellingen te wijzigen, klikt u op **"Exit"** (einde).



Als u **"Save & Take Effect"** selecteert, past de router de geconfigureerde instellingen toe en start hij opnieuw op. Wacht dan op de melding **"Setup Wizard configuration is complete"** (Configuratie door Setup Wizard voltooid).

R. Klik op **"OK"** om de installatiewizard af te sluiten.

Uw draadloze router is nu klaar voor gebruik!

6. Verbinden met draadloos netwerk

Er zijn twee verschillende manieren om draadloos verbinding te maken met de draadloze router:
- Handmatig.
- Automatisch met behulp van de WPS-functie.

! BELANGRIJKE OPMERKING !

De draadloze router is standaard beveiligd met WPA-PSK/WPA2-PSK encryptie (Mixed Mode). U vindt de unieke WPA "passphrase" (een soort wachtwoord) op het productetiket aan de onderkant van uw draadloze router.

Vrijwel alle merken/types draadloze netwerkkaarten gebruiken een andere cliënt-applicatie. Zie de gebruiksaanwijzing van uw draadloze netwerkkaart voor informatie over hoe u verbinding maakt met een draadloos netwerk.

6.1 Handmatig verbinden in Windows 7

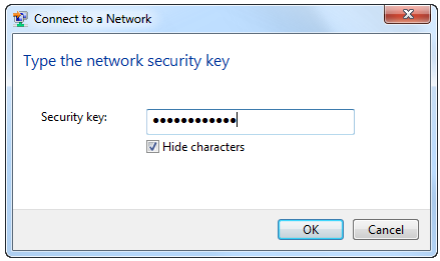
In het volgende voorbeeld wordt gebruik gemaakt van de standaardfunctie **"Verbinding met een netwerk maken"** die aanwezig is in Windows 7.

A Klik op het '**Netwerk**' pictogram in het Windows systeemvak voor een lijst met beschikbare draadloze netwerken.

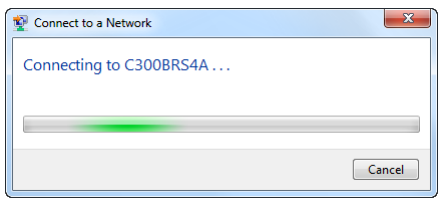
B Selecteer het netwerk **"C300BRS4A"** in de lijst en klik op '**Verbinding maken**'.

Standaard is de optie **"Automatisch verbinding maken"** geselecteerd. Dit zorgt ervoor dat de verbinding steeds automatisch wordt gestart wanneer uw computer wordt aangezet. Als u dit niet wilt, kunt u dit vakje uitschakelen voordat u op '**Verbinding maken**' klikt.

C Geef in het veld **"Beveiligingssleutel of wachtwoordzin"** de standaard WPA passphrase in (zoals aangegeven op de onderkant van uw draadloze router) en klik op **'OK'**.



D De cliënt maakt nu verbinding met het draadloze netwerk.

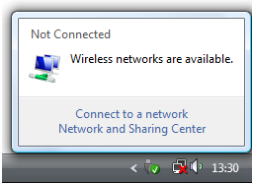


E Om de status van de draadloze verbinding te controleren, kunt u op het **'Netwerk'** pictogram in het systeemvak klikken. U ziet hier met welk netwerk u momenteel verbonden bent, informatie over de verbinding en de sterkte van het signaal.

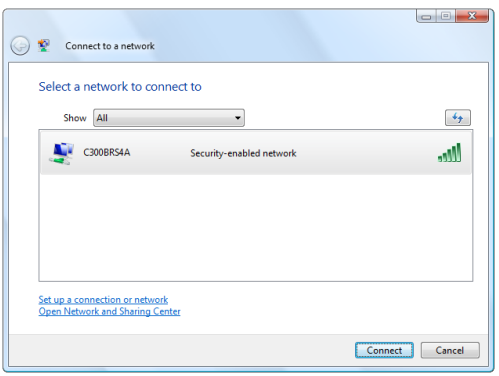
6.2 Handmatig verbinden in Windows Vista

In het volgende voorbeeld wordt gebruik gemaakt van de standaardfunctie **"Verbinding met een netwerk maken"** die aanwezig is in Windows Vista met Service Pack 1.

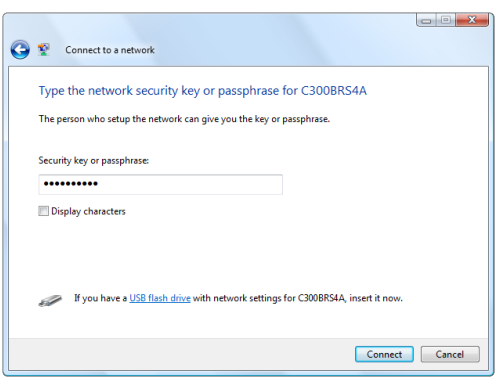
A Klik op het **'Netwerk'** pictogram in het systeemvak en klik op **"Er zijn draadloze netwerken beschikbaar"**.



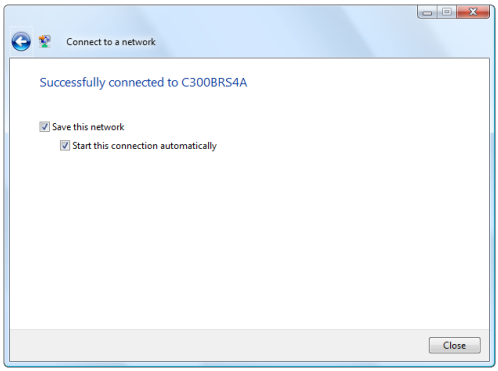
B Selecteer het netwerk **"C300BRS4A"** in de lijst en klik op **'Verbinding maken'**.



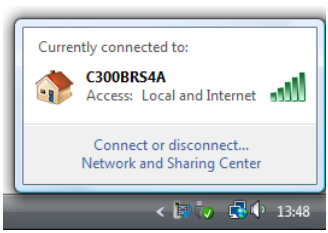
C Geef in het veld **"Beveiligingssleutel of wachtwoordzin"** de standaard WPA passphrase in (zoals aangegeven op de onderkant van de C300BRS4A) en klik op **'Verbinding maken'**.



D Nadat verbinding is gemaakt, kunt u ervoor kiezen om dit netwerk vast te leggen en er voortaan automatisch verbinding mee te maken zodra uw computer wordt aangezet. Klik op **'Sluiten'** om de verbindingwizard af te sluiten.



E Om de status van de draadloze verbinding te controleren, kunt u op het **'Netwerk'** pictogram in het systeemvak klikken. U ziet hier met welk netwerk u momenteel verbonden bent, informatie over de verbinding en de sterkte van het signaal.



6.3 Automatisch verbinden met behulp van WPS

De Conceptronic draadloze router ondersteunt WPS (Wi-Fi Protected Setup, beveiligde instelling draadloos netwerk). WPS is een standaard waarmee u in enkele eenvoudige stappen veilig een draadloos netwerk kunt opzetten.

NB: Om op de draadloze router gebruik te kunnen maken van WPS, moeten uw draadloze cliënten (zoals pc's) zelf ook WPS ondersteunen. Als u een of meer draadloze cliëntcomputers heeft die geen WPS ondersteunen, raden we u aan handmatig verbinding te maken met de draadloze router en de WPA-wachtwoordzin te gebruiken die aan de onderkant van het apparaat staat aangegeven. Zie **paragraaf 6.1** of **6.2** voor handmatige aansluiting op het draadloze netwerk.

NB: Ga voor meer (technische) informatie over WPS naar de volgende website: http://en.wikipedia.org/wiki/Wi-Fi_Protected_Setup

Met WPS kunt u de draadloze router met een cliënt verbinden door op beide apparaten op een knop te drukken.

Voor deze methode moet uw draadloze cliënt over een (virtuele) knop beschikken om verbinding te kunnen maken met de draadloze router.
Sommige draadloze cliënten hebben een echte knop waarmee WPS wordt gestart; andere draadloze cliënten hebben software met een virtuele WPS-knop.

Volg de onderstaande stappen om via een WPS-knop verbinding te maken met de router:

A. Druk aan de achterkant van de draadloze router op de WPS-knop; het WPS-lampje gaat knipperen om aan te geven dat de WPS-authenticatie is gestart.

B. Druk op de WPS-knop van uw draadloze cliënt. Dit kan een hardware-knop zijn of een virtuele knop in de software van de draadloze cliënt.

NB: De draadloze router houdt de WPS-authenticatie 120 seconden lang actief. Tijdens dit proces knippert het WPS-lampje. Als er tijdens deze 120 seconden geen verbinding tot stand komt, gaat het lampje uit en wordt de WPS-authenticatie afgebroken.

Wanneer de WPS-authenticatie is gelukt, gaat het WPS-lampje uit.

De draadloze cliënt heeft nu verbinding met het beveiligde draadloze netwerk van de draadloze router. U kunt meer draadloze WPS-cliënten toevoegen zonder dat de bestaande verbinding met eerder aangesloten cliënten verloren gaat. Als u meer draadloze WPS-cliënten wilt toevoegen, herhaalt u de stappen **A** en **B**.

7. Port forwarding (Poorten doorgeven)

De Conceptronic draadloze router heeft een ingebouwde firewall om internetaanvallen op uw netwerk af te weren. Deze firewall blokkeert automatisch al het inkomende verkeer op ongebruikte poorten. Wanneer u een geblokkeerde poort nodig heeft voor een toepassing (zoals een FTP-server of webserver) kunt u op de configuratiepagina's een doorschakelregel aanmaken om het verkeer aan deze toepassing door te geven.

De draadloze router ondersteunt ook UPnP voor het doorgeven van poorten, zodat locale UPnP-toepassingen automatisch poortdoorschakelingen aan de configuratie van de router kunnen toevoegen. Dit betekent dat u voor UPnP-geschikte toepassingen niet handmatig een doorschakelregel hoeft aan te maken op de draadloze router.

Als UPnP niet beschikbaar is of als er om een andere reden een doorschakelregel moet worden toegevoegd, raden we u aan om de computer(s) en/of netwerkapparatuur een vast (statisch) IP-adres te geven in plaats van een dynamisch IP-adres.

Hieronder vindt u een lijstje met veel gebruikte poortnummers en de bijbehorende applicaties:

Poort	Applicatie	Poort	Applicatie
20	FTP-data (FTP-server)	**80**	HTTP (webserver)
21	FTP-data (FTP-server)	**110**	POP3 (mailserver – inkomend)
22	SSH (Secure shell)	**2000**	Remotely Anywhere
23	Telnet	**5800**	VNC
25	SMTP (mailserver – uitgaand)	**5900**	VNC

Zie voor meer poorten en bijbehorende applicaties http://portforward.com/cports.htm

NB: Zie voor een gedetailleerde beschrijving van de opties voor doorgeven van poorten en DMZ de gebruiksaanwijzing (User's Manual, uitsluitend in het Engels) op de product-cd.

De draadloze router kan verschillende soorten regels instellen voor poortdoorschakeling:

- **Single Port forwarding (één poort doorgeven)**

  Met **'Single Port Forwarding'** kunt u een bepaalde poort openen voor toepassingen die één poort nodig hebben, zoals een webserver of FTP server.

- **Port Range Forwarding (reeks poorten doorgeven)**

  Met **'Port Range Forwarding'** kunt u een serie poorten openen voor toepassingen die een aantal poorten nodig hebben, zoals peer-to-peer software voor bestandsuitwisseling en games met online multiplayer functie.

Om poorten door te geven, moet u zich eerst aanmelden bij het webgebaseerde menu van de router:

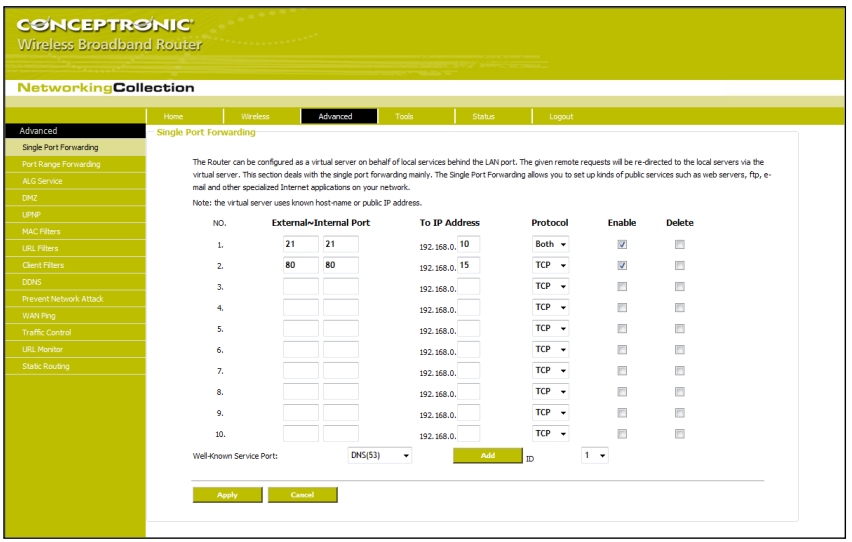
- Meld u aan bij de draadloze router zoals beschreven in **paragraaf 5.1**.
- Selecteer **"Advanced"** (Geavanceerd) in de bovenste menubalk. U ziet nu links de menubalk Advanced.

NEDERLANDS

Single Port forwarding (één poort doorgeven)

- Selecteer **'Single Port Forwarding'** in het Advanced menu links op het scherm.

De **'Single Port Forwarding'** configuratiepagina wordt op uw scherm weergegeven:



NB: In de bovenstaande afbeelding ziet u een voorbeeld met enkele regels voor poortdoorschakeling.

U kunt in de draadloze router maximaal 10 doorschakelregels voor afzonderlijke poorten definiëren.

- Vul de benodigde informatie voor de poortdoorschakeling in de volgende velden in:
  - **External Port** (Externe poort) : Geef de poort in die van buitenaf (op internet) zichtbaar moet zijn.
  - **Internal Port** (Interne poort) : Geef de gewenste locale poort voor de computer/het apparaat in.
  - **IP Address** (IP-adres) : Geef het locale IP-adres van de computer/het apparaat in.
  - **Protocol** : Selecteer het type van het door te geven netwerkverkeer.
  - **Enable** (Inschakelen) : De geconfigureerde regel aan- of uitzetten.
  - **Delete** (Verwijderen) : De geconfigureerde regel verwijderen.

NB: Als u niet weet welk protocol (**'Type'**) u nodig heeft voor deze regel, selecteert u **"Both"** (Beide). Met deze optie wordt zowel TCP- als UDP-verkeer doorgegeven aan het hier ingestelde IP-adres.

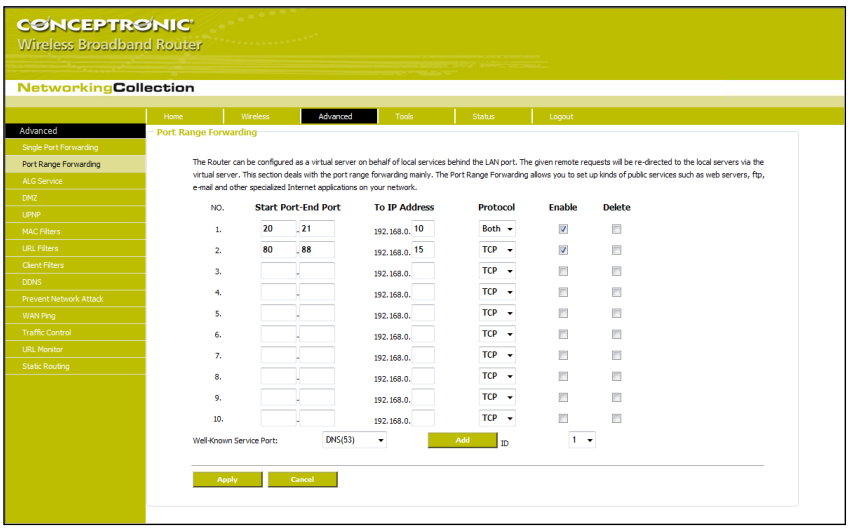
Als u de regels heeft veranderd, moet u op **"Apply"** (Toepassen) klikken om de gewijzigde doorschakelconfiguratie vast te leggen.

NB: Om te zorgen dat de geconfigureerde regels correct werken, raden we u aan uw router te herstarten nadat u uw poortdoorschakelingen heeft geconfigureerd.

Port Range Forwarding (reeks poorten doorgeven)

- Selecteer **'Port Range Forwarding'** in het Advanced menu links op het scherm.

De **'Port Range Forwarding'** configuratiepagina wordt op uw scherm weergegeven:



NB: In de bovenstaande afbeelding ziet u een voorbeeld met enkele regels voor poortdoorschakeling.

U kunt in de draadloze router maximaal 10 doorschakelregels voor poortreeksen definiëren.

- Vul de informatie van de naar uw computer door te schakelen poortreeks in de volgende velden in:
  - **Start Port** (Eerste poort) : Geef de eerste poort in van de reeks die moet worden doorgegeven.
  - **End Port** (Laatste poort) : Geef de laatste poort in van de reeks die moet worden doorgegeven.
  - **IP Address** (IP-adres) : Geef het locale IP-adres van de computer/het apparaat in.
  - **Protocol** : Selecteer het type van het door te geven netwerkverkeer.
  - **Enable** (Inschakelen) : De geconfigureerde regel aan- of uitzetten.
  - **Delete** (Verwijderen) : De geconfigureerde regel verwijderen.

NB: Als u niet weet welk protocol (**'Type'**) u nodig heeft voor deze doorschakelregel, selecteert u **"Both"** (Beide) om zowel TCP- als UDP-verkeer door te geven aan het hier ingestelde IP-adres.

Als u de regels heeft veranderd, moet u op **"Apply"** (Toepassen) klikken om de gewijzigde doorschakelconfiguratie vast te leggen.

NB: Om te zorgen dat de geconfigureerde regels correct werken, raden we u aan uw router te herstarten nadat u uw poortdoorschakelingen heeft geconfigureerd.

Wanneer de router is herstart, worden alle instellingen in gebruik genomen en worden de doorschakelregels toegepast.

De door u gedefinieerde regels voor poortdoorschakeling zijn nu klaar voor gebruik

NB: Zie voor een gedetailleerde beschrijving van de mogelijkheden en instellingen van de C300BRS4A de gebruiksaanwijzing (User Manual, uitsluitend in het Engels) op de meegeleverde product-cd.

Conceptronic C300BRS4A version 2.0

User Manual

Congratulations on the purchase of your Conceptronic wireless router

This user manual gives you a step-by-step explanation of how to install and use the Conceptronic wireless router.

When you need more information or support for your product, we advise you to visit our **Service & Support** website at **www.conceptronic.net/support** and select one of the following options:

- **FAQ** : Frequently Asked Questions database
- **Downloads** : Manuals, Drivers, Firmware and more downloads
- **Contact** : Contact Conceptronic Support

For general information about Conceptronic products visit the Conceptronic website at **www.conceptronic.net**.

The information in this quick installation guide is based on Windows 7 and Vista, but can differ from your computer when you are using a different operating system.

Note: This user manual only explains the basic steps to get the wireless router up and running. For more info about the various functions of the wireless router, please refer to the extended user manual (English only) on the product CD-ROM.

Table of contents

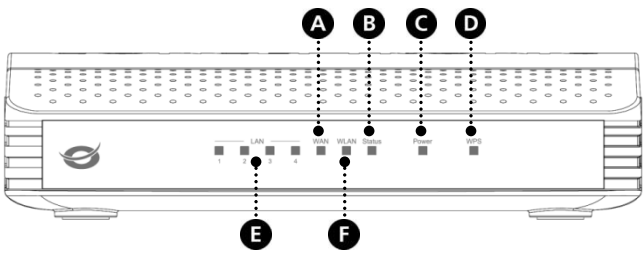
1. Package contents

The following items are present in the package of the Conceptronic wireless router:

- Conceptronic wireless router (C300BRS4A v2.0)
- 2x antenna for the wireless router
- Power supply 9V DC, 1A
- Network (LAN) cable
- Product CD-ROM
- This multi language quick installation guide
- Warranty card & CE declaration booklet

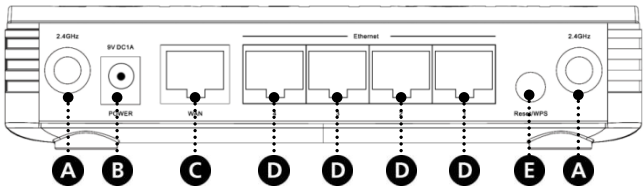
2. The wireless router explained

2.1 Front panel



Nr	Description	Status	Status Explanation
A	WAN LED	**OFF**	WAN port is not connected
		ON - STEADY	WAN port is connected
		ON - FLASHING	WAN port activity (sending or receiving data)
B	Status LED	**OFF**	The device is switched off
		ON - FLASHING	The device is switched on and ready to use
C	Power LED	**OFF**	The device is switched off
		ON	The device is switched on
D	WPS LED	**OFF**	Wireless WPS function is off
		ON - FLASHING	Wireless WPS function is accepting WPS connections
E	LAN LEDs (1, 2, 3, 4)	**OFF**	LAN port is not connected
		ON - STEADY	LAN port is connected
		ON - FLASHING	LAN port activity (sending or receiving data)
F	WLAN LED	**OFF**	Wireless network is switched off
		ON - FLASHING	Wireless network activity (sending or receiving data)

2.2 Back panel



Nr	Description	Explanation
A	**Wireless antennas (**2x**)**	Two fixed antennas for wireless broadcasting
B	**Power connection**	Connect the power supply to the router
C	**WAN port**	Connect your broadband connection to the router
D	**LAN ports (**1 – 4**)**	Connect your computer(s)/network device(s) to the router
E	**Reset/WPS button**	Activate WPS function (short press) or perform a reset (hold)

3. Connecting the cables

Connect the power supply to the power connection on the back of the wireless router and to an available wall socket. The power LED on the front of the wireless router will lit up.

3.1 WAN port

Use a network (LAN) cable to connect the wireless router to your broadband modem.
The WAN LED on the front of the wireless router will lit up.

Note: If the WAN LED on the front does not lit up, make sure that:
- The wireless router is powered on (the power LED should burn).
- The broadband modem is turned on.
- The network (LAN) cable between both devices is connected correctly.

3.2 LAN port(s)

Connect the network (LAN) cable to 1 of the 4 LAN ports on the back panel of the wireless router and to the network card of your computer.
The LAN LED of the used LAN port will lit up, indicating that the computer is connected. (Your computer must be switched on and the LAN connection must be enabled).

4. Configuring the computer

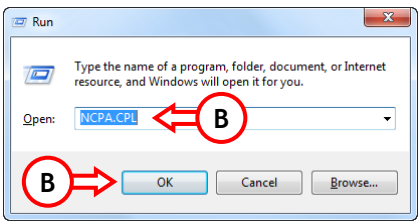
4.1 Configuring the IP address

The wireless router is equipped with a built-in DHCP server. The DHCP server will automatically assign an IP address to each connected computer if the connected computer is configured to automatically obtain an IP address.

Most computers are by default configured to automatically obtain an IP address. Should this not be the case, you will need to configure your computer to obtain an IP address automatically by following the instructions below.

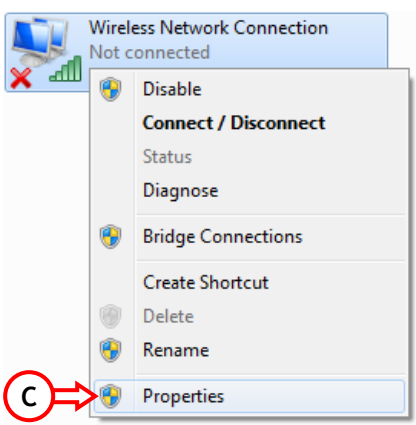
A. Click on **'Start'**, go to **'All Programs'**, **'Accessories'** and choose **'Run'**.

B. Enter the command **'NCPA.CPL'** and click on **'OK'**.



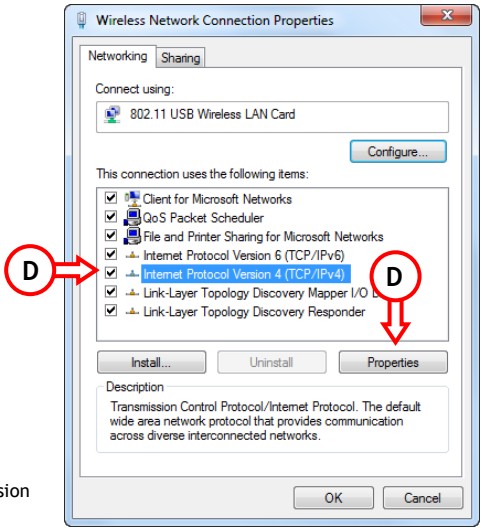
The **"Network Connections"** window will appear.

C. Right click on **'Local Area Connection'** or **'Wireless Network Connection'** (depending on the connection you use) and select **'Properties'**.



The properties window of your Local Area Connection or Wireless Network Connection will appear.

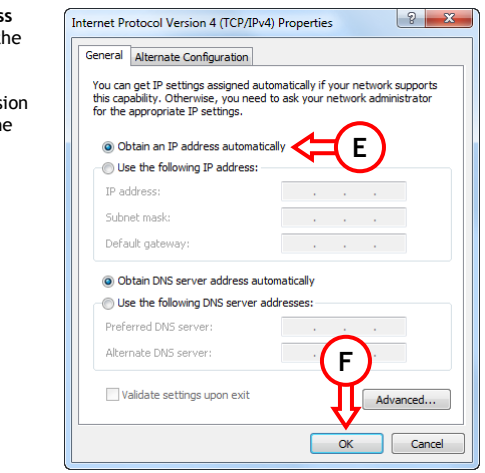
D. Select '**Internet Protocol Version 4 (TCP/IPv4)**' and click on '**Properties**'.



The properties window of Internet Protocol Version 4 (TCP/IPv4) will appear.

E. Set the properties to '**Obtain an IP address automatically**' and click on '**OK**' to save the settings.

F. Click on '**OK**' in the Internet Protocol Version 4 (TCP/IPv4) Properties window to save the settings.



4.2 Checking the connection

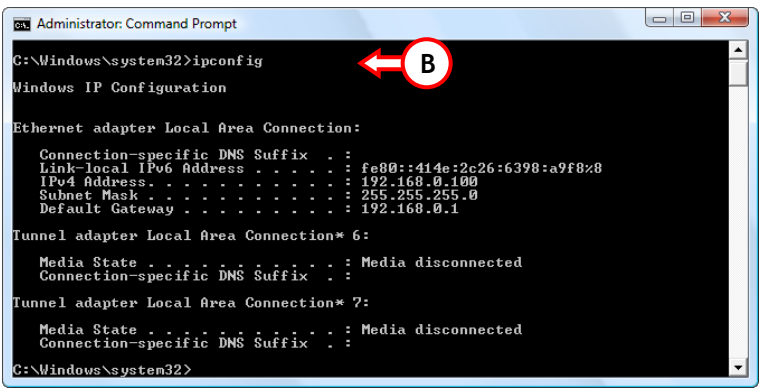
With the **'Command Prompt'** of Windows you can verify if you have received a correct IP address on your Local Area Connection or Wireless Network Connection. This example is based on Windows 7 and Vista with Service Pack 1. Windows 7 and Vista need administrative rights to perform the steps below, which are explained in the following steps.

A. Click on **'Start'**, **'All Programs'**, **'Accessories'**, right click on **'Command Prompt'** and select **'Run as administrator'**.

You might get a warning message, which you will need to accept by clicking **'Continue'** or **'Yes'**.

The Command Prompt window will appear. Make sure the **'Command Prompt'** title bar mentions **"Administrator: Command Prompt"**. When **"Administrator"** is not mentioned, you do not have the necessary administrative rights for these steps and you will need to perform **step A** again.

B. Enter the command **'IPCONFIG'** and press **'ENTER'** on your keyboard.



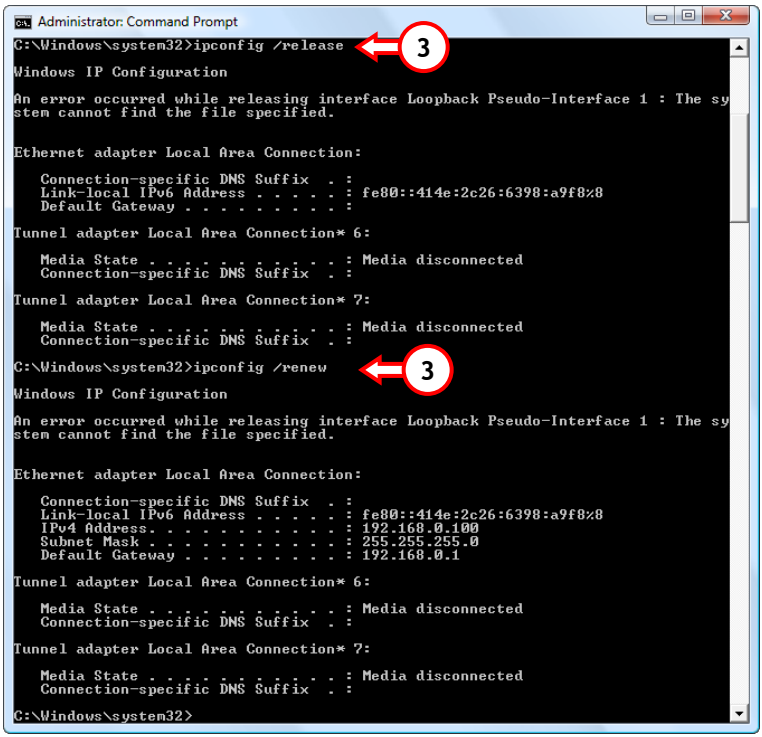
You should see the following information:
IPv4 Address **: 192.168.0.xxx** (where **xxx** can vary between **100 ~ 199**).
Subnet Mask **: 255.255.255.0**
Default Gateway **: 192.168.0.1**

If the information above matches your configuration you can continue configuring the router in **chapter 5**.

If the information shown above does not match your configuration (i.e. your IP address is 169.254.xxx.xxx) you will need to take the following steps:

1. Disconnect and reconnect the power of the router.
2. Disconnect and reconnect the network cable to the router and to your computer.

3. Renew the IP address of your computer with the following commands:
   - **'IPCONFIG /RELEASE'** : this will release the incorrect IP address
   - **'IPCONFIG /RENEW'** : this will renew the IP address



If above steps do not solve the IP address issue, you can reset the device to the factory default settings with the WPS/reset button on the back of the device.
Press and hold the WPS/reset button until the status LED turns off (about 15 seconds). This will reboot the router and load the factory default settings into the router. When the power LED burns steady again, repeat **step B** to renew the IP address.

Note: If the problem remains, check if all cables are connected in the correct way. The WAN port should be connected to the modem and the LAN port to the computer. Connecting them in the wrong way will also result in an incorrect IP address.

5. Configuring the wireless router

This chapter describes how to configure the wireless router using the built-in setup wizard. After completing the steps in this chapter your router has been set up for its primary functions.

5.1 Logging in

For configuration of the wireless router a web based interface is being used. This means you are able to configure the wireless router on any computer with a web browser which is connected to the wireless router.

Note: It is strongly advised not to use a wireless connection while configuring the wirelsss router, since its connection could be lost when adjusting certain settings. Therefore it is highly recommended to use a computer that is connected to the wireless router with a network cable.

To log in to the wireless router, follow these steps:

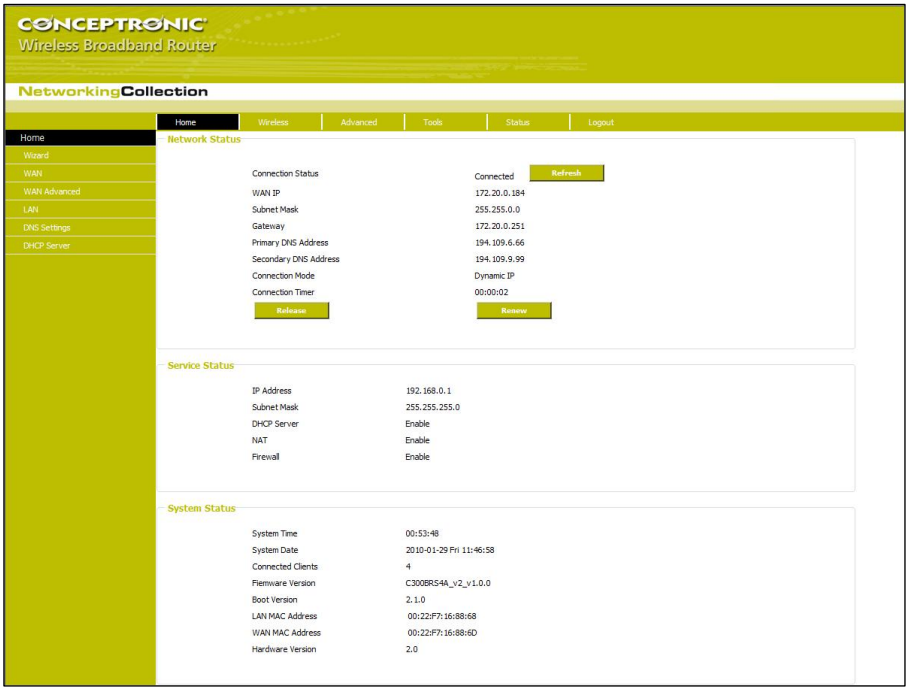
A. Start your web browser (like: Internet Explorer, Firefox, Safari or Chrome).

B. Enter the IP address of the router in the address bar of your web browser.
By default : **http://192.168.0.1/**

A login window will be shown asking you for the user name and password.

C. Enter the user name and password and click on '**OK**' to enter the web based configuration.
Default user name : **admin**
Default password : **admin**

When the user name and password are correct the wireless router will show the main page with the status of the wireless router:



On the main page, you can see the status of the internet connection, the system status, firmware version and activated services.

Note: By default, the wireless router is configured to work with Dynamic IP addresses provided by the internet provider. This is a common used setting, making the wireless router to work out of the box in most cases.

The wireless router is also encrypted by default, preventing unauthorized users to login to your wireless network. You can find the predefined encryption key on the bottom of the wireless router.

5.2 Wizard

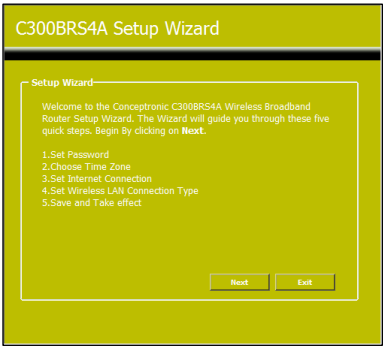
You can setup the wireless router through the built-in Wizard. This Wizard will help you configuring the basic settings of the wireless router step by step.

Note: Before starting the Wizard, make sure you have all information about your internet connection available. For example: connection type, account information, etc.

Note: Throughout this chapter the following applies: If you do not know which option to choose or do not have the necessary information available, you should either refer to the documentation of your internet connection or contact your internet service provider (from now on called ISP).

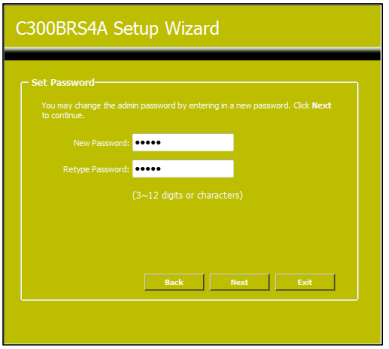
A. Click on '**Wizard**' at the left menu on the main page.
B. Click on '**Next**'to start the wizard. A popup with the Wizard will be shown on your screen:

C. The welcome screen lists five steps of the wizard. Click **"Next"** to continue.



D. You are recommended to set an admin password here. Enter the new password and re-enter it for confirmation.

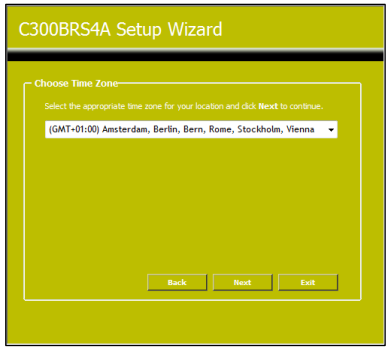
When completed, click **"Next"**.



E. For system management purpose, a correct time setting is critical to have accurate time stamps on the system logs.

Set an appropriate Time Zone in this step.

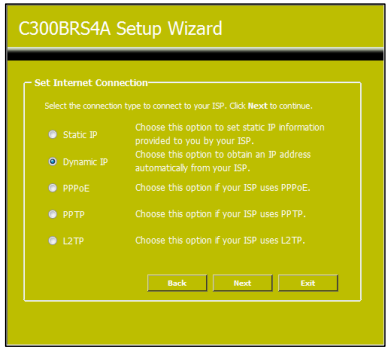
When completed, click **"Next"**.



F. Select the Internet Connection method which corresponds with your provider settings.

If you don't know which option you need for your internet connection, please check the documentation of your provider or contact your provider helpdesk.

When completed, click **"Next"**.



Connection - Static IP

G. When your provider requires a Static IP connection, select the "**Static IP**" option.

Enter the requested information:

- *IP Address*
- *Subnet Mask*
- *ISP Gateway Address*
- *Primary DNS*
- *Secondary DNS (Optional)*

When completed, click **"Next"**.

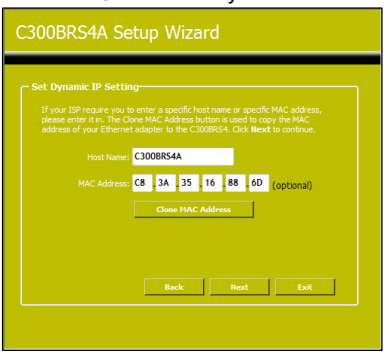
H. When your provider requires a Dynamic IP connection, select the "**Dynamic IP**" option.

Some providers require a specific Hostname for their connections. If your provider requires a specific Hostname, enter the Host Name in the field.

Some providers only allow 1 specific MAC address to connect to the internet. If your PC Network Card works with the specific required MAC address, press the "**Clone MAC Address**" button or enter the MAC Address manually.

When completed, click "**Next**".

Connection - Dynamic IP



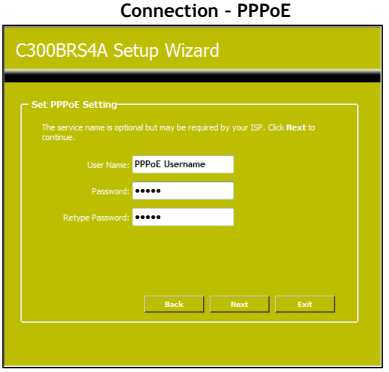
I. When your provider requires a PPPoE connection, select the "**PPPoE**" option.

Enter the requested information:

- *User Name*
- *Password*
- *Retype Password*

When completed, click "**Next**".

Connection - PPPoE



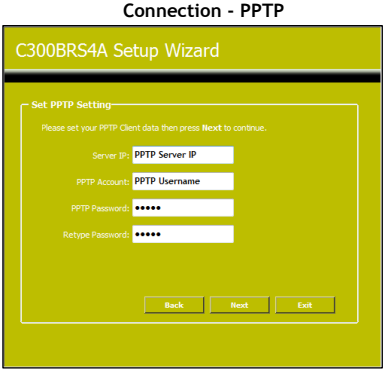
J. When your provider requires a PPTP connection, select the "**PPTP**" option.

Enter the requested information:

- *Server IP*
- *PPTP Account*
- *PPTP Password*
- *Retype Password*

When completed, click "**Next**".

Connection - PPTP



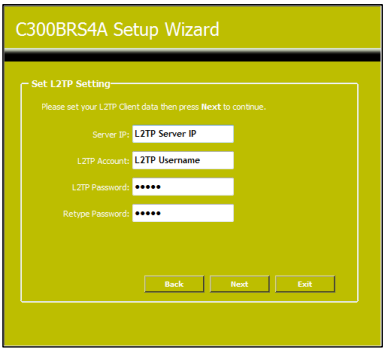
K. When your provider requires a L2TP connection, select the "**L2TP**" option.

Enter the requested information:

- *Server IP*
- *L2TP Account*
- *L2TP Password*
- *Retype Password*

When completed, click "**Next**".

Connection - L2TP

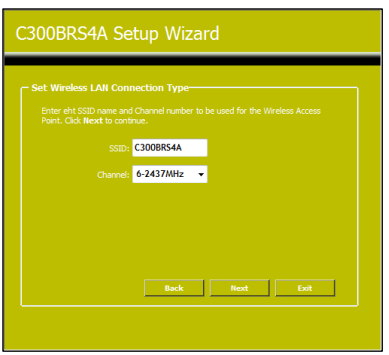


When the WAN configuration is complete, the Wizard will continue with the Wireless configuration:

L. You can change the SSID of the router. The SSID is the name which will be broadcasted through the Wireless part.

You can change the channel between channel **1** and **13**. If you experience slow connections or break-downs, there can be another accesspoint in your area which can interfere with your wireless channel. In that case, you can try another channel.

When completed, click "**Next**".



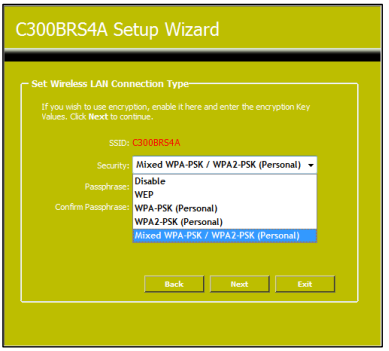
You can secure your Wireless Connection with encryption. By default, the wireless router is secured with WPA-PSK/WPA2-PSK Mixed Mode encryption. The predefined encryption key can be found on the bottom of the router.

Note: All security options of the Setup Wizard are explained, but it is advised to secure your network with "**Mixed WPA-PSK/WPA2-PSK**" security if your Clients do not support WPS. This is the highest WPA2 security level, with backwards compatibility to WPA only clients.

Note: Remember or write down the entered wireless security information. You will need it when you want to configure a Wireless Client to connect to the wireless router!

M. Select a security level for your Wireless Network.

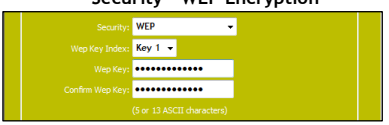
When a security level is chosen, the Wizard will show fields for the required information.



N. If you want to secure your network with WEP encryption, select "**WEP**" from the drop-down list. Enter the WEP key in ASCII format (input: A-Z, 0-9).

Note: Through the Wizard you can only configure WEP 64Bits.

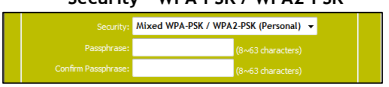
Security - WEP Encryption



O. If you want to secure your network with WPA-PSK or WPA2-PSK, select "**WPA-PSK**", "**WPA2-PSK**" or "**Mixed WPA-PSK/WPA2-PSK**" from the drop-down list.

Enter the Passphrase for your encryption and confirm the Passphrase in the second field.

Security - WPA-PSK / WPA2-PSK

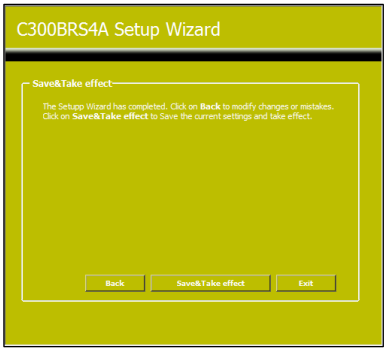


P. When all Wireless settings are made, click "**Next**" to continue.

Q. The Setup Wizard is now complete. If you want to apply your settings, click **"Save & Take Effect"**.

If you want to change any setting, click **"Back"** to return to the previous screen.

If you want to close the Setup Wizard without any changes, click **"Exit"**.



When you select **"Save & Take Effect"**, the router will apply the configured settings and reboot. Please wait for the message **"Setup Wizard configuration is complete"**.

R. Click **"OK"** to exit the Setup Wizard.

Your Wireless Router is now ready to use!

6. Connecting to the wireless network

There are two different ways of wirelessly connecting to the wireless router:

- Manually.
- Automatically using the WPS function.

! IMPORTANT NOTE !

The wireless router is secured with WPA-PSK/WPA2-PSK (mixed mode) encryption by default. The unique WPA passphrase can be found on the product sticker of your wireless router.

Almost every brand/type wireless card uses a different client application. Please refer to the manual of your wireless network card for information on how to create a connection with a wireless network.

6.1 Connecting manually in Windows 7

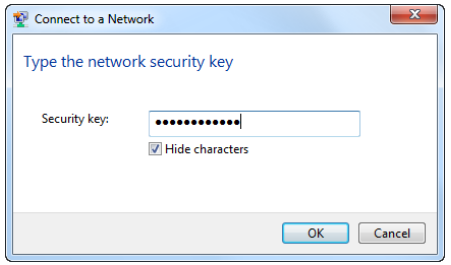
In the following example the integrated **"Connect to a Network"** option from Windows 7 is used.

A Click on the **'Network'** icon in the taskbar to view the list of available wireless network connections.

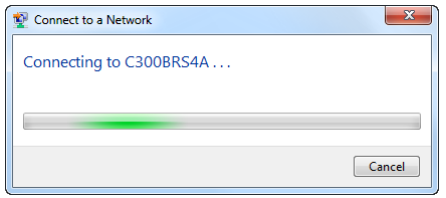
B Select the network **"C300BRS4A"** from the list and click on **'Connect'**.

By default the option **"Connect automatically"** is selected. This makes sure the connection is automatically started each time your computer is turned on. If you do not want this, you can unselect this option before clicking on **'Connect'**.

C Enter the default WPA passphrase (which is mentioned on the bottom of the wireless router) in the **"Security key"** field and click on '**OK**'.



D The client will now start connecting to the wireless network.

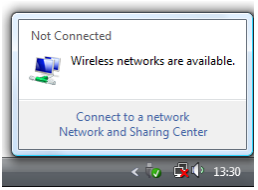


E To check the status of the wireless connection, you can click on the '**Network**' icon in the taskbar. You will see which network you are currently connected to, the access you have and the signal strength of the connection.

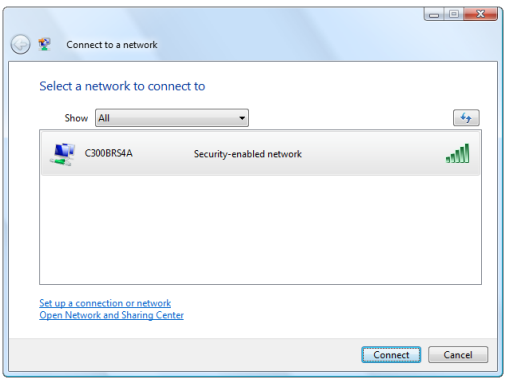
6.2 Connecting manually in Windows Vista

In the following example the integrated **"Connect to a Network"** option from Windows Vista with Service Pack 1 is used.

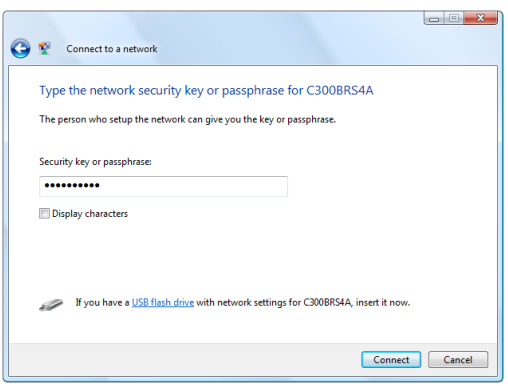
A Click on the **'Network'** icon in the system tray and click on **"Wireless networks are available"**.



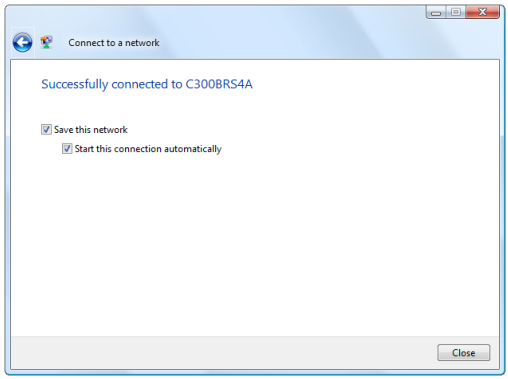
B Select the network **"C300BRS4A"** from the list and click on **'Connect'**.



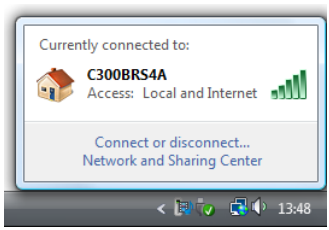
C Enter the default WPA passphrase (which is mentioned on the bottom of the C300BRS4A) in the **"Security key or passphrase"** field and click on **'Connect'**.



D When the connection has been established, you can choose to save the network and have it start automatically each time your computer is turned on. Click on '**Close**' to exit the connection wizard.



E To check the status of the wireless connection, you can click on the '**Network**' icon in the system tray. You will see which network you are currently connected to, the access you have and the signal strength of the connection.



6.3 Connecting automatically using WPS

The Conceptronic wireless router supports WPS (Wi-Fi Protected Setup). WPS is a standard for easy and secure establishment of a wireless network. With WPS you can setup and protect your wireless network in just a few easy steps.

Note: To use WPS with the wireless router, you need to have a wireless client that supports WPS. If you have one or more wireless clients without WPS support, it is advised to manually connect to the wireless router using the preconfigured WPA key as mentioned on the bottom. Refer to **chapter 6.1** or **6.2** on how to manually connect to the wireless network.

Note: For more (technical) information about WPS, refer to the following website: http://en.wikipedia.org/wiki/Wi-Fi_Protected_Setup

With the WPS Push button technology, you can connect the wireless router to a client by pressing a button on each device.

The WPS Push Button technology requires a (virtual) button on the wireless client to establish a connection between the wireless router and the wireless client.
Some wireless clients use an actual button for activating the WPS Push Button technology; other wireless clients use a virtual button in their software.

Follow the steps below to activate and establish a WPS connection with the Push Button technology:

A. Press the WPS button on the back of the wireless router, the WPS LED will start to flash indicating that WPS authentication has started.

B. Press the WPS button on the wireless client. This can be either a hardware button or a virtual button in the software of the wireless client.

Note: The wireless router will keep the WPS authentication active for 120 seconds. During this process, the WPS LED will flash. If there is no WPS connection established within 120 seconds, the LED will turn off and WPS authentication will be stopped.

If the WPS authentication is successful, the WPS LED will turn off.

The wireless client is now connected to the secured wireless network of the wireless router.
You can add more wireless clients without losing the connection to previously connected wireless clients. If you want to add more wireless clients, you will need to repeat step **A** and **B**.

7. Port forwarding

The Conceptronic wireless router is equipped with a built-in firewall to prevent attacks from the internet on your network. This firewall automatically blocks all incoming traffic on unused ports. When a blocked port is needed for a service or application (for example: a FTP or Web server) you can create a Virtual Server Rule in the configuration pages to forward the traffic.

The wireless router also supports UPnP port forwarding, allowing local UPnP applications to automatically add port mappings to the router's configuration. This means that if you are using an UPnP capable application there is no need to manually create a Virtual Server rule in the wireless router for that application.

In the situation that UPnP is not available or a Virtual Server rule needs to be added for any other reason, it is advised to configure the computer(s) and/or network device(s) with a fixed IP address instead of a dynamic IP address.

Below you will find a list of some common used ports and their corresponding application:

Port	Application	Port	Application
20	FTP data (FTP server)	**80**	HTTP (Web server)
21	FTP data (FTP server)	**110**	POP3 (Mail server – incoming)
22	SSH (Secure shell)	**2000**	Remotely Anywhere
23	Telnet	**5800**	VNC
25	SMTP (Mail server – outgoing)	**5900**	VNC

For more ports and their corresponding applications, see http://portforward.com/cports.htm.

Note: For detailed information about the port forwarding and DMZ options, refer to the extended user manual (English only) on the product CD-ROM.

The wireless router can set different kind of port forwarding rules:

- **Single Port Forwarding**

  With '**Single Port Forwarding**', you can open single ports for applications which require a single port to operate, like a web server or FTP server.

- **Port Range Forwarding**

  With '**Port Range Forwarding**', you can open a range of ports for applications which require multiple ports in a row to operate, like peer-2-peer software and some games with online multiplayer function.

To forward ports, you first need to log into the web interface of the router:

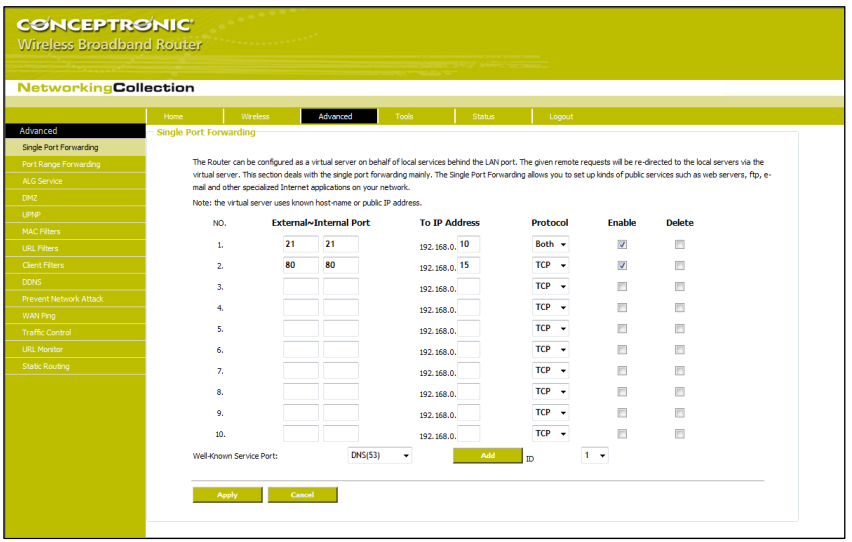
- Login to the web interface as explained in **chapter 5.1**.
- Select '**Advanced**' in the top menu bar. You will now see the advanced menu bar at the left.

ENGLISH

Single Port Forwarding

- Select '**Single Port Forwarding**' in the advanced menu bar at the left.

The '**Single Port Forwarding**' configuration will be shown on your screen:



Note: In the picture above, you will see an example of some port forwarding rules.

You can define up to 10 single port forwarding rules in the wireless router.

- Enter the information needed for the port forwarding in the following fields:
  - **External Port** : Enter the port which must be visible on the outside of your internet connection.
  - **Internal Port** : Enter the desired local port for the computer/device.
  - **IP Address** : Enter the local IP address of the computer/device.
  - **Protocol** : Select the type of type of network traffic that should be passed through.
  - **Enable** : Enable or disable the configured rule.
  - **Delete** : Delete the configured rule.

Note: If you do not know which protocol ('**Type**') you need to select for your virtual server rule, select '**Both**'. This option will pass both TCP and UDP traffic through to the configured IP address.

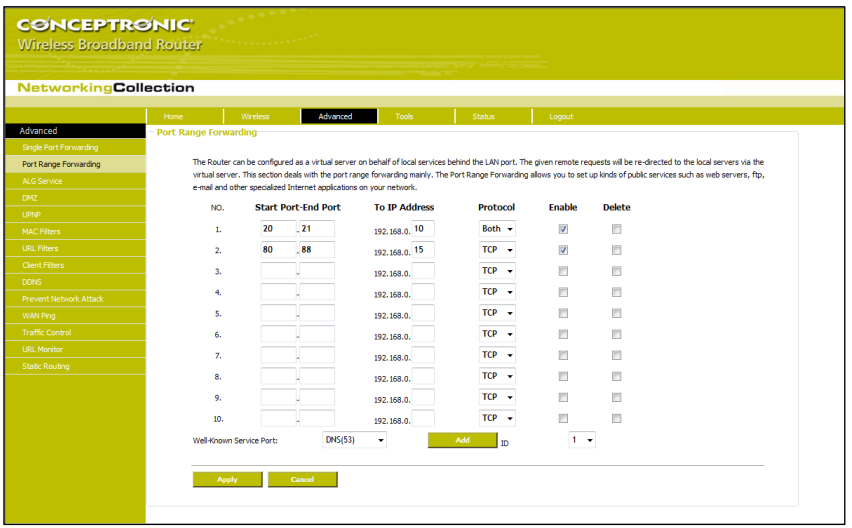
When you have configured the rules, click "**Apply**" to save the port forwarding configuration.

Note: To make sure the configured rules will work correctly, it is recommended to reboot your router after you have configured your port forwarding rules.

Port Range Forwarding

- Select **'Port Range Forwarding'** in the advanced menu bar at the left.

The **'Port Range Forwarding'** configuration will be shown on your screen:



Note: In the picture above, you will see an example of some port forwarding rules.

You can define up to 10 port range forwarding rules in the wireless router.

- Enter the information needed for the port forwarding in the following fields:
  - **Start Port** : Enter the first port of the range which must be forwarded to your computer.
  - **End Port** : Enter the last port of the range which must be forwarded to your computer.
  - **IP Address** : Enter the local IP address of the computer/device.
  - **Protocol** : Select the type of type of network traffic that should be passed through.
  - **Enable** : Enable or disable the configured rule.
  - **Delete** : Delete the configured rule.

Note: If you do not know which protocol (**'Type'**) you need to select for your virtual server rule, select **'Both'**. This option will pass both TCP and UDP traffic through to the configured IP address.

When you have configured the rules, click **"Apply"** to save the port forwarding configuration.

Note: To make sure the configured rules will work correctly, it is recommended to reboot your router after you have configured your port forwarding rules.

After the router has been restarted, all settings are taken into affect and the virtual server rules will be applied.

The defined port forwarding rules are ready to use.

Note: For a more detailed explanation of the features and settings available for the C300BRS4A, please refer to the extended user manual (English only) on the product CD-ROM.

C300BRS4A versión 2.0 de Conceptronic

Manual de usuario

Felicidades por la compra de su Router inalámbrico de Conceptronic

Este manual de usuario le ofrece una descripción paso a paso acerca de cómo instalar y utilizar el Router inalámbrico de Conceptronic.

Si necesita más información o soporte técnico acerca de su producto, le recomendamos que visite nuestra página web de **Servicio y Soporte** (**www.conceptronic.net/support**) y seleccione una de las siguientes opciones:

- **FAQ** : Base de datos con las preguntas más frecuentes (FAQ)
- **Descargas** : Manuales, drivers, firmware y otras descargas
- **Contactar** : Contactar con el servicio técnico de Conceptronic

Para información general sobre los productos de Conceptronic, visite la página web de Conceptronic: **www.conceptronic.net**.

La información de este manual está basada en Windows 7 y Vista, y las indicaciones podrían no coincidir exactamente con su caso si utiliza un sistema operativo diferente.

Nota: Este manual de usuario describe únicamente los pasos básicos para el funcionamiento del Router inalámbrico. Para más información acerca de las diferentes funciones del producto, consulte el Manual de Usuario (sólo en inglés) que encontrará en el CD-ROM del producto.

Contenidos

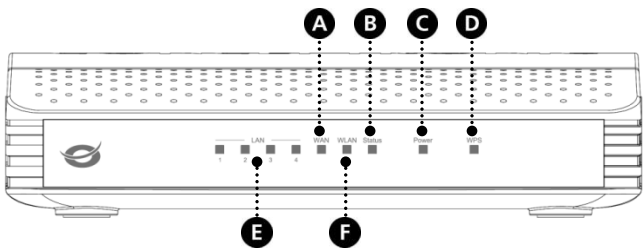
1. Contenido del paquete

El paquete del Router inalámbrico de Conceptronic incluye los siguientes componentes:

- Router inalámbrico de Conceptronic (C300BRS4A v2.0)
- 2 antenas para el Router inalámbrico
- Fuente de alimentación 9V DC, 1A
- Cable de red (LAN)
- CD-ROM del producto
- Esta guía de instalación rápida multilingüe
- Tarjeta de garantía y folleto de declaración de conformidad de la CE

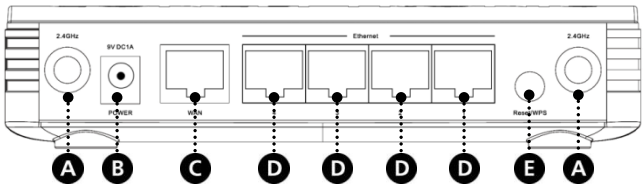
2. Descripción del router inalámbrico

2.1 Panel frontal



N.º	Descripción	Estado	Descripción del estado
A	LED WAN	**OFF** **ON - FIJO** **ON - PARPADEO**	El puerto WAN no está conectado El puerto WAN está conectado Actividad del puerto WAN (enviando o recibiendo datos)
B	LED de estado	**OFF** **ON - PARPADEO**	El dispositivo está apagado El dispositivo está encendido y listo para su uso
C	LED de encendido	**OFF** **ON**	El dispositivo está apagado El dispositivo está encendido
D	LED WPS	**OFF** **ON - PARPADEO**	La función WPS inalámbrica está apagada La función WPS inalámbrica está aceptando conexiones WPS
E	LEDs LAN (1, 2, 3, 4)	**OFF** **ON - FIJO** **ON - PARPADEO**	El puerto LAN no está conectado El puerto LAN está conectado Actividad del puerto LAN (enviando o recibiendo datos)
F	LED WLAN	**OFF** **ON - PARPADEO**	La red inalámbrica está apagada Actividad de la red inalámbrica (enviando o recibiendo datos)

2.2 Panel posterior



N.º	Descripción	Explicación
A	Antenas inalámbricas (2)	Dos antenas fijas para envío de datos de forma inalámbrica
B.	Conexión de alimentación	Para enchufar el router a la fuente de alimentación
C.	Puerto WAN	Para conectar el router a la conexión de banda ancha
D.	Puertos LAN (1-4)	Para conectar el o los ordenadores o dispositivos de red al router
E.	Botón reset/WPS	Activar la función WPS (pulsación breve) o realizar un reset (mantener pulsado)

3. Conexión de los cables

Conecte la fuente de alimentación al conector de la parte trasera del Router inalámbrico y a un enchufe de pared disponible. A continuación, se encenderá el LED de encendido de la parte frontal del dispositivo.

3.1 Puerto WAN

Utilice un cable de red (LAN) para conectar el Router inalámbrico a su módem de banda ancha.
A continuación, se encenderá el LED WAN de la parte frontal del dispositivo.

Nota: Si el LED WAN de la parte frontal no se enciende, asegúrese de que:
- El Router inalámbrico está enchufado (el LED de encendido debería estar encendido).
- El módem de banda ancha está encendido.
- El cable de red (LAN) entre ambos dispositivos está conectado correctamente.

3.2 Puertos LAN

Conecte el cable de red (LAN) a uno de los cuatro puertos LAN del panel posterior del Router inalámbrico y a la tarjeta de red de su ordenador.
El LED LAN del puerto LAN utilizado se encenderá, lo cual indica que el ordenador está conectado (su ordenador tiene que estar encendido y la conexión LAN habilitada).

4. Configuración del ordenador

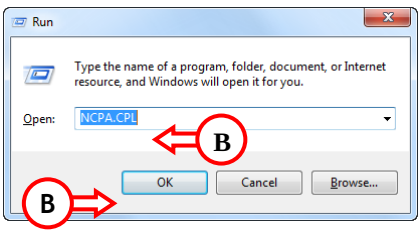
4.1 Configurar la dirección IP

El Router inalámbrico está equipado con un servidor DHCP incorporado, que asignará automáticamente una dirección IP a cada ordenador conectado que esté configurado para obtener una dirección IP de forma automática.

La mayoría de los ordenadores están configurados de forma predeterminada para que obtengan la dirección IP automáticamente. Si éste no fuera su caso, necesitará configurar su ordenador para que obtenga la dirección IP automáticamente; para ello, siga las instrucciones siguientes.

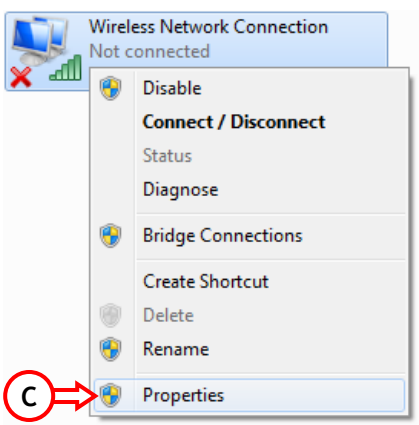
A. Haga clic en **"Inicio"**, **"Todos los programas"**, **"Accesorios"** y haga clic en **"Ejecutar"**.

B. Introduzca el comando **"NCPA.CPL"** y pulse **"Aceptar"**.



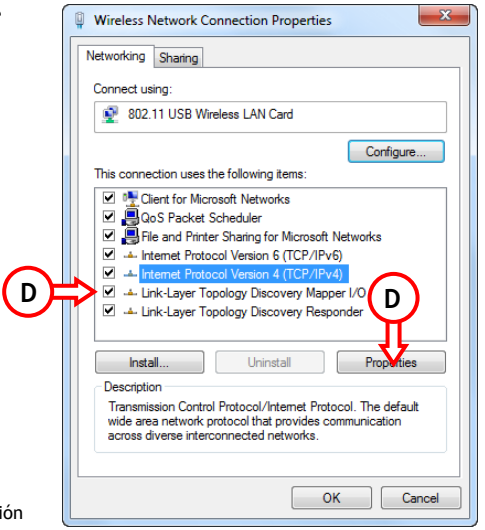
Aparecerá la ventana de conexiones de red.

C. Haga clic con el botón derecho del ratón en **"Conexión de área local"** o en **"Conexión de red inalámbrica"** (dependiendo del tipo de conexión que utilice) y seleccione **"Propiedades"**.



Aparecerá la ventana de propiedades de la conexión de área local o de la conexión de red inalámbrica.

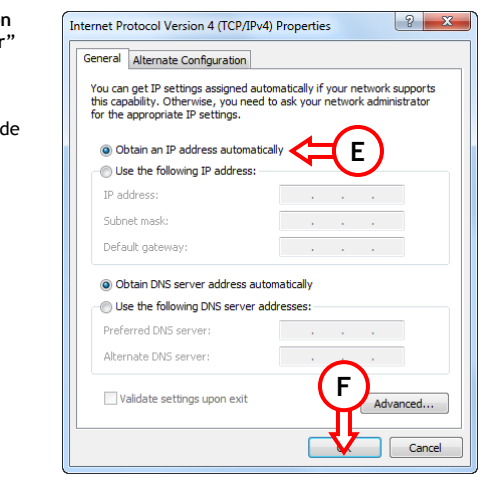
D. Seleccione la **"Versión 4 del protocolo de Internet (TCP/IPv4)"** y haga clic en **"Propiedades"**.



Aparecerá la ventana de Propiedades de la Versión 4 del Protocolo de Internet (TCP/IPv4).

E. Seleccione la opción **"Obtener la dirección de IP automáticamente"** y pulse **"Aceptar"** para guardar la configuración.

F. Haga clic en **"Aceptar"** en la ventana de Propiedades de la Versión 4 del Protocolo de Internet (TCP/IPv4) para guardar la configuración.



4.2 Comprobar la conexión

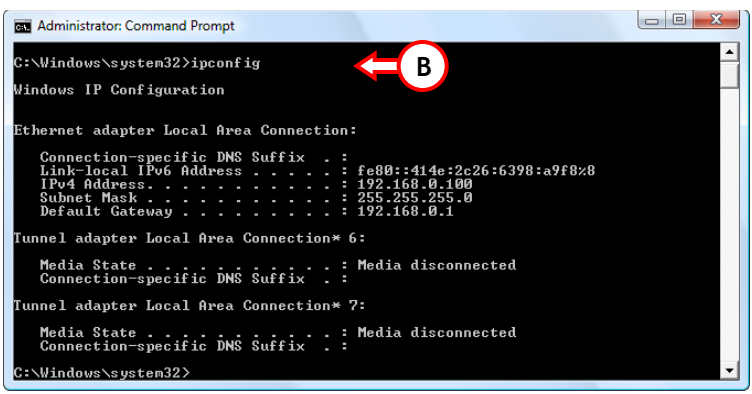
Haciendo uso de la línea de comandos de Windows puede verificar si ha recibido una dirección de IP correcta en su conexión de área local o conexión de red inalámbrica. Este ejemplo está basado en Windows 7 y Windows Vista con Service Pack 1. Con Windows 7 y Vista se necesitan derechos de administrador para poder realizar los pasos siguientes, lo cual se explica a continuación.

A. Haga clic en **"Inicio"**, **"Todos los programas"** y **"Accesorios"**. Haga clic con el botón derecho del ratón en **"Línea de comandos"** y seleccione **"Utilizar como administrador"**.

Puede que aparezca un mensaje de aviso, en el que deberá hacer clic en **"Continuar"** o en **"Sí"**.

A continuación aparecerá la ventana de la línea de comandos. Asegúrese de que en la barra de título ponga **"Administrador: línea de comandos"**. Si no se menciona **"Administrador"**, significa que no tiene los derechos de administrador y no podrá seguir con los pasos siguientes, y deberá realizar el paso A de nuevo.

B. Introduzca el comando **"IPCONFIG"** y pulse la tecla **"ENTER"** del teclado.



Debería ver la información siguiente:

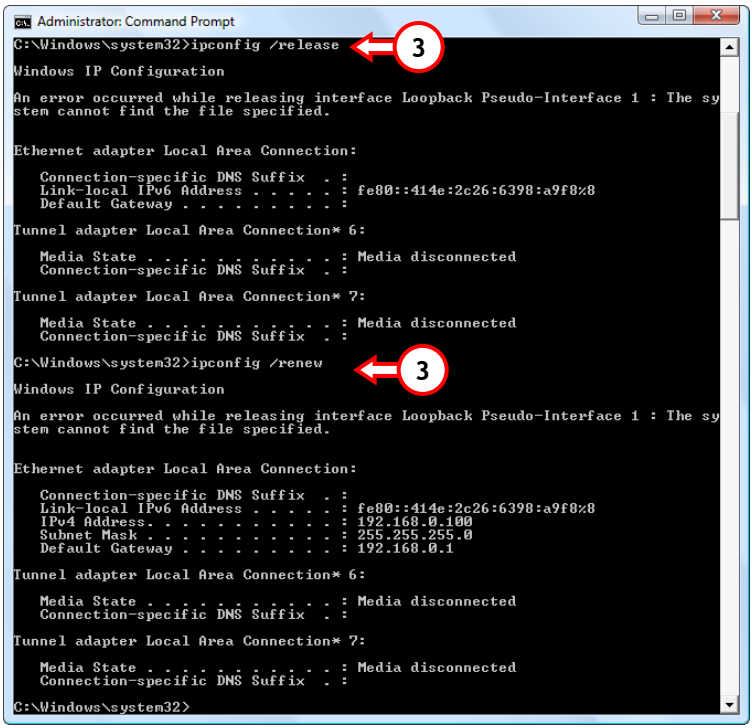
Dirección IPv4	: **192.168.0.xxx** (donde **xxx** puede ser un número **entre 100 y 199**).
Máscara de subred	: **255.255.255.0**
Puerta de enlace predeterminada	: **192.168.0.1**

Si la información mostrada arriba concuerda con su configuración, puede continuar con la configuración del router en el **apartado 5**.

Si la información mostrada arriba no concuerda con su configuración (por ejemplo, si su dirección IP es 169.254.xxx.xxx), deberá realizar los pasos siguientes:

1. Desconecte y vuelva a conectar la alimentación eléctrica del router.
2. Desconecte el cable de red del dispositivo y del ordenador y vuelva a conectarlo.

3. Renueve la dirección IP de su ordenador con los comandos siguientes:
- **"IPCONFIG /RELEASE"** : para prescindir de la dirección IP incorrecta.
- **"IPCONFIG /RENEW"** : para volver a obtener una dirección IP.



Si los pasos indicados arriba no solucionan el problema con la dirección IP, puede hacer un *reset* para que el dispositivo vuelva a la configuración predeterminada pulsando el botón "Reset"/WPS de la parte posterior del dispositivo.
Pulse y mantenga pulsado el botón Reset/WPS (unos 15 segundos) hasta que el LED de estado se apague. Esto hará que se reinicie el router y se cargue su configuración predeterminada. Cuando el LED de encendido esté encendido de nuevo de forma fija, repita el paso B para renovar la dirección IP.

Nota: Si el problema persiste, compruebe que todos los cables estén conectados correctamente. El puerto WAN debe estar conectado al módem y al puerto LAN del ordenador. Si se conectan incorrectamente, puede provocar que se obtenga una dirección IP incorrecta.

5. Configurar el Router inalámbrico

Este apartado describe cómo configurar el Router inalámbrico mediante el asistente de configuración incorporado. Cuando haya completado los pasos de este apartado, su router estará listo para sus funciones básicas.

5.1 Iniciar sesión

Para configurar el Router inalámbrico se utiliza una interfaz basada en web. Esto significa que podrá configurar el Router inalámbrico en cualquier ordenador con un navegador web que esté conectado al dispositivo.

Nota: Se recomienda encarecidamente no utilizar una conexión inalámbrica para configurar el Router inalámbrico, ya que se podría perder la conexión mientras se estuvieran ajustando los parámetros. Por tanto, se recomienda utilizar un ordenador que esté conectado al Router inalámbrico mediante un cable de red.

Para iniciar sesión en el Router inalámbrico, siga los pasos siguientes:

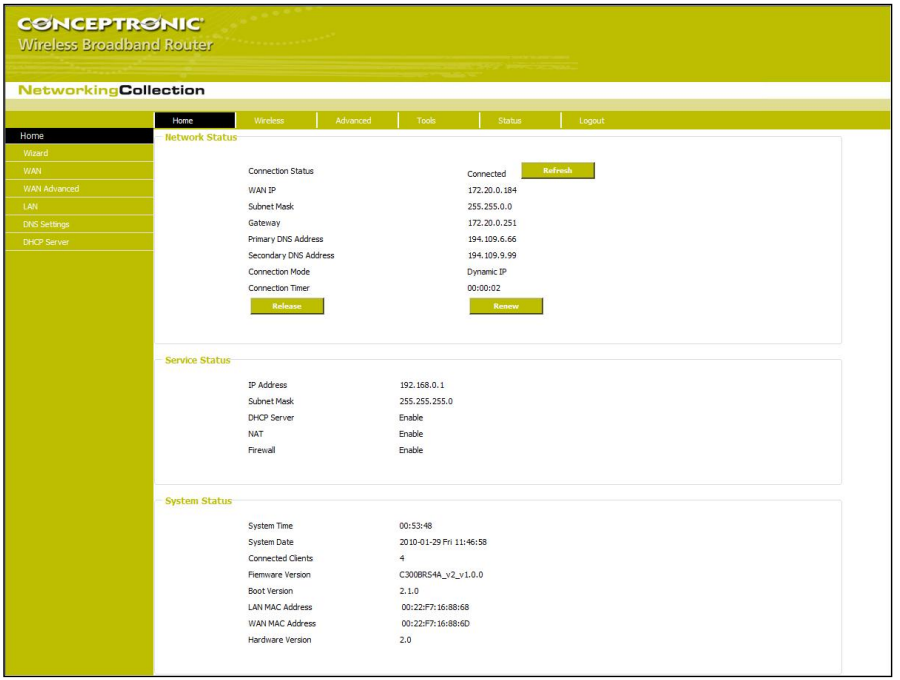
A. Inicie su navegador de Internet (como Internet Explorer, Firefox, Safari o Chrome).

B. Introduzca la dirección IP del router en la barra de direcciones de su navegador de Internet.
Dirección predeterminada: **: http://192.168.0.1/**

A continuación aparecerá una ventana de inicio de sesión que le pedirá que introduzca el nombre de usuario y la contraseña.

C. Introduzca el nombre de usuario y la contraseña y haga clic en **"Aceptar"** para acceder a la página de configuración vía web.
Nombre de usuario predeterminado : **admin**
Contraseña predeterminada : **admin**

Si el nombre de usuario y la contraseña introducidos son correctos, el Router inalámbrico mostrará la página principal y el estado del dispositivo:



En la página principal podrá ver el estado de la conexión de Internet, el estado del sistema, la versión del firmware y los servicios activados.

Nota: La configuración predeterminada del Router inalámbrico se ha realizado de tal forma que el dispositivo funcione con direcciones IP dinámicas proporcionadas por su proveedor de Internet. Esta configuración es muy habitual, ya que permite en la mayoría de casos que el Router inalámbrico esté listo para su uso.

El Router inalámbrico también cuenta con cifrado de forma predeterminada, lo cual evita que usuarios no autorizados empleen su red inalámbrica. En la parte inferior del Router inalámbrico encontrará la clave de cifrado predeterminada.

5.2 Asistente de configuración

Puede configurar el Router inalámbrico utilizando el asistente incorporado, que le ayudará a configurar paso a paso los parámetros básicos del Router inalámbrico.

Nota: Antes de iniciar el asistente de configuración rápida, asegúrese de que tiene a mano toda la información acerca de su conexión a Internet. Por ejemplo: tipo de conexión, información de su cuenta, etc.

Nota: En este apartado debe tenerse en cuenta lo siguiente: si no sabe qué opción escoger o no dispone de la información necesaria, deberá consultar la documentación de su conexión a Internet o ponerse en contacto con su proveedor de Internet.

A. Haga clic en **"Asistente de configuración"** situado en el menú de la izquierda de la página principal.

B. Haga clic en **"Siguiente"** para iniciar el asistente de configuración. A continuación aparecerá en pantalla el asistente:

C. La pantalla de bienvenida muestra los cinco pasos del asistente. Haga clic en **"Siguiente"** para continuar.

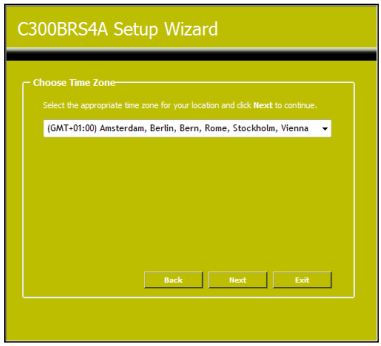
D. El asistente le recomienda que establezca una contraseña de administrador. Introduzca la nueva contraseña y vuélvala a introducir como confirmación.

Al finalizar, haga clic en **"Siguiente"**.

E. A efectos de gestión del sistema, es muy importante que la configuración horaria sea la correcta para que las entradas en el registro del sistema sean también correctas.

Indique aquí su zona horaria.

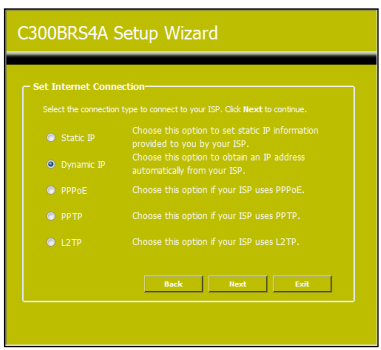
Al finalizar, haga clic en **"Siguiente"**.



F. Seleccione el tipo de conexión a Internet que le proporciona su proveedor.

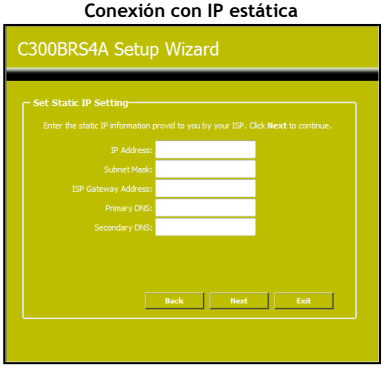
Si no sabe qué opción corresponde a su conexión a Internet, consulte la documentación de su proveedor o contacte con su servicio de atención al cliente.

Al finalizar, haga clic en **"Siguiente"**.



G. Si su proveedor requiere una conexión con IP estática, seleccione la opción **"IP estática"**.

Conexión con IP estática



Introduzca la información requerida:

- *Dirección IP*
- *Máscara de subred*
- *Dirección de la puerta de entrada de su proveedor*
- *DNS primario*
- *DNS secundario (opcional)*

Al finalizar, haga clic en **"Siguiente"**.

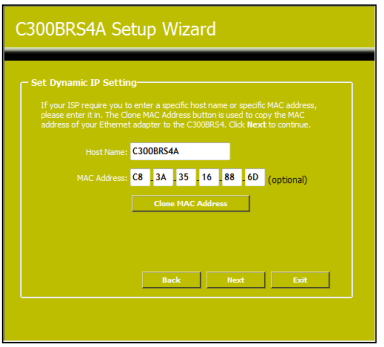
H. Si su proveedor requiere una conexión con IP dinámica, seleccione la opción **"IP dinámica"**.

Algunos proveedores requieren un nombre de host específico para sus conexiones. Si su proveedor requiere un nombre de host específico, introduzca dicho nombre en el campo "Nombre de host".

Algunos proveedores sólo permiten una dirección MAC específica para la conexión a Internet. Si la tarjeta de red de su ordenador funciona con la dirección MAC específica requerida, pulse el botón **"Clonar dirección MAC"** o introduzca manualmente la dirección MAC.

Al finalizar, haga clic en **"Siguiente"**.

Conexión con IP dinámica



I. Si su proveedor requiere una conexión PPPoE, seleccione la opción **"PPPoE"**.

Introduzca la información requerida:

- *Nombre de usuario*
- *Contraseña*
- *Vuelva a introducir la contraseña*

Al finalizar, haga clic en **"Siguiente"**.

Conexión con PPPoE

J. Si su proveedor requiere una conexión PPTP, seleccione la opción **"PPTP"**.

Introduzca la información requerida:

- *IP del servidor*
- *Cuenta PPTP*
- *Contraseña PPTP*
- *Vuelva a introducir la contraseña*

Al finalizar, haga clic en **"Siguiente"**.

Conexión con PPTP

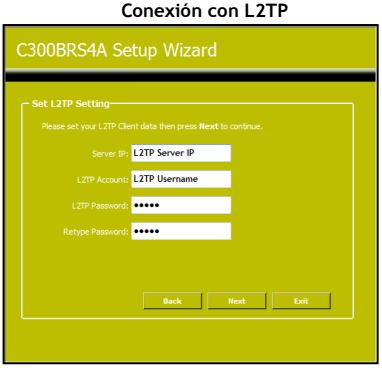
K. Si su proveedor requiere una conexión L2TP, seleccione la opción **"L2TP"**.

Introduzca la información requerida:

- *IP del servidor*
- *Cuenta L2TP*
- *Contraseña L2TP*
- *Vuelva a introducir la contraseña*

Al finalizar, haga clic en **"Siguiente"**.

Conexión con L2TP

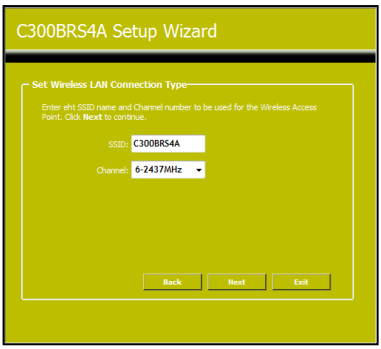


Una vez finalizada la configuración de la WAN, el asistente procederá a la configuración inalámbrica:

L. Puede cambiar el SSID del router. El SSID es el nombre que se publicará en la parte inalámbrica.

Puede cambiar de canal y seleccionar un canal del **1** al **13**. Si obtiene conexiones lentas o sufre interrupciones, puede que otro punto de acceso de su zona esté provocando interferencias en su canal inalámbrico. En ese caso, puede probar con otro canal.

Al finalizar, haga clic en **"Siguiente"**.



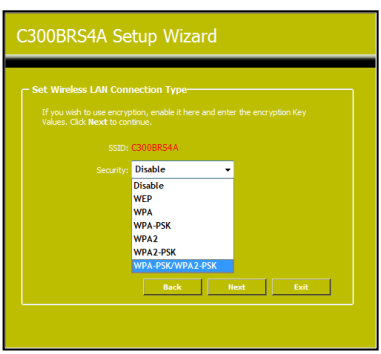
Puede proteger su conexión inalámbrica mediante un sistema de cifrado. De forma predeterminada, el Router inalámbrico está protegido con un cifrado WPA-PSK/WPA2-PSK (modo mixto). La clave del cifrado predeterminado se indica en la parte inferior del Router.

Nota: Todas las opciones de seguridad del asistente de configuración están explicadas, pero es recomendable proteger su red con seguridad **"WPA-PSK/WPA2-PSK"** si sus clientes no son compatibles con la función WPS. Se trata del nivel más alto de seguridad WPA2, con retrocompatibilidad únicamente con clientes WPA.

Nota: Recuerde o anote la información de seguridad inalámbrica introducida. La necesitará cuando quiera configurar un cliente inalámbrico para conectar con el Router inalámbrico.

M. Seleccione un nivel de seguridad para su red inalámbrica.

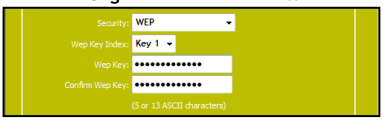
Cuando haya escogido un nivel, el asistente mostrará los campos para introducir la información requerida.



N. Si desea proteger su red con un cifrado WEP, seleccione **"WEP"** en la lista desplegable. Introduzca la clave WEP en formato ASCII (caracteres válidos: A-Z, 0-9).

Nota: Con el asistente sólo se puede configurar un cifrado WEP de 16 bits.

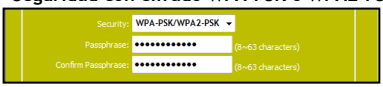
Seguridad con cifrado WEP



O. Si desea proteger su red con un cifrado WPA-PSK o WPA2-PSK, seleccione **"WPA-PSK", "WPA2-PSK"** o **"WPA-PSK/WPA2-PSK"** en la lista desplegable.

Introduzca la frase secreta para su cifrado y confírmela en el segundo campo.

Seguridad con cifrado WPA-PSK o WPA2-PSK



P. Una vez realizada la configuración inalámbrica, haga clic en "**Siguiente**" para continuar.

Q. Ha finalizado la configuración con el asistente. Si quiere aplicar su configuración, haga clic en **"Guardar y aplicar"**.

Si desea modificar algún parámetro, haga clic en **"Atrás"** para volver a la pantalla anterior.

Si quiere cerrar el asistente sin guardar los cambios, haga clic en **"Salir"**.

Al seleccionar **"Guardar y aplicar"**, el Router aplicará la configuración establecida y el sistema se reiniciará. Espere a que aparezca el mensaje **"La configuración con el asistente ha finalizado"**.

R. Haga clic en **"Aceptar"** para salir del asistente.

¡Su Router inalámbrico ya está listo para su uso!

6. Conexión a la red inalámbrica

Hay dos maneras diferentes de conectarse sin cables al Router inalámbrico:

- Manualmente.
- Automáticamente utilizando la función WPS.

NOTA IMPORTANTE

El Router inalámbrico está protegido con un cifrado WPA-PSK/WPA2-PSK (modo mixto) de forma predeterminada. La frase secreta WPA (única) puede encontrarse en la etiqueta situada en la base del producto.

Casi todas las marcas o tipos de tarjetas inalámbricas utilizan aplicaciones de cliente distintas. Consulte la información del manual de su tarjeta de red inalámbrica acerca de cómo crear una conexión con una red inalámbrica.

6.1 Conexión manual con Windows 7

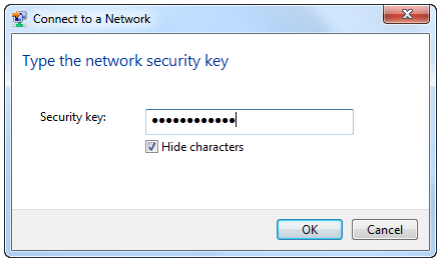
En el siguiente ejemplo se utiliza la opción integrada **"Conectarse a una red"** de Windows 7.

A Haga clic en el icono **"Red"** de la barra de tareas para ver la lista de conexiones a redes inalámbricas disponibles.

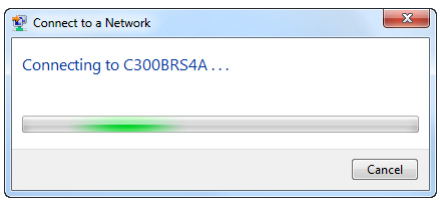
B. Seleccione la red **"C300BRS4A"** de la lista y haga clic en **"Conectar"**.

De forma predeterminada estará seleccionada la opción "**Conectarse automáticamente**". Esto hace que la conexión se realice automáticamente cada vez que encienda el ordenador. Si no desea que esto ocurra, desactive esta opción antes de hacer clic en **"Conectar"**.

C. Introduzca la frase secreta WPA predeterminada (que encontrará en la parte inferior del Router inalámbrico) en el campo **"Clave de seguridad"** y haga clic en **"Conectar"**.



D. El cliente iniciará ahora su conexión a la red inalámbrica.

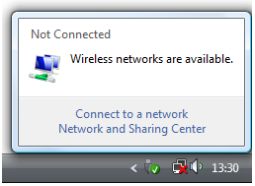


E. Para comprobar el estado de la conexión inalámbrica, puede hacer clic en el icono **"Red"** de la barra de tareas. Podrá ver a qué red está conectado actualmente, el tipo de acceso y la potencia de la señal de conexión.

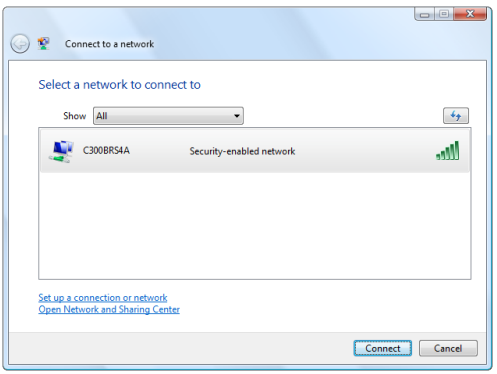
6.2 Conexión manual con Windows Vista

En el ejemplo siguiente se utiliza la opción integrada **"Conectarse a una red"** de Windows Vista con Service Pack 1.

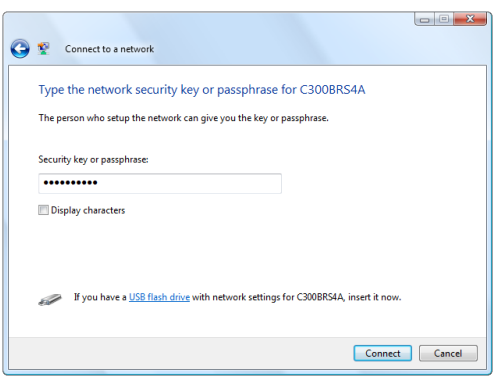
A Haga clic en el icono **"Red**" de la bandeja del sistema y a continuación, en **"Hay disponibles redes inalámbricas"**.



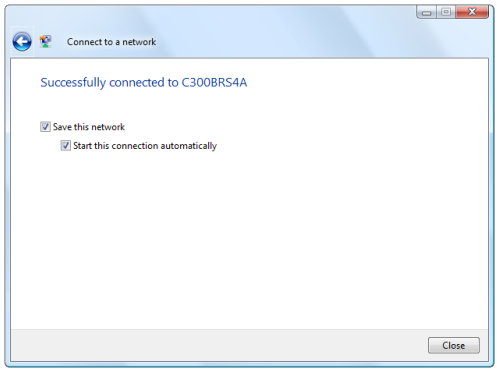
B. Seleccione la red **"C300BRS4A"** de la lista y haga clic en **"Conectar"**.



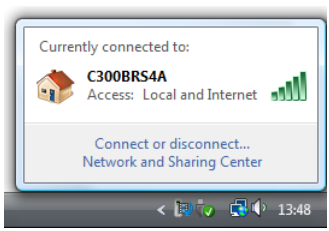
C. Introduzca la frase secreta WPA predeterminada (que encontrará en la parte inferior del C300BRS4A) en el campo **"Clave o frase de seguridad"** y haga clic en **"Conectar"**.



D. Una vez se ha establecido la conexión, puede guardar la red y hacer que se inicie automáticamente cada vez que encienda el ordenador. Haga clic en **"Cerrar"** para salir del asistente de conexión.



E. Para comprobar el estado de la conexión inalámbrica, puede hacer clic en el icono **"Red"** de la bandeja del sistema. Podrá ver a qué red está conectado actualmente, el tipo de acceso y la potencia de la señal de conexión.



6.3 Conexión automática utilizando WPS

El Router inalámbrico de Conceptronic es compatible con la función WPS (configuración Wi-Fi protegida). La función WPS es un procedimiento para establecer una red inalámbrica de forma fácil y segura. Con esta función podrá configurar y proteger su red inalámbrica siguiendo tan sólo unos pasos muy sencillos.

Nota: Para utilizar la función WPS con el Router inalámbrico, deberá tener un cliente inalámbrico compatible con dicha función. Si tiene uno o más clientes inalámbricos que no son compatibles con la función WPS, se recomienda que se conecte al Router inalámbrico manualmente utilizando la clave WPA preconfigurada que aparece en la base del dispositivo. Consulte el **apartado 6.1** o **6.2** para más información sobre cómo conectarse manualmente a la red inalámbrica.

Nota: Si desea más información (técnica) sobre la función WPS, puede visitar el sitio web siguiente: http://en.wikipedia.org/wiki/Wi-Fi_Protected_Setup

Gracias a la tecnología "Push Button" para WPS, podrá conectar el Router inalámbrico a un cliente pulsando un botón en cada dispositivo.

La tecnología "Push Button" para WPS requiere un botón (virtual) en el cliente inalámbrico para establecer una conexión entre el Router inalámbrico y el cliente inalámbrico.
Algunos clientes inalámbricos utilizan un botón real para activar la tecnología "Push Button" para WPS, mientras que otros emplean un botón virtual basado en software.

Siga los pasos siguientes para activar y establecer una conexión WPS con la tecnología "Push Button":

A. Pulse el botón WPS en la parte posterior del Router inalámbrico; el LED WPS empezará a parpadear, lo cual indicará que se ha iniciado la autenticación WPS.

B. Pulse el botón WPS del cliente inalámbrico. Puede tratarse de un botón real o de un botón virtual en el software del cliente inalámbrico.

Nota: El Router inalámbrico mantendrá activa la autenticación WPS durante 120 segundos. Durante este proceso, el LED WPS parpadeará. Si no hay conexión WPS durante estos 120 segundos, el LED se apagará y la autenticación WPS se detendrá.

Si la autenticación WPS se realiza correctamente, el LED WPS se apagará.

El cliente inalámbrico se encuentra ahora conectado a la red inalámbrica protegida del Router inalámbrico.
Puede añadir más clientes inalámbricos sin perder la conexión con los clientes inalámbricos anteriores. Si desea añadir más clientes inalámbricos, deberá repetir los pasos **A** y **B**.

7. Habilitación de puertos

El Router inalámbrico de Conceptronic está equipado con un cortafuegos para impedir ataques a su red desde Internet. Este cortafuegos bloqueará automáticamente todo tráfico entrante por puertos no utilizados. Cuando un puerto bloqueado se necesita para algún servicio o aplicación (por ejemplo: un servidor FTP o un servidor web), puede crear una regla de servidor virtual en la página de configuración para redirigir el tráfico.

El Router inalámbrico también es compatible con la habilitación de puertos UPnP, lo cual permite a aplicaciones UPnP locales añadir automáticamente asignaciones de puertos a la configuración del router. Esto significa que si utiliza una aplicación compatible con UPnP, no necesitará crear manualmente ninguna regla de servidor virtual en el Router inalámbrico para esa aplicación.

En el caso de que no esté disponible el protocolo UPnP o necesite añadir una regla de servidor virtual por cualquier otro motivo, se recomienda configurar el ordenador y/o el dispositivo de red para que funcionen con una dirección IP estática en vez de con una dirección dinámica.

A continuación encontrará una lista de los puertos más utilizados y sus correspondientes aplicaciones:

Puerto	Aplicación	Puerto	Aplicación
20	Datos FTP (servidor FTP)	**80**	HTTP (servidor web)
21	Datos FTP (servidor FTP)	**110**	POP3 (servidor de correo entrante)
22	SSH (Secure Shell)	**2000**	Remotely Anywhere
23	Telnet	**5800**	VNC
25	SMTP (Servidor de correo saliente)	**5900**	VNC

Para más información sobre otros puertos y sus correspondientes aplicaciones, visite la página http://portforward.com/cports.htm.

Nota: Para información más detallada acerca de la habilitación de puertos y las opciones de DMZ, consulte el Manual de Usuario (sólo en inglés) que encontrará en el CR-ROM del producto.

El Router inalámbrico puede establecer diferentes tipos de reglas de habilitación de puertos:

- **Habilitación de Puerto Único**

  Con la opción **"Habilitación de Puerto Único"**, puede abrir puertos individualmente para aplicaciones que requieren un único puerto para funcionar, como un servidor web o un servidor FTP.

- **Habilitación de Múltiples Puertos**

  Con la opción **"Habilitación de Múltiples Puertos"**, puede abrir diversos puertos para aplicaciones que requieren varios puertos consecutivos para funcionar, como los softwares P2P y algunos juegos en línea con función de multijugador.

Para habilitar puertos, en primer lugar es necesario acceder a la interfaz web del router:

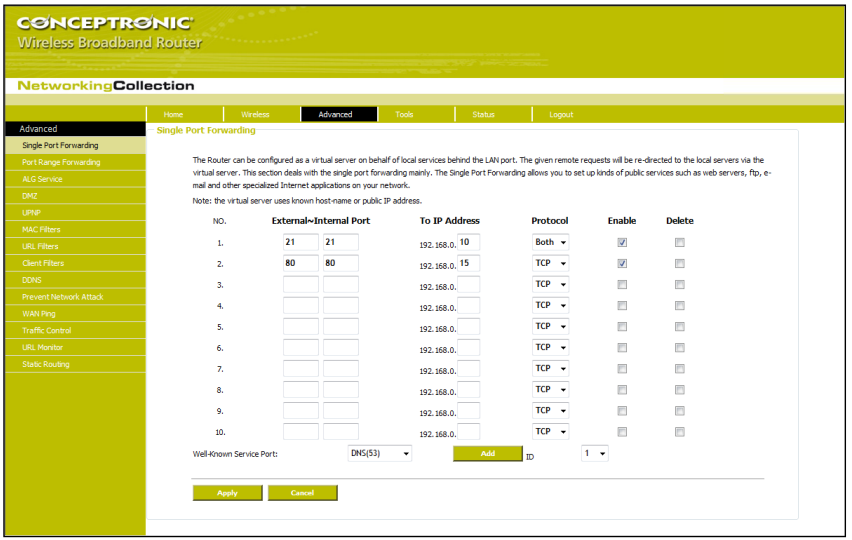
- Entre en la página de configuración vía web tal y como se describe en el **apartado 5.1.**
- Seleccione **"Opciones avanzadas"** en la barra del menú superior. A continuación verá la barra del menú de opciones avanzadas en la izquierda.

ESPAÑOL

Habilitación de Puerto Único

- Seleccione la opción **"Habilitación de Puerto Único"** en la barra del menú de opciones avanzadas en la izquierda.

En pantalla aparecerá la configuración de **"Habilitación de Puerto Único"**:



Nota: En la imagen anterior, verá un ejemplo de algunas reglas de habilitación de puertos.

Puede definir hasta 10 reglas de habilitación de puerto único en el Router inalámbrico.

- Introduzca la información necesaria para la habilitación de puertos en los siguientes campos:
  - **Puerto externo** : Introduzca el puerto que debe estar visible en el exterior de su conexión a Internet.
  - **Puerto interno** : Introduzca el puerto local deseado para el ordenador o dispositivo.
  - **Dirección IP** : Introduzca la dirección IP local del ordenador o dispositivo.
  - **Protocolo** : Seleccione el tipo de tráfico de red que hay que redireccionar.
  - **Habilitar** : Activar o desactivar la regla configurada.
  - **Eliminar** : Eliminar la regla configurada.

Nota: Si no sabe qué protocolo (**"Tipo"**) necesita para la regla de servidor virtual, seleccione **"Ambos"**. Esta opción redireccionará tanto el trafico TCP como el UDP hacia la dirección IP configurada.

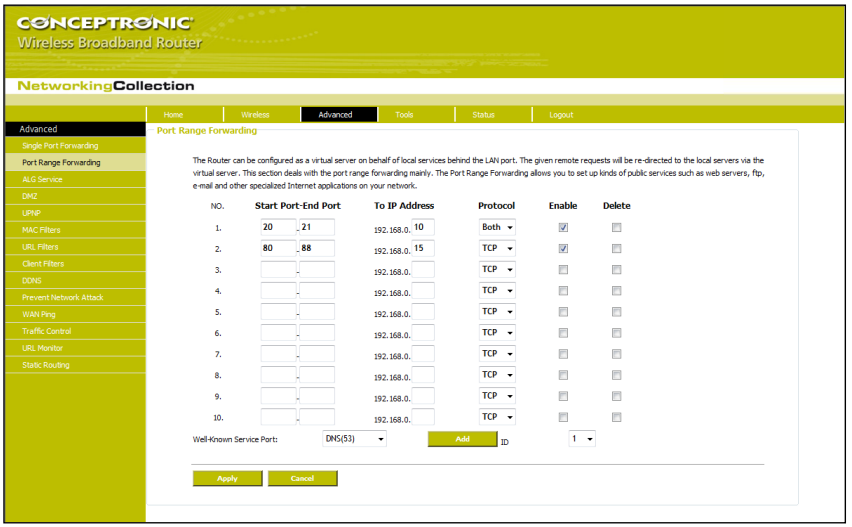
Cuando haya configurado las reglas, haga clic en **"Aplicar"** para guardar la configuración de habilitación de puertos.

Nota: Para asegurarse de que las reglas configuradas funcionan correctamente, se recomienda reiniciar el router tras haber configurado las reglas de habilitación de puertos.

Habilitación de Múltiples Puertos

- Seleccione la opción **"Habilitación de Múltiples Puertos"** en la barra del menú de opciones avanzadas en la izquierda.

En pantalla aparecerá la configuración de **"Habilitación de Múltiples Puertos"**:



Nota: En la imagen anterior, verá un ejemplo de algunas reglas de habilitación de puertos.

Puede definir hasta 10 reglas de habilitación de múltiples puertos en el Router inalámbrico.

- Introduzca la información necesaria para la habilitación de puertos en los siguientes campos:
  - **Puerto de inicio** : Introduzca el primero de los puertos que deben redireccionarse hacia su ordenador.
  - **Puerto final** : Introduzca el último de los puertos que deben redireccionarse hacia su ordenador.
  - **Dirección IP** : Introduzca la dirección IP local del ordenador o dispositivo.
  - **Protocolo** : Seleccione el tipo de tráfico de red que hay que redireccionar.
  - **Habilitar** : Activar o desactivar la regla configurada.
  - **Eliminar** : Eliminar la regla configurada.

Nota: Si no sabe qué protocolo (**"Tipo"**) necesita para la regla de servidor virtual, seleccione **"Ambos"**. Esta opción redireccionará tanto el trafico TCP como el UDP hacia la dirección IP configurada.

Cuando haya configurado las reglas, haga clic en **"Aplicar"** para guardar la configuración de habilitación de puertos.

Nota: Para asegurarse de que las reglas configuradas funcionan correctamente, se recomienda reiniciar el router tras haber configurado las reglas de habilitación de puertos.

Una vez reiniciado el router, surtirá efecto la nueva configuración y se aplicarán las reglas de servidor virtual.

Ya se pueden utilizar las reglas de servidor virtual definidas.

Nota: Para información más detallada acerca de las funciones y las configuraciones disponibles del C300BRS4A, consulte el Manual de Usuario (sólo en inglés) que encontrará en el CR-ROM del producto.

Conceptronic C300BRS4A Version 2.0

Benutzerhandbuch

Wir gratulieren Ihnen zum Kauf Ihres Wireless-Routers von Conceptronic

In dieser Bedienungsanleitung wird Ihnen Schritt für Schritt gezeigt, wie der Wireless-Router von Conceptronic installiert und verwendet wird.

Wenn Sie weitere Informationen oder Support für Ihr Produkt benötigen, besuchen Sie unsere Service & Support-Webseite **www.conceptronic.net/support** und wählen Sie eine der folgenden Optionen:

- **FAQ** : Datenbank mit den häufig gestellten Fragen
- **Downloads** : Handbücher, Treiber, Firmware und weitere Downloads
- **Kontakt** : Kontakt für den Conceptronic-Support

Allgemeine Informationen über Conceptronic-Produkte finden Sie auf der Conceptronic-Webseite unter **www.conceptronic.net**.

Die Informationen in dieser Schnellinstallationsanleitung basieren auf Windows 7 und Vista und treffen möglicherweise nicht vollständig zu, wenn Sie ein anderes Betriebssystem auf Ihrem Computer verwenden.

Hinweis: In diesem Benutzerhandbuch sind lediglich die Grundschritte für die erste Inbetriebnahme des Wireless-Routers beschrieben. Weitere Informationen über die verschiedenen Funktionen des Wireless-Routers finden Sie im erweiterten Benutzerhandbuch auf der im Lieferumfang enthaltenen CD-ROM (nur Englisch).

Inhaltsverzeichnis

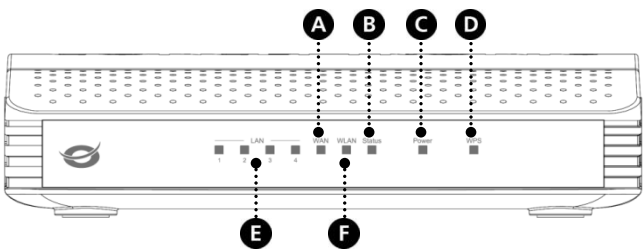
1. Packungsinhalt

In der Verpackung des Wireless-Routers von Conceptronic ist Folgendes enthalten:

- Wireless-Router von Conceptronic (C300BRS4A V2.0)
- 2x Antennen für den Wireless-Router
- Netzteil 9V Gleichstrom 1A
- Netzwerk (LAN)-Kabel
- Produkt-CD-ROM
- Diese mehrsprachige Schnellinstallationsanleitung
- Garantiekarte und Broschüre mit CE-Erklärung

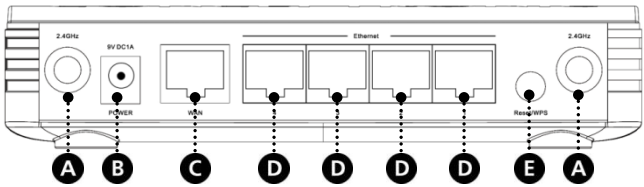
2. Erläuterungen zum Wireless-Router

2.1 Vorderseite



Nr.	Beschreibung	Status	Status-Erklärung
A	WAN LED-Anzeige	**AUS** **EIN - DAUERLICHT** **EIN - BLINKEND**	WAN-Port ist nicht angeschlossen WAN-Port ist angeschlossen WAN-Port-Aktivität (Daten werden gesendet oder empfangen)
B	Status-LED-Anzeige	**AUS** **EIN - BLINKEND**	Das Gerät ist ausgeschaltet Das Gerät ist eingeschaltet und betriebsbereit
C	Power LED-Anzeige	**AUS** **EIN**	Das Gerät ist ausgeschaltet Das Gerät ist eingeschaltet
D	WPS-LED-Anzeige	**AUS** **EIN - BLINKEND**	Die Wireless-WPS-Funktion ist ausgeschaltet Die Wireless-WPS-Funktion akzeptiert die WPS-Verbindung
E	LAN-LED-Anzeigen (1, 2, 3, 4)	**AUS** **EIN - DAUERLICHT** **EIN - BLINKEND**	LAN-Port ist nicht angeschlossen LAN-Port ist angeschlossen LAN-Port-Aktivität (Daten werden gesendet oder empfangen)
F	WLAN LED-ANZEIGE	**AUS** **EIN - BLINKEND**	Das Drahtlosnetzwerk ist ausgeschaltet Drahtlosnetzwerk-Aktivität (Daten werden gesendet oder empfangen)

2.2 Rückseite



Nr.	Beschreibung	Erklärung
A	Drahtlosantennen (2x)	Zwei feste Antennen für Drahtlosübertragung
B	Stromanschluss	Anschluss des Routers an die Stromversorgung
C	WAN-Port	Anschluss Ihrer Breitbandverbindung an den Router
D	LAN-Ports (1 – 4)	Anschluss von Computernetzwerkgeräten an den Router
E	Reset-/WPS-Taste	Aktivieren der WPS-Funktion (kurz drücken) oder Ausführen eines Resets (gedrückt halten)

3. Anschluss der Kabel

Schließen Sie das Netzteil am Stromanschluss auf der Rückseite des Wireless-Routers und an die Stromversorgung an. Daraufhin leuchtet die LED-Anzeige auf der Vorderseite des Wireless-Routers.

3.1 WAN-Port

Schließen Sie mit einem Netzwerk (LAN)-Kabel den Wireless-Router an Ihr Breitbandmodem an. Daraufhin leuchtet die WAN-LED-Anzeige auf der Vorderseite des Wireless-Routers.

Hinweis: Wenn die WAN-LED-Anzeige auf der Vorderseite nicht leuchtet, vergewissern Sie sich, dass:
- der Wireless-Router eingeschaltet ist (die Power-LED-Anzeige sollte leuchten),
- das Breitbandmodem eingeschaltet ist,
- das Netzwerk (LAN)-Kabel an beiden Geräten korrekt angeschlossen ist.

3.2 LAN-Port(s)

Schließen Sie das Netzwerk (LAN)-Kabel an einen der vier LAN-Ports auf der Rückseite des Wireless-Routers und an die Netzwerkkarte Ihres Computers an.
Die LAN-LED-Anzeige des verwendeten LAN-Ports schaltet ein und zeigt damit an, dass der Computer angeschlossen ist. (Ihr Computer muss eingeschaltet und die LAN-Verbindung muss aktiviert sein.)

4. Konfiguration des Computers

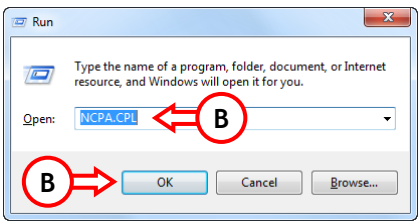
4.1 Konfiguration der IP-Adresse

Der Wireless-Router ist mit einem eingebauten DHCP-Server ausgerüstet. Der DHCP-Server weist automatisch jedem angeschlossenen Computer eine IP-Adresse zu, wenn dieser darauf eingestellt ist, die IP-Adresse automatisch zu beziehen.

Die meisten Computer sind so konfiguriert, dass sie automatisch eine IP-Adresse beziehen. Sollte dies bei Ihnen nicht der Fall sein, müssen Sie Ihren Computer so konfigurieren, dass er automatisch eine IP-Adresse bezieht. Befolgen Sie dazu untenstehende Anweisungen.

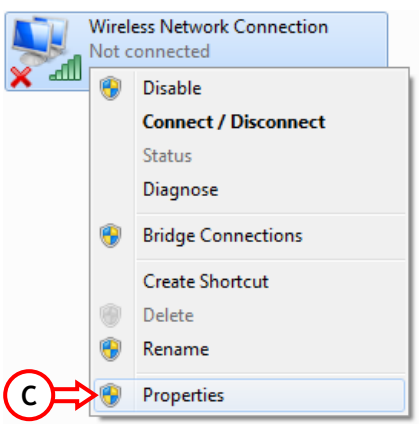
A. Klicken Sie auf **‚Start'**, **‚Alle Programme'**, **‚Zubehör'** und wählen Sie **‚Ausführen'** aus.

B. Geben Sie den Befehl **‚NCPA.CPL'** ein und klicken Sie auf **„OK"**.



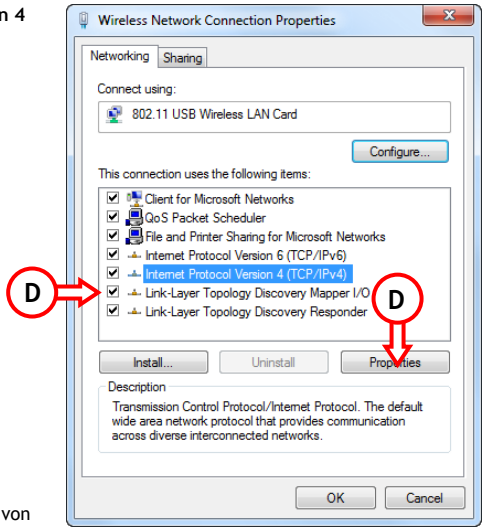
Es erscheint das Fenster **„Netzwerkverbindungen"**.

C. Rechtsklicken Sie auf Ihre **‚LAN-Verbindung'** oder auf **‚Drahtlose Netzwerkverbindung'** (je nach verwendeter Verbindung) und wählen Sie **‚Eigenschaften'** aus.



Es erscheint das Fenster mit den Eigenschaften Ihrer LAN-Verbindung bzw. drahtlosen Netzwerkverbindung.

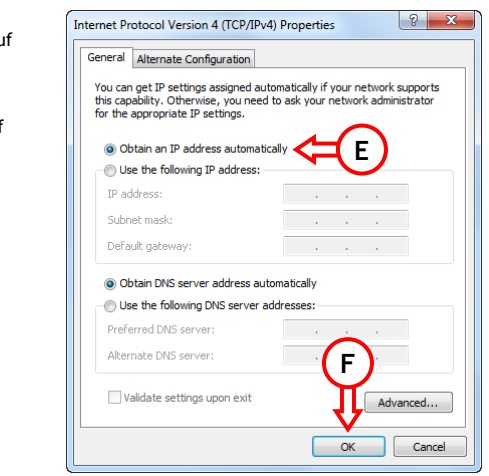
D. Wählen Sie das **‚Internetprotokoll Version 4 (TCP/IPv4)'** aus und klicken Sie auf **‚Eigenschaften'.**



Es erscheint das Fenster mit den Eigenschaften von Internetprotokoll Version 4 (TCP/IPv4).

E. Aktivieren Sie das Feld **‚IP-Adresse automatisch beziehen'** und klicken Sie auf **‚OK'**, um die Einstellungen zu speichern.

F. Klicken Sie in den Eigenschaften von Internetprotokoll Version 4 (TCP/IPv4) auf **‚OK'**, um die Einstellungen zu speichern.



4.2 Überprüfen der Verbindung

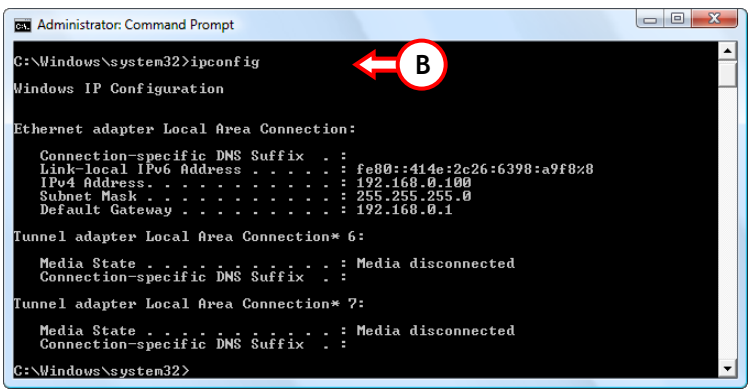
Über die ‚**Eingabeaufforderung**' von Windows können Sie überprüfen, ob Sie für Ihre LAN-Verbindung oder drahtlose Netzwerkverbindung eine korrekte IP-Adresse erhalten haben. Dieses Beispiel basiert auf Windows 7 und Vista mit Service Pack 1. Bei Windows 7 und Vista müssen Sie Administratorrechte haben, um die im Folgenden erklärten Schritte durchführen zu können.

A. Klicken Sie auf ‚**Start**', „**Alle Programme**', ‚**Zubehör**', rechtsklicken Sie auf ‚**Eingabeaufforderung**' und wählen Sie ‚**Als Administrator ausführen**' aus.

Möglicherweise wird eine Warnmeldung angezeigt. Akzeptieren Sie diese, indem Sie auf ‚**Weiter**' oder ‚**Ja**' klicken.

Es erscheint das Fenster der Eingabeaufforderung. Stellen Sie sicher, dass die Titelleiste der ‚Eingabeaufforderung' den Text „Administrator: Eingabeaufforderung" aufweist. Wenn „Administrator" nicht erwähnt ist, haben Sie die erforderlichen Administratorrechte nicht und müssen erneut den Schritt A durchführen.

B. Geben Sie den Befehl ‚**IPCONFIG**' ein und drücken Sie die ‚**ENTER**'-Taste auf Ihrer Tastatur.



Es sollten die folgenden Informationen angezeigt werden:
IPv4-Adresse : 192.168.0.xxx (wobei xxx eine Zahl zwischen 100 ~ 199 sein kann).
Subnetzmaske : 255.255.255.0
Standardgateway : 192.168.0.1

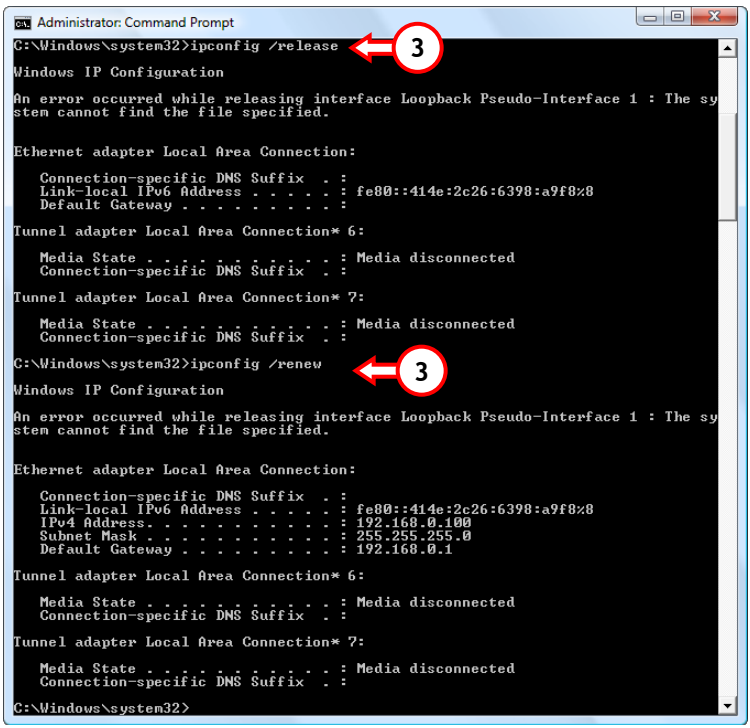
Wenn Ihre Konfiguration den obigen Angaben entspricht, können Sie weitergehen zu **Kapitel 5**, um mit der Konfiguration des Routers fortzufahren.

Wenn Ihre Konfiguration nicht den obigen Angaben entspricht (z.B. wenn Ihre IP-Adresse 169.254.xxx.xxx lautet), gehen Sie bitte folgendermaßen vor:

1. Trennen Sie die Stromversorgung des Routers und schließen Sie ihn danach wieder an die Stromversorgung an.

2. Trennen Sie das Netzwerkkabel zwischen dem Router und Ihrem Computer und schließen Sie es wieder an.

3. Erneuern Sie die IP-Adresse Ihres Computers mit den folgenden Befehlen:
   - **'IPCONFIG /RELEASE'** : Damit wird die falsche IP-Adresse gelöscht.
   - **'IPCONFIG /RENEW'** : Damit wird die IP-Adresse erneuert.



Wenn diese Maßnahmen das Problem mit der IP-Adresse nicht lösen, können Sie durch Betätigen der WPS-/Reset-Taste auf der Rückseite des Geräts das Gerät auf die Werkseinstellungen zurücksetzen. Drücken Sie die WPS-/Reset-Taste und halten Sie diese gedrückt, bis die Status-LED-Anzeige ausschaltet (ca. 15 Sekunden). Damit wird der Router neu gestartet und die Werkseinstellungen werden geladen. Sobald die Power-LED-Anzeige wieder kontinuierlich leuchtet, wiederholen Sie den Schritt B, um die IP-Adresse zu erneuern.

Hinweis: Wenn das Problem weiterhin besteht, überprüfen Sie, ob alle Kabel korrekt angeschlossen sind. Der WAN-Port sollte mit dem Modem und der LAN-Port mit dem Computer verbunden sein. Wenn diese Verbindungen falsch sind, kann dies dazu führen, dass Sie eine falsche IP-Adresse erhalten.

5. Konfiguration des Wireless-Routers

In diesem Kapitel wird die Konfiguration des Wireless-Routers mit dem integrierten Einrichtungsassistenten beschrieben. Nachdem Sie die in diesem Kapitel beschriebenen Schritte durchgeführt haben, ist Ihr Router für seine primären Funktionen eingestellt.

5.1 Anmelden

Für die Konfiguration des Wireless-Routers wird eine webbasierte Benutzeroberfläche verwendet. Das bedeutet, dass Sie den Wireless-Router auf einem beliebigen Computer mit Webbrowser, der an den Wireless-Router angeschlossen ist, konfigurieren können.

Hinweis: Wir empfehlen dringend, keine Drahtlosverbindung zu verwenden, während Sie den Wireless-Router konfigurieren, da die Verbindung während der Vornahme bestimmter Einstellungen verloren gehen könnte. Deshalb ist es von Vorteil, einen Computer zu verwenden, der mit einem Netzwerkkabel mit dem Wireless-Router verbunden ist.

Führen Sie für die Anmeldung auf dem Router die folgenden Schritte durch:

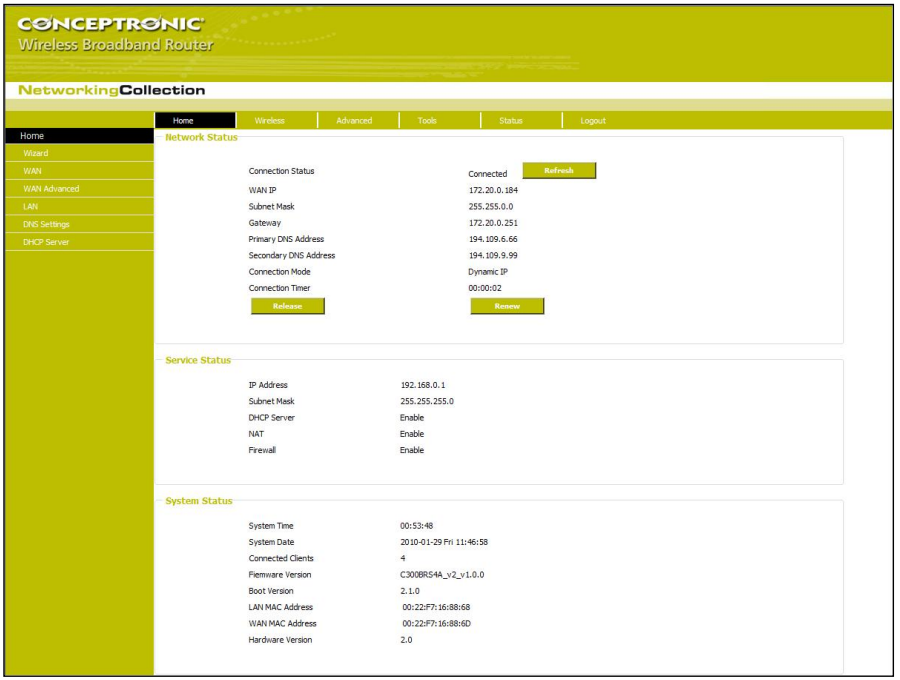
A. Starten Sie Ihren Webbrowser (z.B. Internet Explorer, FireFox, Safari oder Chrome).

B. Geben Sie die IP-Adresse des Routers in das Adressfeld Ihres Webbrowsers ein.
Standardmäßig : **http://192.168.0.1/**

Es erscheint ein Anmeldefenster, in dem Sie den Benutzernamen und das Passwort eingeben müssen.

C. Geben Sie den Benutzernamen und das Passwort ein und klicken Sie auf „**OK**“, um die webbasierte Konfiguration zu öffnen.
Standardbenutzername : **admin**
Standardpasswort : **admin**

Wenn der Benutzername und das Passwort korrekt sind, wird die Hauptseite mit dem Status des Wireless-Routers angezeigt:



Auf der Hauptseite sehen Sie den Status der Internetverbindung, den Systemstatus, die Firmwareversion und die aktivierten Dienste.

Hinweis: Standardmäßig ist der Wireless-Router für den Betrieb mit dynamischen IP-Adressen der Internetdienstanbieter konfiguriert. Dies ist eine gängige Einstellung, mit der der Wireless-Router in den meisten Fällen sofort funktioniert, ohne dass Änderungen vorgenommen werden müssen.

Der Wireless-Router ist außerdem standardmäßig verschlüsselt, um zu verhindern, dass sich unbefugte Benutzer auf Ihrem Drahtlosnetzwerk anmelden. Den vordefinierten Schlüsselwert finden Sie auf der Unterseite des Wireless-Routers.

5.2 Assistent

Sie können den Wireless-Router mit dem integrierten Assistenten einrichten. Der Assistent führt Sie Schritt für Schritt durch die Konfiguration der Grundeinstellungen des Wireless-Routers.

Hinweis: Bevor Sie den Assistenten starten, stellen Sie sicher, dass Sie alle Informationen über Ihre Internetverbindung zur Hand haben. Zum Beispiel: Verbindungsart, Kontoinformationen usw.

Hinweis: Für dieses Kapitel gilt durchwegs: Wenn Sie nicht wissen, welche Option Sie wählen sollen, oder wenn Sie die erforderlichen Informationen nicht zur Hand haben, sollten Sie diese Informationen entweder in der Dokumentation Ihrer Internetverbindung nachschlagen oder Ihren Internetdienstanbieter (im Folgenden der Anbieter genannt) kontaktieren.

A. Klicken Sie im linken Menü auf der Hauptseite auf **‚Wizard** [Assistent]'.

B. Klicken Sie auf **‚Next** [Weiter]', um den Assistenten zu starten. Daraufhin öffnet sich das Willkommensfenster des Assistenten:

C. Im Willkommensfenster werden die fünf Schritte des Assistenten angezeigt. Klicken Sie auf **„Next** [Weiter]".

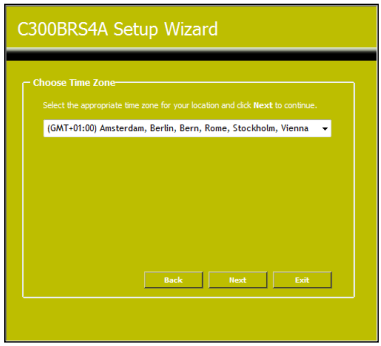
D. Wir empfehlen Ihnen, hier ein Admin-Passwort einzurichten. Geben Sie das neue Passwort ein und bestätigen Sie es im Feld **„Confirm Password** [Passwort bestätigen]".

Klicken Sie danach auf **„Next** [Weiter]".

E. Eine korrekte Zeiteinstellung ist aus Systemverwaltungsgründen unerlässlich, damit die Systemprotokolle die korrekten Zeitstempel enthalten.

Stellen Sie die korrekte Zeitzone ein.

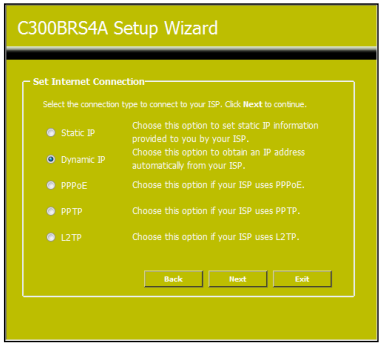
Klicken Sie danach auf „**Next** [Weiter]".



F. Wählen Sie die Methode der Internetverbindung, die den Einstellungen Ihres Anbieters entspricht.

Wenn Sie nicht wissen, welche Option Sie für Ihre Internetverbindung benötigen, sehen Sie bitte in der Dokumentation Ihres Anbieters nach oder kontaktieren Sie das Helpdesk Ihres Anbieters.

Klicken Sie danach auf „**Next** [Weiter]".



Verbindung - statische IP

G. Wenn Ihr Anbieter eine statische IP-Verbindung erfordert, wählen Sie die Option „**Static IP [Statische IP]**".

Geben Sie die erforderlichen Informationen ein:

- *IP-Adresse*
- *Subnetzmaske*
- *ISP-Gateway-Adresse*
- *Primäre DNS*
- *Sekundäre DNS (optional)*

Klicken Sie danach auf „**Next** [Weiter]".

H. Wenn Ihr Anbieter eine dynamische IP-Verbindung erfordert, wählen Sie die Option **„Dynamic IP [Dynamische IP]“**.

Bei einigen Anbietern ist ein bestimmter Hostname für die Verbindung erforderlich. Wenn bei Ihrem Anbieter ein bestimmter Hostname erforderlich ist, geben Sie diesen in das entsprechende Feld ein.

Bei einigen Anbietern darf nur eine bestimmte MAC-Adresse für die Verbindung mit dem Internet verwendet werden. Wenn Ihre PC-Netzwerkkarte mit dieser bestimmten MAC-Adresse arbeitet, klicken Sie auf die Schaltfläche **„Clone MAC Address [MAC-Adresse klonen)“** oder geben Sie die MAC-Adresse im entsprechenden Feld ein.

Klicken Sie danach auf **„Next** [Weiter]".

Verbindung – dynamische IP

I. Wenn Ihr Anbieter eine PPPoE-Verbindung erfordert, wählen Sie die Option **„PPPoE“**.

Geben Sie die erforderlichen Informationen ein:

- *Benutzername*
- *Passwort*
- *Passwort erneut eingeben*

Klicken Sie danach auf **„Next** [Weiter]".

Verbindung - PPPoE

J. Wenn Ihr Anbieter eine PPTP-Verbindung erfordert, wählen Sie die Option **„PPTP“**.

Geben Sie die erforderlichen Informationen ein:

- *Server IP*
- *PPTP Konto*
- *PPTP Passwort*
- *Passwort erneut eingeben*

Klicken Sie danach auf **„Next** [Weiter]".

Verbindung - PPTP

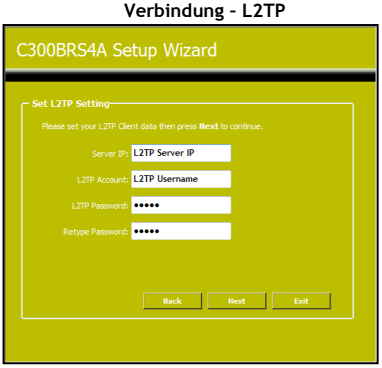
K. Wenn Ihr Anbieter eine L2TP-Verbindung erfordert, wählen Sie die Option **„L2TP“**.

Geben Sie die erforderlichen Informationen ein:

- *Server IP*
- *L2TP-Konto*
- *L2TP Passwort*
- *Passwort erneut eingeben*

Klicken Sie danach auf **„Next** [Weiter]".

Verbindung - L2TP

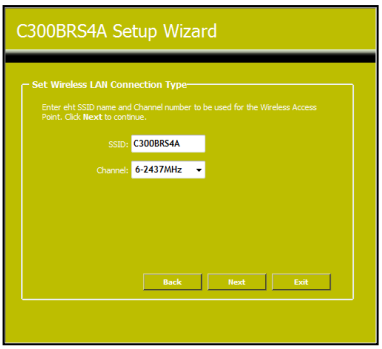


Sobald die WAN-Konfiguration abgeschlossen ist, setzt der Assistent die Wireless-Konfiguration fort.

L. Sie können die SSID des Routers ändern. Die SSID ist der Name, der über die Wireless-Verbindung ausgestrahlt wird.

Sie können den Kanal ändern (zwischen **1** und **13**). Wenn die Verbindung langsam ist oder unterbrochen wird, befindet sich möglicherweise ein anderer Access Point in Ihrem Gebiet, der Störungen in Ihrem Wireless-Kanal verursacht. Versuchen Sie es in diesem Fall mit einem anderen Kanal.

Klicken Sie danach auf „**Next** [Weiter]".



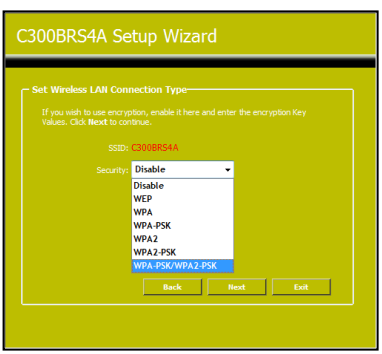
Sie können Ihre Wireless-Verbindung mit Verschlüsselung sichern. Standardmäßig ist der Wireless-Router mit WPA-PSK/WPA2-PSK im gemischten Modus verschlüsselt bzw. gesichert. Den vordefinierten Schlüsselwert finden Sie auf der Unterseite des Routers.

Hinweis: Alle Sicherheitsoptionen des Einrichtungsassistenten werden erklärt. Es ist jedoch empfehlenswert, Ihr Netzwerk mit „**WPA-PSK/WPA2-PSK**"-Sicherheit zu schützen, wenn Ihre Clients WPS nicht unterstützen. Dies ist die höchste WPA2-Sicherheitsstufe, die rückwärts kompatibel ist mit WPA only-Clients.

Hinweis: Notieren Sie sich die eingegebenen Informationen über die Wireless-Sicherheit. Sie werden diese benötigen, wenn Sie einen drahtlosen Client für die Verbindung mit dem Wireless-Router konfigurieren möchten!

M. Wählen Sie eine Sicherheitsstufe für Ihr Drahtlosnetzwerk aus.

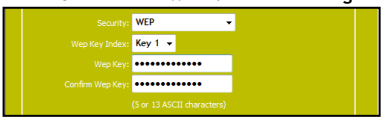
Nachdem Sie die Sicherheitsstufe ausgewählt haben, zeigt der Assistent die Felder an, in denen die entsprechenden Informationen eingegeben werden müssen.



N. Wenn Sie Ihr Netzwerk mit WEP-Verschlüsselung sichern möchten, wählen Sie **„WEP“** aus der Dropdown-Liste. Geben Sie den WEP-Schlüssel im ASCII-Format ein (Eingabe: A-Z, 0-9).

Hinweis: Mit dem Assistenten können Sie nur WEP 64Bits konfigurieren.

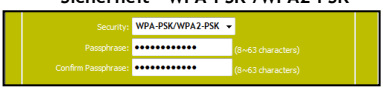
Sicherheit - WEP-Verschlüsselung



O. Wenn Sie Ihr Netzwerk mit WPA-PSK oder WPA2-PSK schützen wollen, wählen Sie **„WPA-PSK”**, **„WPA2-PSK”** oder **„WPA-PSK/WPA2-PSK”** aus der Dropdown-Liste.

Geben Sie die Passphrase für Ihre Verschlüsselung ein und bestätigen Sie die Passphrase im zweiten Feld.

Sicherheit - WPA-PSK-/WPA2-PSK



P. Klicken Sie auf **„Next [Weiter]“**, nachdem Sie alle Wireless-Einstellungen vorgenommen haben.

Q. Damit ist die Konfiguration mit dem Einrichtungsassistenten abgeschlossen. Klicken Sie auf **„Save & Take Effect [Speichern und Übernehmen]“**, wenn Sie möchten, dass die vorgenommenen Einstellungen übernommen werden.

Wenn Sie Einstellungen ändern möchten, klicken Sie auf **„Back [Zurück]”**, um zur vorherigen Anzeige zurückzukehren.

Wenn Sie den Einrichtungsassistenten schließen möchten, ohne Änderungen vorzunehmen, klicken Sie auf **„Exit [Beenden]“**.

Wenn Sie **„Save & Take Effect** [Speichern und Übernehmen]“ gewählt haben, übernimmt der Router die konfigurierten Einstellungen und startet neu. Warten Sie bitte, bis die Meldung **„Setup Wizard configuration is complete** [Konfiguration mit dem Einrichtungsassistenten ist abgeschlossen]” erscheint.

R. Klicken Sie auf **„OK“**, um den Einrichtungsassistenten zu schließen.

Damit ist ihr Wireless-Router betriebsbereit!

6. Verbindung mit dem Drahtlosnetzwerk

Es gibt zwei Möglichkeiten, eine drahtlose Verbindung mit dem Wireless-Router herzustellen:

- Manuell.
- Automatisch mithilfe der WPS-Funktion.

! WICHTIGER HINWEIS !

Der Wireless-Router ist standardmäßig mit WPA-PSK/WPA2-PSK (gemischter Modus)-Verschlüsselung gesichert. Sie finden die WPA-Passphrase Ihres Routers auf dem am Wireless-Router angebrachten Aufkleber.

Für die verschiedenen Marken/Arten von Wireless-Karten werden unterschiedliche Client-Anwendungen verwendet. Informationen über das Erstellen einer Verbindung mit einem Drahtlosnetzwerk finden Sie im Handbuch Ihrer Wireless-Netzwerkkarte.

6.1 Manuelle Verbindung unter Windows 7

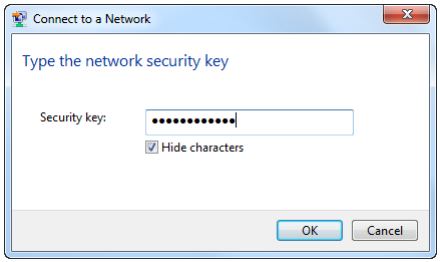
Im folgenden Beispiel wird die integrierte Option „**Connect to a Network** [Verbindung mit einem Netzwerk]" aus Windows 7 verwendet.

A Klicken Sie auf das '**Netzwerk**'-Symbol in der Kontrollleiste. Daraufhin wird die Liste der verfügbaren drahtlosen Netzwerkverbindungen angezeigt.

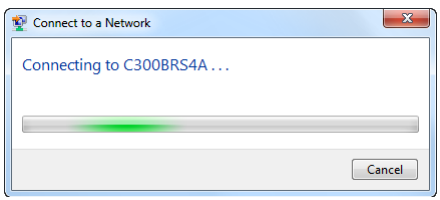
B Wählen Sie das Netzwerk „**C300BRS4A**" aus der Liste und klicken Sie auf '**Connect** [Verbinden]'.

Standardmäßig ist die Option „**Connect automatically** [Automatisch verbinden]" ausgewählt. Damit ist sichergestellt, dass die Verbindung immer, wenn Sie Ihren Computer einschalten, gestartet wird. Wenn Sie dies nicht möchten, können Sie diese Option deaktivieren, bevor Sie auf '**Connect** [Verbinden]' klicken.

C Geben Sie die Standard-WPA-Passphrase (diese findet sich auf der Unterseite des Wireless-Routers) im Feld **„Security key** [Sicherheitsschlüssel]" ein und klicken Sie auf **„OK"**.



D Daraufhin beginnt der Client, die Verbindung mit dem Drahtlosnetzwerk herzustellen.

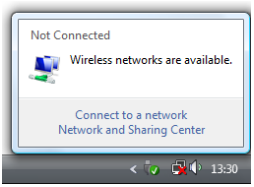


E Zur Überprüfung des Status der drahtlosen Verbindung können Sie auf das **‚Netzwerk'**-Symbol in der Kontrollleiste klicken. Daraufhin wird angezeigt, mit welchem Netzwerk gegenwärtig eine Verbindung besteht, welchen Zugriff Sie haben und welche Signalstärke die Verbindung hat.

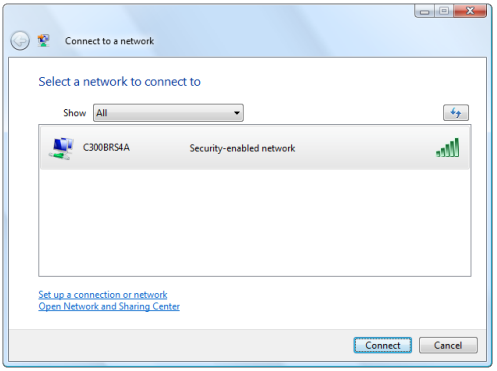
6.2 Manuelle Verbindung unter Windows Vista

Im folgenden Beispiel wird die integrierte Option **„Connect to a Network** [Verbindung mit einem Netzwerk]" aus Windows Vista mit Service Pack 1 verwendet.

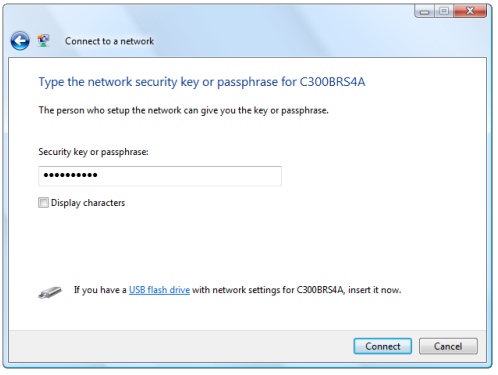
A Klicken Sie auf das **‚Netzwerk'**-Symbol in der Kontrollleiste und dann auf **„Wireless networks are available [Verfügbare Drahtlosnetzwerke]"**.



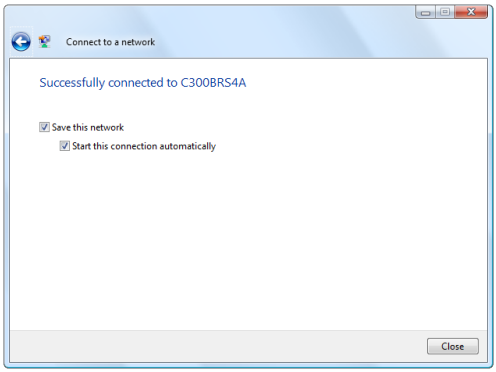
B Wählen Sie das Netzwerk **„C300BRS4A"** aus der Liste aus und klicken Sie auf **‚Connect** [Verbinden]'.



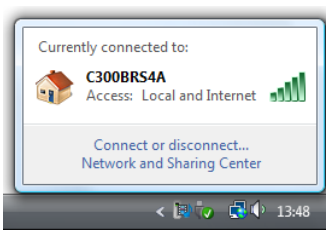
C Geben Sie die Standard-WPA-Passphrase (diese findet sich auf der Unterseite des C300BRS4A) im Feld **„Security key or Passphrase** [Sicherheitsschlüssel oder Passphrase]" ein und klicken Sie auf **„Connect** [Verbinden]".



D Sobald die Verbindung hergestellt wurde, können Sie die Optionen **„Save this network [Dieses Netzwerk speichern]“** und **„Start this connection automatically [Diese Verbindung automatisch starten]“** aktivieren. Klicken Sie auf **„Close** [Schließen]“, um den Verbindungsassistenten zu schließen.



E Zur Überprüfung des Status der drahtlosen Verbindung können Sie auf das **‚Netzwerk’**-Symbol in der Kontrollleiste klicken. Daraufhin wird angezeigt, mit welchem Netzwerk gegenwärtig eine Verbindung besteht, welchen Zugriff Sie haben und welche Signalstärke die Verbindung hat.



6.3 Automatische Verbindung mit WPS

Der Wireless-Router von Conceptronic unterstützt WPS (Wi-Fi-geschützte Einstellung). WPS ist ein Standard für die einfache und sichere Einrichtung eines drahtlosen Netzwerks. Mit WPS können Sie mit ein paar wenigen, einfachen Schritten Ihr drahtloses Netzwerk einrichten und schützen.

Hinweis: Sie können WPS mit dem Wireless-Router nur verwenden, wenn Sie einen Wireless-Client haben ,der WPS unterstützt. Wenn Sie einen oder mehrere Wireless-Clients ohne WPS-Unterstützung haben, empfehlen wir Ihnen, die Verbindung manuell mithilfe des vorkonfigurierten WPA-Schlüssels, der auf der Unterseite zu finden ist, herzustellen. Im **Kapitel 6.1** oder **6.2** können Sie nachlesen, wie eine manuelle Verbindung mit dem Drahtlosnetzwerk hergestellt wird.

Hinweis: Weitere (technische) Informationen über WPS finden Sie auf folgender Website: http://de.wikipedia.org/wiki/Wi-Fi_Protected_Setup

Mit der WPS-Knopfdruck-Methode können Sie den Wireless-Router mit einem Client verbinden, indem Sie an beiden Geräten einen Knopf drücken.

Für die WPS-Knopfdruck-Methode ist ein (virtueller) Knopf am Wireless Client erforderlich, um eine Verbindung zwischen dem Wireless-Router und dem Wireless Client herzustellen.
Einige Wireless-Clients haben einen richtigen Knopf für die Aktivierung der WPS-Knopfdruck-Methode; bei anderen wiederum ist dies ein virtueller Knopf in deren Software.

Führen Sie die folgenden Schritte für die Aktivierung und Einrichtung einer WPS-Verbindung mit der Knopfdruck-Methode aus:

A. Drücken Sie den WPS-Knopf auf der Hinterseite des Wireless-Routers; daraufhin beginnt die WPS-LED-Anzeige zu blinken, was bedeutet, dass die WPS-Authentifizierung gestartet wurde.

B. Drücken Sie den WPS-Knopf am Wireless Client. Dies kann ein Hardware-Knopf oder ein virtueller Knopf in der Software des Wireless Clients sein.

Hinweis: Der Wireless-Router behält die WPS-Authentifizierung während 120 Sekunden aktiv. Während diesem Prozess blinkt die WPS-LED-Anzeige. Wenn in diesen 120 Sekunden keine WPS-Verbindung zustande kommt, schaltet die LED-Anzeige aus und die WPS-Authentifizierung wird abgebrochen.

Wenn die WPS-Authentifizierung erfolgreich ist, schaltet die WPS-LED-Anzeige aus.

Damit ist der Wireless-Client mit dem gesicherten Drahtlosnetzwerk des Wireless-Routers verbunden. Sie können weitere Wireless-Clients hinzufügen, wobei die Verbindung der zuvor verbundenen Wireless-Clients bestehen bleibt. Wenn Sie weitere Wireless-Clients hinzufügen möchten, wiederholen Sie die Schritte **A** und B**.**

7. Portweiterleitung

Der Conceptronic Wireless-Router ist mit einer eingebauten Firewall ausgerüstet, um Angriffe aus dem Internet auf Ihr Netzwerk zu verhindern. Diese Firewall blockiert automatisch den gesamten eingehenden Verkehr auf nicht benutzten Ports. Wenn ein blockierter Port für einen Dienst oder eine Anwendung benötigt wird (zum Beispiel für einen FTP- oder Web-Server), können Sie auf den Konfigurationsseiten eine Regel für den Virtual Server erstellen [Virtual Server Rule], um den Verkehr weiterzuleiten.

Der Wireless-Router unterstützt auch UPnP-Portweiterleitung und ermöglicht es lokalen UPnP-Anwendungen, der Konfiguration des Routers automatisch Portmappings hinzuzufügen. Das bedeutet, dass Sie nicht manuell im Wireless-Router für diese Anwendung eine Virtual Server-Regel erstellen müssen, wenn Sie eine UPnP-fähige Anwendung verwenden.

Wenn UPnP nicht verfügbar ist oder eine Virtual Server-Regel aus anderen Gründen hinzugefügt werden muss, empfehlen wir, den/die Computer und/oder das/die Netzwerkgerät/e mit einer festen IP-Adresse anstelle einer dynamischen IP-Adresse zu konfigurieren.

Folgendes ist eine Liste einiger häufig verwendeter Ports und deren jeweiligen Anwendungen:

Port	Anwendung	Port	Anwendung
20	FTP Daten (FTP Server)	**80**	HTTP (Webserver)
21	FTP Daten (FTP Server)	**110**	POP3 (Mail Server – Eingang)
22	SSH (Secure Shell)	**2000**	Remotely Anywhere
23	Telnet	**5800**	VNC
25	SMTP (Mail Server – Ausgang)	**5900**	VNC

Weitere Ports und deren jeweilige Anwendung finden Sie unter: http://portforward.com/cports.htm.

Hinweis: Detaillierte Erklärungen zu den Portweiterleitungs- und DMZ-Optionen finden Sie im erweiterten Benutzerhandbuch auf der Produkt-CD-ROM (nur Englisch).

Der Wireless-Router kann verschiedene Arten von Portweiterleitungsregeln einstellen:

- **Single Port Forwarding** [einzelne Portweiterleitung]

  Mit ‚**Single Port Forwarding** [einzelne Portweiterleitung]' können Sie einzelne Ports für Anwendungen öffnen, die einen einzelnen Port benötigen, beispielsweise Webserver oder FTP-Server.

- **Port Range Forwarding** [Portbereichweiterleitung]

  Mit ‚**Port Range Forwarding** [Portbereichweiterleitung]' können Sie einen Portbereich für Anwendungen öffnen, die mehrere Ports in einer Reihe benötigen, beispielsweise Peer-2-Peer-Software und einige Spiele mit Online-Multiplayer-Funktion.

Um Ports weiterzuleiten, müssen Sie sich zuerst auf der Webbenutzeroberfläche des Routers anmelden:

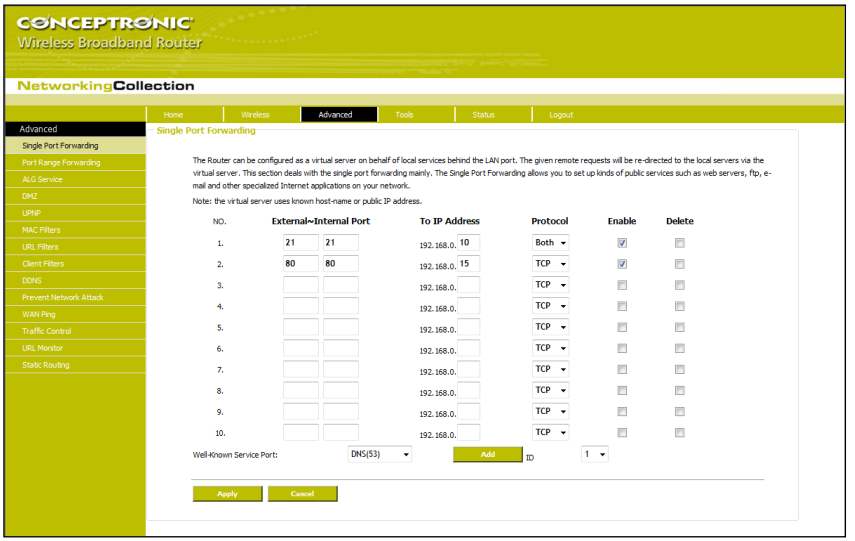
- Wie Sie sich auf der Webbenutzeroberfläche anmelden können, ist im **Kapitel 5.1** beschrieben.
- Wählen Sie in der oberen Menüleiste „**Advanced** [Erweitert]" aus. Daraufhin wird die Leiste des erweiterten Menüs links angezeigt.

DEUTSCH

Single Port Forwarding [einzelne Portweiterleitung]

- Wählen Sie in der links angezeigten Leiste des erweiterten Menüs ‚**Single Port Forwarding** [einzelne Portweiterleitung]' aus.

Daraufhin wird die Konfiguration für ‚**Single Port Forwarding** [einzelne Portweiterleitung]' auf Ihrem Bildschirm angezeigt:



Hinweis: In obiger Abbildung sehen Sie ein Beispiel mit einigen Portweiterleitungsregeln.

Sie können bis zu 10 einzelne Portweiterleitungsregeln im Wireless-Router definieren.

- Geben Sie in den folgenden Feldern die für die Portweiterleitung erforderlichen Informationen ein:
  - **External Port** [Externer Port] : Eingabe des Ports, der von außerhalb Ihrer Internet-Verbindung sichtbar sein muss.
  - **Internal Port** [Interner Port] : Eingabe des gewünschten lokalen Ports für den Computer/das Gerät.
  - **IP Address** [IP-Adresse] : Eingabe der lokalen IP-Adresse des Computers/Geräts.
  - **Protocol** [Protokoll] : Auswahl der Art Netzwerkverkehr, der weitergeleitet werden soll.
  - **Enable** [Aktivieren] : Aktivieren oder Deaktivieren der konfigurierten Regel.
  - **Delete** [Löschen] : Löschen der konfigurierten Regel.

Hinweis: Wenn Sie nicht wissen, welches Protokoll (‚**Type** [Typ]') Sie für Ihre Virtual Server-Regel benötigen, wählen Sie „**Both** [Beide]". Mit dieser Option wird sowohl TCP- als auch UDP-Verkehr über die konfigurierte IP-Adresse geleitet.

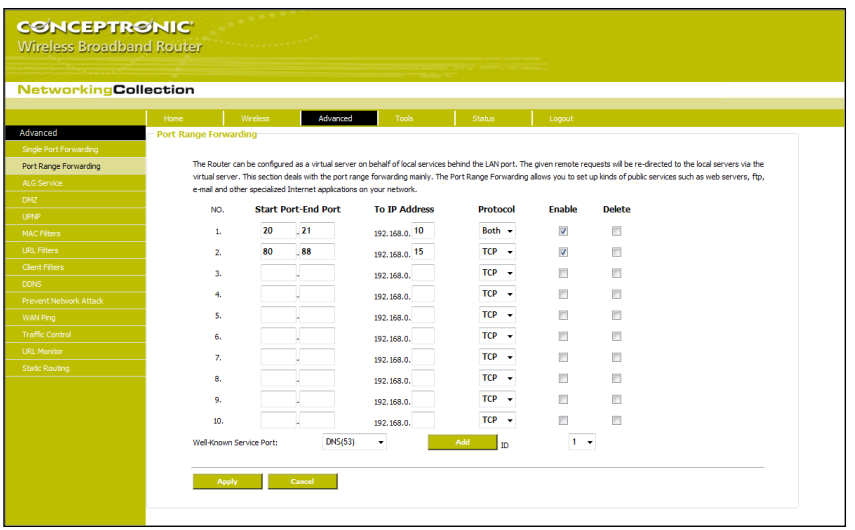
Nachdem Sie die Regeln konfiguriert haben, klicken Sie auf „**Apply** [Übernehmen]”, um die Portweiterleitungskonfiguration zu speichern.

Hinweis: Um sicherzustellen, dass die konfigurierten Regeln korrekt funktionieren, empfehlen wir, den Router neu zu starten, nachdem Sie die Portweiterleitungsregeln konfiguriert haben.

Port Range Forwarding [Portbereichweiterleitung]

- Wählen Sie in der links angezeigten Leiste des erweiterten Menüs ‚**Port Range Forwarding** [Portbereichweiterleitung]’ aus.

Daraufhin wird die Konfiguration für ‚**Port Range Forwarding** [Portbereichweiterleitung]’ auf Ihrem Bildschirm angezeigt:



Hinweis: In obiger Abbildung sehen Sie ein Beispiel mit einigen Portweiterleitungsregeln.

Sie können bis zu 10 Portbereichweiterleitungsregeln im Wireless-Router definieren.

- Geben Sie in den folgenden Feldern die für die Portweiterleitung erforderlichen Informationen ein:
  - **Start Port** : Eingabe des ersten Ports des Bereichs, der an Ihren Computer weitergeleitet werden muss.
  - **End Port** : Eingabe des letzten Ports des Bereichs, der an Ihren Computer weitergeleitet werden muss.
  - **IP Address** [IP-Adresse] : Eingabe der lokalen IP-Adresse des Computers/Geräts.
  - **Protocol [Protokoll]** : Auswahl der Art Netzwerkverkehr, der weitergeleitet werden soll.
  - **Enable** [Aktivieren] : Aktivieren oder Deaktivieren der konfigurierten Regel.
  - **Delete** [Löschen] : Löschen der konfigurierten Regel.

Hinweis: Wenn Sie nicht wissen, welches Protokoll (,**Type** [Typ]') Sie für Ihre Virtual Server-Regel benötigen, wählen Sie „**Both** [Beide]". Mit dieser Option wird sowohl TCP- als auch UDP-Verkehr über die konfigurierte IP-Adresse geleitet.

Nachdem Sie die die Regeln konfiguriert haben, klicken Sie auf „**Apply** [Übernehmen]", um die Portweiterleitungskonfiguration zu speichern.

Hinweis: Um sicherzustellen, dass die konfigurierten Regeln korrekt funktionieren, empfehlen wir, den Router neu zu starten, nachdem Sie die Portweiterleitungsregeln konfiguriert haben.

Nachdem der Router neu gestartet wurde, sind alle vorgenommenen Einstellungen aktiviert und die Virtual Server-Regeln werden angewendet.

Die definierten Portweiterleitungsregeln können jetzt verwendet werden.

Hinweis: Detaillierte Erklärungen zu den für den C300BRS4A verfügbaren Funktionen und Einstellungen finden Sie im erweiterten Benutzerhandbuch auf der Produkt-CD-ROM (nur Englisch).

C300BRS4A de Conceptronic Version 2.0.

Manuel d'Utilisateur

Nous vous félicitons d'avoir acheté votre Routeur sans fil de Conceptronic

Vous trouverez dans ce Manuel d'Utilisateur une explication détaillée de l'installation du Routeur sans fil de Conceptronic.

Pour plus d'informations ou pour obtenir de l'aide concernant votre produit, nous vous conseillons de visiter notre site web de Service & Support sur**www.conceptronic.net/support**et de sélectionner l'une des options suivantes :

- Foire aux Questions : Base de Données de Questions les plus Fréquemment Posées
- **Téléchargements :** Manuels, Drivers, Microprogramme et plus de téléchargements
- **Contact :** Pour contacter le Service support de Conceptronic

Pour plus d'informations générales concernant les produits Conceptronic, visitez le site web de Conceptronic sur **www.conceptronic.net**.

Les informations contenues dans ce guide d'installation rapide sont basées sur Windows 7 et Vista, et donc peuvent être différentes de votre ordinateur si vous utilisez un système d'exploitation différent.

Remarque : Ce manuel d'utilisateur n'explique que les opérations de base pour mettre en service le routeur sans fil et le faire fonctionner. Pour plus d'informations sur les différentes fonctions du routeur sans fil veuillez consulter le manuel d'utilisateur version longue (en anglais uniquement) contenu dans le Cd-Rom de Produit.

Table des matières

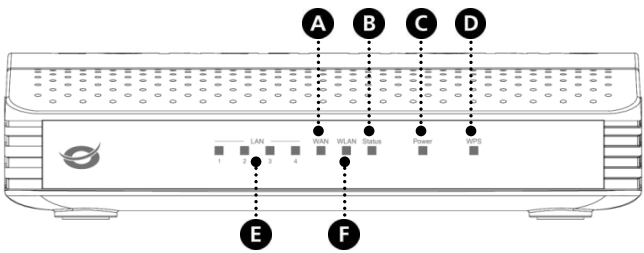
1. Contenu du Coffret

Les éléments suivants sont fournis dans le paquet avec le routeur sans fil de Conceptronic :

- Routeur sans fil de Conceptronic (C300BRS4A v2.0)
- 2 antennes pour le routeur sans fil
- Alimentation électrique 9V CC, 1A
- Câble de réseau (LAN)
- CD-ROM du produit
- Guide d'installation rapide en plusieurs langues
- Carte de garantie et brochure de déclaration CE

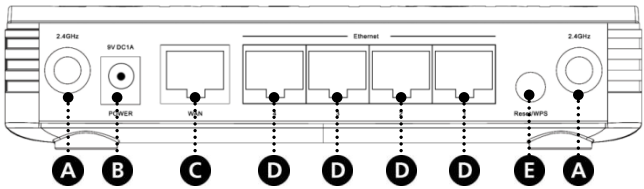
2. Explication du routeur sans fil

2.1 Façade avant



Nº	Description	État	Explication d'état
A	LED WAN	**OFF**	Port WAN non connecté
		ON - FIXE	Port WAN connecté
		ON - CLIGNOTANT	Activité port WAN (Envoi ou réception de données)
B	LED d'État	**OFF**	L'appareil est éteint
		ON - CLIGNOTANT	L'appareil est allumé et prêt à être utilisé
C	LED d'Alimentation	**OFF**	L'appareil est éteint
		ON	L'appareil est allumé
D	LED WPS	**OFF**	La fonction WPS sans fil est désactivée
		ON - CLIGNOTANT	La fonction WPS sans fil accepte les connexions WPS
E	LED LAN (1, 2, 3, 4)	**OFF**	Le port LAN n'est pas connecté
		ON - FIXE	Le port LAN est connecté
		ON - CLIGNOTANT	Activité port LAN (Envoi ou réception de données)
F	LED WAN	**OFF**	Le réseau sans fil est éteint
		ON - CLIGNOTANT	Activité réseau sans fil (Envoi ou réception de données)

2.2 Façade arrière



N°	Description	Explication
A	**Antennes sans fil (**2x**)**	Deux antennes fixes pour la diffusion sans fil
B	**Connexion électrique**	Brancher l'alimentation électrique sur le routeur
C	**Port WAN**	Branchez votre connexion bande large sur le routeur
D	**Ports LAN (**1 – 4**)**	Connectez votre(vos) ordinateur(s) / dispositif(s) de réseau sur le routeur.
E	**Touche Reset/WPS**	Active la fonction WPS (pression courte) ou réalise une réinitialisation (pression prolongée)

3. Branchement des câbles

Connectez l'alimentation électrique sur la prise d'alimentation électrique à l'arrière du routeur sans fil et sur une prise électrique murale disponible. Le voyant LED d'alimentation à l'avant du routeur sans fil s'allume.

3.1 Port WAN

Utilisez un câble de réseau (LAN) pour connecter le routeur sans fil sur votre modem bande large.
La LED WAN à l'avant du routeur sans fil s'allume.

Remarque : Si la LED WAN sur la façade avant ne s'allume pas, vérifiez que :
- Le routeur sans fil est bien allumé (La LED d'alimentation doit être allumée).
- Le modem bande large est allumé.
- Le câble de réseau LAN entre les deux appareils est bien connecté.

3.2 Port(s) LAN

Connectez le câble de réseau (LAN) sur l'un des 4 ports LAN de la façade arrière du routeur sans fil et sur la carte de réseau de votre ordinateur.
La LED LAN du port LAN utilisé s'allume pour indiquer que l'ordinateur est connecté. (Votre ordinateur doit être allumé et la Connexion LAN doit être activée).

4. Configuration de l'ordinateur

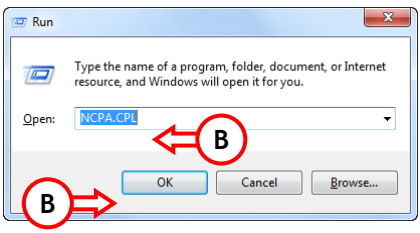
4.1 Configuration de l'adresse IP.

Le routeur sans fil est équipé d'un serveur DHCP intégré. Le serveur DHCP affectera automatiquement une adresse IP à chaque ordinateur connecté si l'ordinateur connecté est réglé sur l'option «Obtenir automatiquement une adresse IP».

La plupart des ordinateurs sont configurés par défaut pour obtenir automatiquement une adresse IP. Si ce n'est pas le cas, vous devez configurer votre ordinateur pour obtenir une adresse IP automatiquement en suivant les instructions données ci-après :

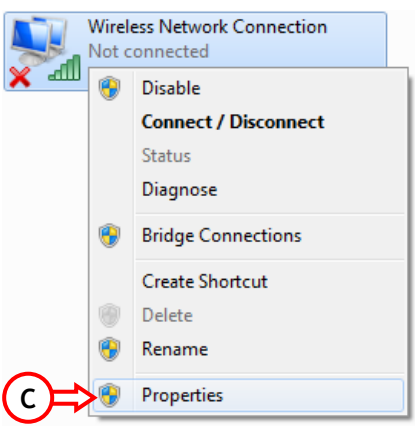
A. Cliquez sur **"Démarrage", "Tous les Programmes", "Accessoires",** et choisissez **"Exécuter".**

B. Entrez la commande "**NCPA.CPL**" et appuyez sur "**OK**".



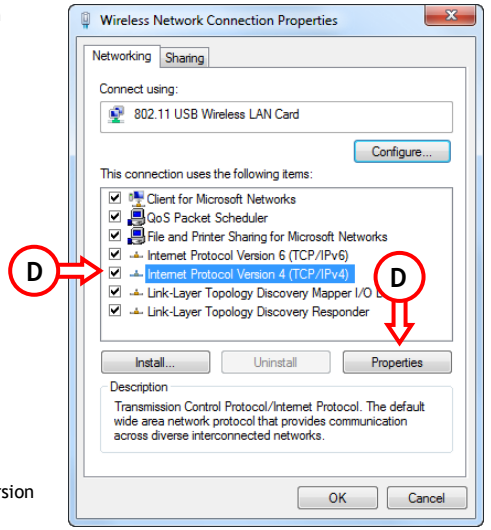
La fenêtre de "**Connexions de Réseau**" s'affiche.

C. Cliquez avec le bouton de droite sur votre **"Connexion Locale"** (en fonction de la connexion que vous utilisez) et sélectionnez **"Propriétés".**



La fenêtre Propriétés de votre Connexion de Réseau Local ou de votre Connexion de Réseau Sans Fil s'affiche.

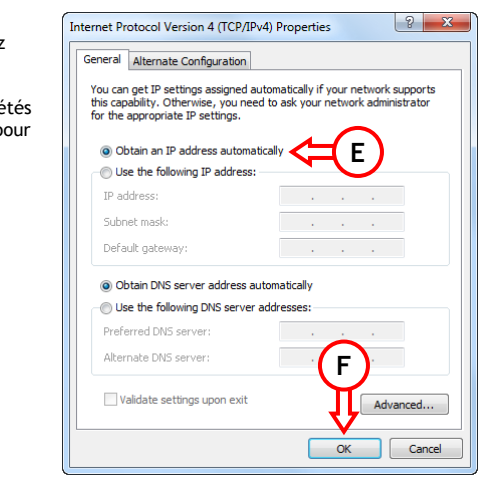
D. Sélectionnez "**Protocole Internet Version 4(TCP/IPv4)**" et cliquez sur "**Propriétés**".



La fenêtre propriétés du Protocole Internet Version 4(TCP/IPv4) s'affiche.

E. Réglez les propriétés sur "**Obtenir une adresse IP automatiquement**" et appuyez sur "**OK**" pour enregistrer les paramètres.

F. Cliquez sur "**OK**" dans la fenêtre de Propriétés de Protocole Internet Version 4(TC/IPv4) pour enregistrer les paramètres.



4.2 Vérification de la connexion

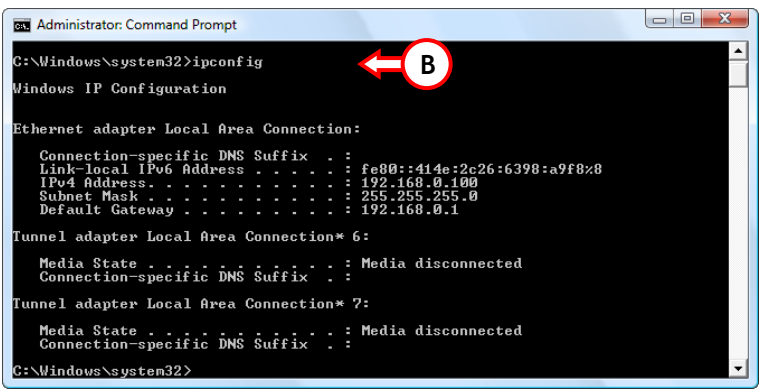
Avec l'"**Invite de Commandes**" de Windows, vous pouvez vérifier si vous avez reçu une adresse IP correcte sur votre Connexion de Réseau Local ou votre Connexion de Réseau Sans Fil. Cet exemple est basé sur Windows 7 et Vista avec Service Pack 1. Dans Windows 7 et Vista vous devez disposer des droits d'administrateur pour réaliser les opérations expliquées ci-après.

A. Cliquez sur "**Démarrage**", "**Tous les Programmes**", "**Accessoires**", puis cliquez avec le bouton de droite sur "**Invite de Commandes**" et sélectionnez "**Exécuter en tant qu'administrateur**".

Le système affiche un message d'avertissement que vous devez accepter en cliquant sur "**Continuer**" ou "**Oui**".

La fenêtre Invite de Commandes s'affiche. Vérifiez que la barre de titre de "**Invite de Commandes**" mentionne bien "**Administrateur : Invite de Commandes**". Si "**Administrateur**" n'est pas indiqué, cela signifie que vous n'avez pas les droits d'administration nécessaires pour réaliser ces opérations ; vous devez alors recommencer à partir de l'**étape A**.

B. Entrez la commande "**IPCONFIG**" et appuyez sur "**ENTER**" sur votre clavier.



Vous verrez s'afficher les informations suivantes

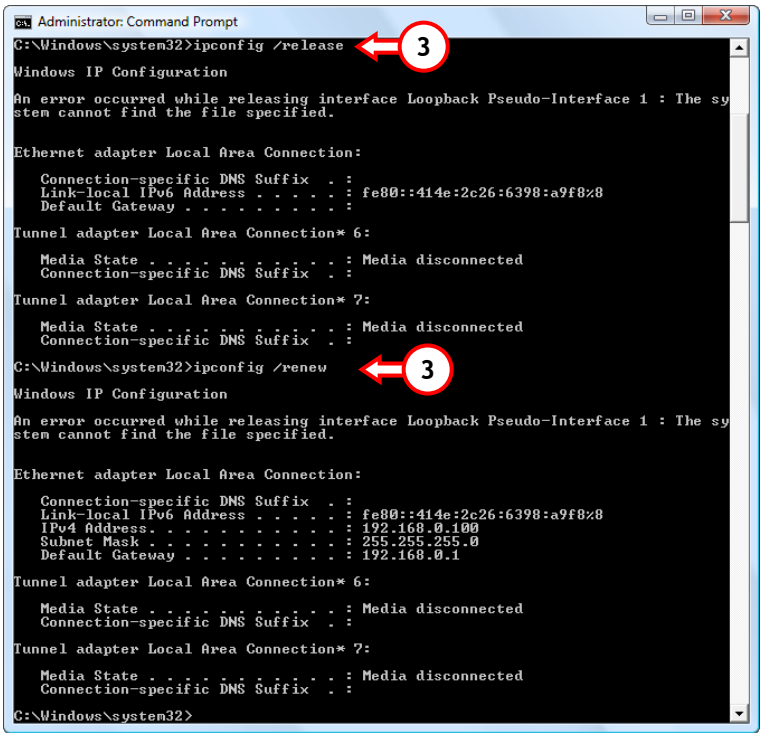
Adresse IPv4 : **192.168.0.xxx** (**où xxx** peut être compris entre **100 ~ 199**).
Masque de sous-réseau : **255.255.255.0**
Passerelle par Défaut : **192.168.0.1**

Si les informations présentées ci-dessus correspondent à votre configuration, vous pouvez poursuivre la configuration de votre routeur au **chapitre 5.**

Si les informations présentées ci-dessus ne correspondent pas à votre configuration (par ex. votre adresse IP est 169.254.xxx.xxx), procédez comme indiqué ci-après :

1. Débranchez et rebranchez l'alimentation électrique du routeur.

2. Débranchez et rebranchez le câble LAN sur l'appareil et sur votre ordinateur.
3. Récrivez l'adresse IP de votre ordinateur avec les commandes suivantes :
   - **"IPCONFIG/RELEASE"** : pour éditer l'adresse IP incorrecte.
   - **"IPCONFIG/RENEW"** : pour renouveler l'adresse IP.



Si les actions ci-dessus ne suffisent pas à résoudre votre problème d'adresse IP, vous pouvez réinitialiser l'appareil sur les paramètres par défaut avec le bouton WEP/Reset situé sur la façade arrière de l'appareil.
Appuyez sur le bouton WPS/reset et maintenez-le enfoncé jusqu'à ce que la LED d'état s'éteigne (environ 15 secondes). Cela fera redémarrer le routeur et chargera les paramètres d'usine par défaut dans le routeur. Lorsque la LED d'état est de nouveau allumée et fixe, recommencez l'**opération B** pour renouveler votre adresse IP.

Remarque : Si le problème persiste, vérifiez que tous les câbles sont bien connectés. Le port WAN doit être connecté au modem et le port LAN à l'ordinateur. Une mauvaise connexion vous empêchera d'obtenir une bonne adresse IP.

5. Configuration du routeur sans fil

Ce chapitre décrit les opérations nécessaires pour configurer le routeur sans fil avec l'assistant de configuration intégré. Une fois les opérations de ce chapitre réalisées, votre routeur est bien paramétré pour ses fonctions primaires.

5.1 Connexion

Une interface basée sur Internet est utilisée pour configurer le routeur sans fil. Cela signifie que vous pouvez configurer le routeur sans fil sur n'importe quel ordinateur avec un navigateur Internet connecté au routeur sans fil.

Remarque : Nous vous recommandons vivement de ne pas utiliser de connexion sans fil lorsque vous configurez le routeur sans fil puisque sa connexion pourrait se perdre lors du réglage de certains paramètres. Il est par conséquent fortement conseillé d'utiliser un ordinateur connecté au routeur sans fil avec un câble de réseau.

Pour connecter le routeur sans fil, procédez comme suit :

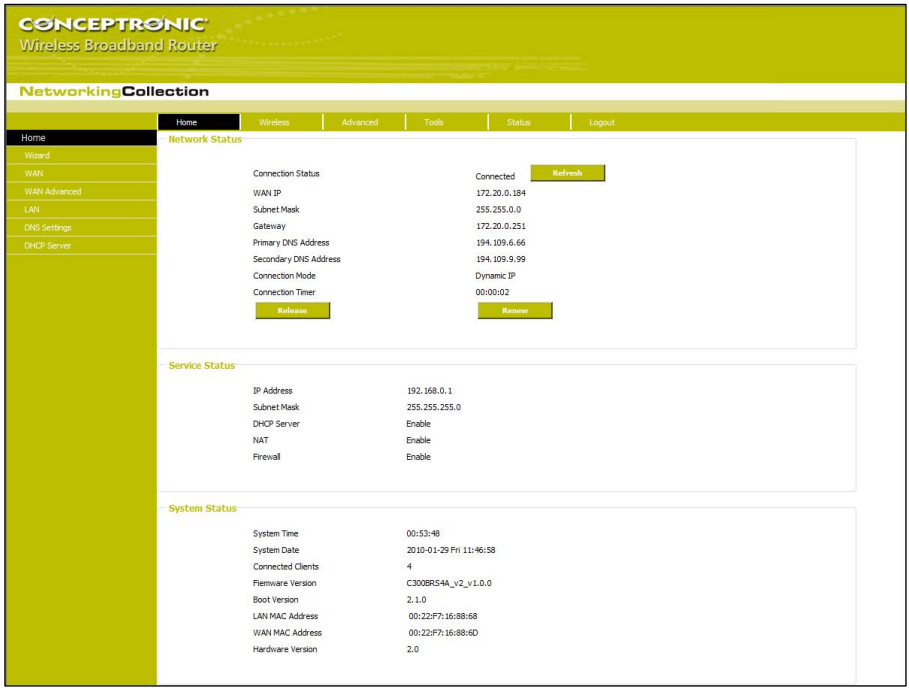
A. Lancez votre navigateur Internet (par ex. : Internet Explorer, Firefox, Safari ou Chrome).

B. Entrez l'adresse IP du routeur dans la barre d'adresse de votre navigateur Internet.
Par défaut : **http://192.168.0.1/**

Une fenêtre de connexion s'affiche pour vous demander d'indiquer le nom d'utilisateur et le mot de passe.

C. Indiquez le nom d'utilisateur et le mot de passe puis cliquez sur **OK** pour entrer dans la configuration basée sur Internet.
Nom d'utilisateur par défaut : **admin**
Mot de passe par défaut : **admin**

Lorsque le nom d'utilisateur et le mot de passe sont corrects, le routeur sans fil affiche la page principale avec l'état du routeur sans fil :



Sur la page principale vous verrez l'état de la connexion Internet, l'état du système, la version de microprogramme et les services activés.

Remarque : Par défaut, le routeur sans fil est configuré pour travailler avec les adresses Dynamic IP fournies par le fournisseur Internet. Il s'agit d'un paramètre communément utilisé, qui permet au routeur sans fil d'être prêt à être utilisé dans la plupart des cas.

Le routeur sans fil est également crypté par défaut, ce qui empêche les utilisateurs non autorisés de se connecter à votre réseau sans fil. Vous trouverez le code de cryptage défini à l'avance sur la partie inférieure du routeur sans fil.

5.2 Assistant

Vous pouvez configurer le routeur sans fil grâce à l'Assistant intégré. Cet Assistant vous aidera à configurer les paramètres de base du routeur sans fil pas à pas.

Remarque : Avant de commencer avec l'Assistant de Configuration, vérifiez que vous disposez bien de toutes les informations disponibles sur votre connexion Internet. Par exemple : type de connexion, informations sur le compte, etc.

Remarque : Dans tout ce chapitre les remarques suivantes s'appliquent : Si vous ne savez pas quelle option choisir ou si vous ne disposez pas des informations nécessaires, vous pouvez soit consulter la documentation de votre connexion Internet soit prendre contact avec votre fournisseur Internet (ci-après appelé ISP).

A. Cliquez sur "**Wizard**" [Assistant] sur le menu de gauche de la page principale.
B. Cliquez sur "**Run Autorun.exe**" pour lancer le menu à exécution automatique. Une fenêtre pop-up avec l'Assistant s'affiche à l'écran :

C. L'écran d'accueil indique les cinq premières étapes de l'assistant. Cliquez sur "**Next**" pour continuer.

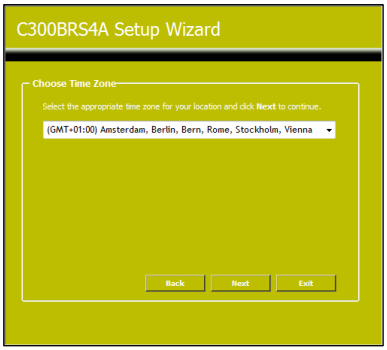
D. Le système vous recommande de définir ici un mot de passe d'administrateur. Entrez le nouveau mot de passe et entrez-le de nouveau pour confirmer.

Lorsque vous avez terminé, cliquez sur "**Next**".

E. Pour gérer le système, il est essentiel que l'heure du système soit bien à jour pour obtenir l'heure précise sur les fichiers journaux du système.

Déterminez la Zone Horaire correspondante dans cette étape.

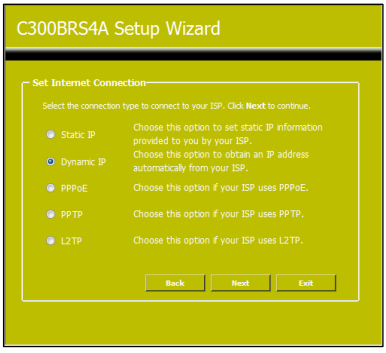
Lorsque vous avez terminé, cliquez sur "**Next**".



F. Sélectionnez la méthode de connexion à Internet qui correspond aux paramètres de votre fournisseur.

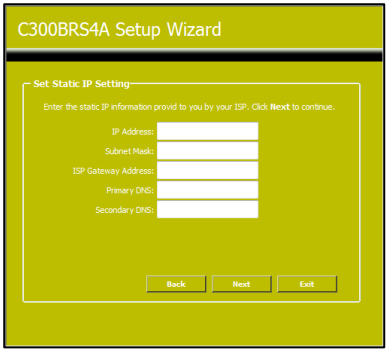
Si vous ne savez pas de quelle option vous avez besoin pour votre connexion à Internet, veuillez consulter la documentation de votre fournisseur ou prenez contact avec le service technique de votre fournisseur.

Lorsque vous avez terminé, cliquez sur "**Next**".



G. Si votre fournisseur a besoin d'une connexion IP Statique, sélectionnez l'option "**Static IP**".

Connexion - IP Statique



Entrez les informations demandées :

- *IP Address [Adresse IP]*
- *Subnet Mask [Masque de Sous-réseau]*
- *ISP Gateway Address [Adresse de Passerelle ISP]*
- *Primary DNS [DNS Primaire]*
- *Secondary DNS [DNS Secondaire] (en option)*

Lorsque vous avez terminé, cliquez sur "**Next**".

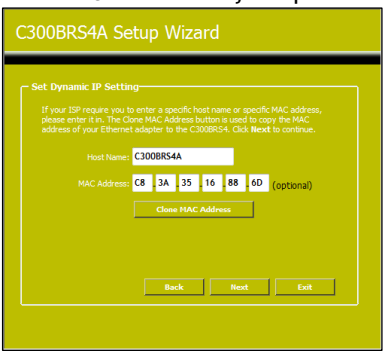
H. Si votre fournisseur a besoin d'une connexion IP Dynamique, sélectionnez l'option "**Dynamic IP**".

Certains fournisseurs ont besoin d'un nom d'hôte particulier pour leurs connexions. Si votre fournisseur a besoin d'un nom d'hôte particulier, entrez le nom d'hôte dans ce champ.

Certains fournisseurs n'autorisent qu'une adresse MAC spécifique pour se connecter à Internet. Si votre Carte de Réseau PC travaille avec l'adresse MAC spécifique requise, appuyez sur la touche "**Clone MAC Address**" ou entrez l'Adresse MAC manuellement.

Lorsque vous avez terminé, cliquez sur "**Next**".

Connexion - IP Dynamique



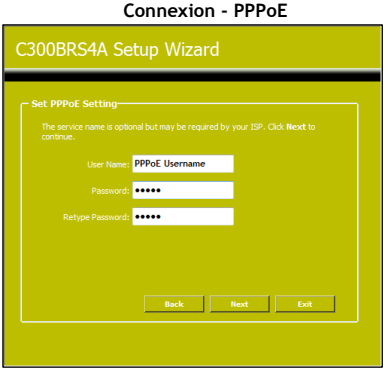
I. Si votre fournisseur a besoin d'une connexion PPPoE sélectionnez l'option ""**PPPoE**"".

Entrez les informations demandées :

- *User Name [Nom d'Utilisateur]*
- *Password [Mot de passe]*
- *Indiquez à nouveau votre mot de passe*

Lorsque vous avez terminé, cliquez sur "**Next**".

Connexion - PPPoE



J. Si votre fournisseur a besoin d'une connexion PPTP, sélectionnez l'option "**PPTP**".

Entrez les informations demandées :

- *Server IP [IP Serveur]*
- *PPTP Account [Compte PPTP]*
- *PPTP Password [Mot de Passe PPTP]*
- *Indiquez à nouveau votre mot de passe*

Lorsque vous avez terminé, cliquez sur "**Next**".

Connexion - PPTP

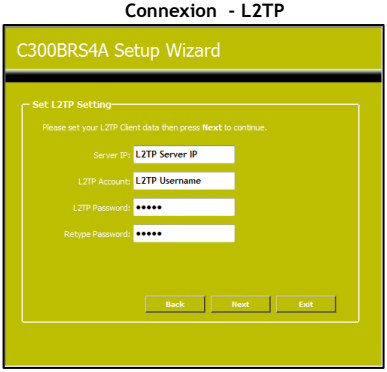
K. Si votre fournisseur a besoin d'une connexion L2TP, sélectionnez l'option "**L2TP**".

Entrez les informations demandées :

- *Server IP [IP Serveur]*
- *L2TP Account [Compte L2TP]*
- *L2TP Password [Mot de passe L2TP]*
- *Indiquez à nouveau votre mot de passe*

Lorsque vous avez terminé, cliquez sur "**Next**".

Connexion - L2TP

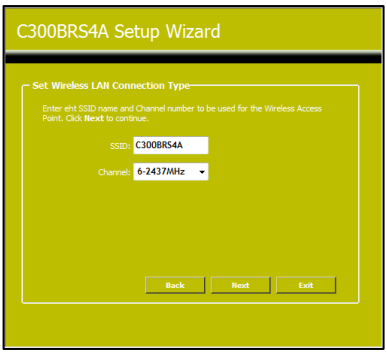


Lorsque la configuration WAN est terminée, l'Assistant poursuit la configuration Sans fil :

L. Vous pouvez changer le SSID du routeur. Le SSID est le nom qui sera diffusé dans la partie Sans fils.

Vous pouvez modifier le canal, de **1** à **13**. Si la vitesse de votre connexion est lente ou a des coupures, il se peut qu'un autre point d'accès dans votre zone interfère avec votre canal sans fils. Dans ce cas, vous pouvez essayer un autre canal.

Lorsque vous avez terminé, cliquez sur "**Next**".



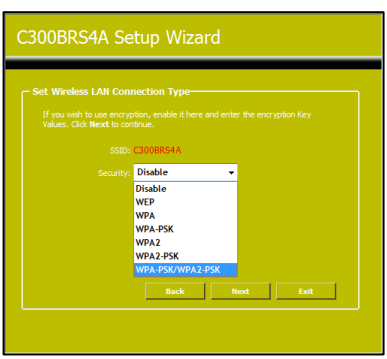
Vous pouvez sécuriser votre Connexion Sans fil avec le cryptage. Le routeur sans fil est protégé par le cryptage WPA-PSK/WPA2-PSK Mixed mode par défaut. Vous trouverez le code de cryptage défini à l'avance sur la partie inférieure du routeur.

Remarque : Toutes les options de sécurité de l'Assistant de Configuration sont expliquées, mais nous vous conseillons de sécuriser votre réseau avec la sécurité "**WPA-PSK/WPA2-PSK**" si vos Clients ne supportent pas WPS. Il s'agit du niveau de sécurité WPA2 le plus fort, avec une compatibilité de retour vers les clients uniquement WPA.

Remarque : Souvenez-vous de toutes les informations de sécurité sans fil indiquées ou notez-les. Vous en aurez besoin pour configurer un Client Sans fil à connecter au routeur sans fil !

M. Déterminer un niveau de sécurité pour votre Réseau Sans fil.

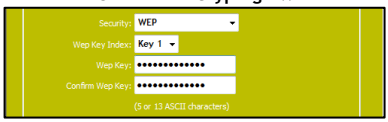
Lorsqu'un niveau de sécurité est choisi, l'Assistant présente les champs où entrer les informations requises.



N. Si vous souhaitez sécuriser votre réseau avec le cryptage WEP, sélectionnez "**WEP**" dans la liste déroulante. Entez le code WEP en format ASCII (entrée : A-Z, 0-9).

Remarque : Avec l'Assistant, vous ne pouvez que configurer WEP 64 Bits.

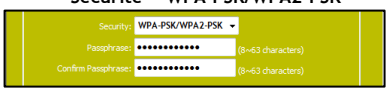
Sécurité - Cryptage WEP



O. Si vous souhaitez sécuriser votre réseau avec le WPA-PSK ou WPA2-PSK sélectionnez "**WPA-PSK**" "**WPA2-PSK**" ou "**WPA-PSK/WPA2-PSK**" dans la liste déroulante.

Entrez la phrase de mot de passe pour votre cryptage et confirmez la phrase de mot de passe dans le second champ.

Sécurité - WPA-PSK/WPA2-PSK



P. Lorsque tous les paramétrages sans fil sont faits, cliquez sur "**Next**" pour continuer.

Q. La configuration est à présent terminée. Si vous voulez que vos réglages s'appliquent, cliquez sur "**Save & Take Effect**"[*Enregistrer et appliquer*].

Si vous souhaitez modifier un paramètre, cliquez sur "**Back**" [*Retour*] pour revenir à l'écran précédent.

Si vous voulez fermer l'Assistant de Configuration sans modifications, cliquez sur "**Exit**".

Lorsque vous sélectionnez "**Save & Take Effect**" , le routeur applique les paramètres configurés et redémarre. Veuillez attendre le message "**Setup Wizard configuration is complete**" *[La configuration de l'Assistant de Configuration est terminée]*.

R. Cliquez sur "**OK**" pour sortir de l'Assistant de Configuration.

Vous pouvez dès à présent utiliser votre routeur sans fil !

6. Connexion à un réseau sans fil

Il existe deux manières différentes de vous connecter sans fil à votre routeur sans fil :

- Manuellement.
- En utilisant automatiquement la fonction WPS.

! REMARQUE IMPORTANTE !

Le routeur sans fil est protégé par le cryptage WPA-PSK/WPA2-PSK Mixed mode par défaut. Le mot de passe exclusif de WPA est indiqué sur l'autocollant du produit de votre routeur sans fil.

Presque tous les types / toutes les marques de cartes sans fil utilisent une application client différente. Veuillez consulter le manuel de votre carte sans fil pour plus d'informations sur la création d'une connexion avec un réseau sans fil.

6.1 Connexion manuelle sur Windows 7

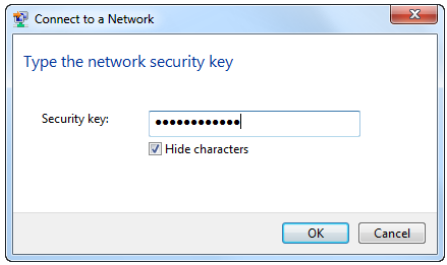
Dans l'exemple suivant, l'option intégrée "**Connexion à un réseau**" dans Windows 7 est utilisée.

A Cliquez sur l'icône "**Réseau**" de la barre de tâches pour voir la liste des connexions de réseau sans fil disponibles.

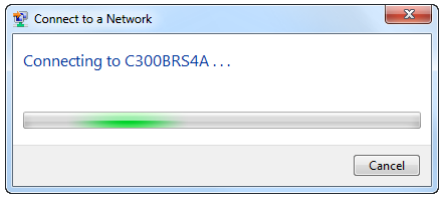
B Sélectionnez le réseau "**C300GBRS4**" dans la liste et cliquez sur "**Connexion**".

Par défaut l'option "**Lancer automatiquement cette connexion**" est sélectionnée. De cette manière la connexion démarrera automatiquement chaque fois que vous allumerez votre ordinateur. Si vous ne le souhaitez pas, vous pouvez désactiver cette option avant de cliquer sur "**Connexion**".

C Entrez la phrase code WPA par défaut (indiquée sous le routeur sans fil) dans le champ "**Clé de Sécurité**" et cliquez sur "**Connexion**".



D Le client commencera alors à vous connecter au réseau sans fil.

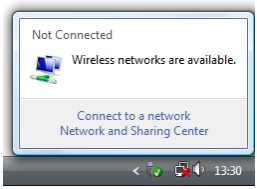


E Pour vérifier l'état de la connexion sans fil, vous pouvez cliquer sur l'Icône "**Réseau**" dans la barre de tâches. Vous pouvez y voir sur quel réseau vous êtes actuellement connecté, l'accès dont vous disposez et la force du signal de la connexion.

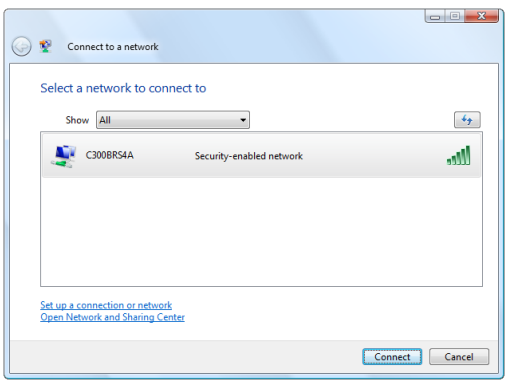
6.2 Connexion manuelle sur Windows Vista

Dans l'exemple suivant, l'option intégrée "**Connexion à un Réseau**" dans Windows Vista avec Service Pack 1 est utilisée.

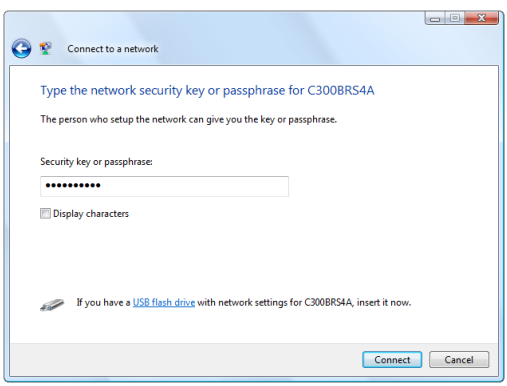
A Cliquez sur l'icône Réseau de votre plateau système et cliquez sur "**Des réseaux sans fil sont disponibles**".



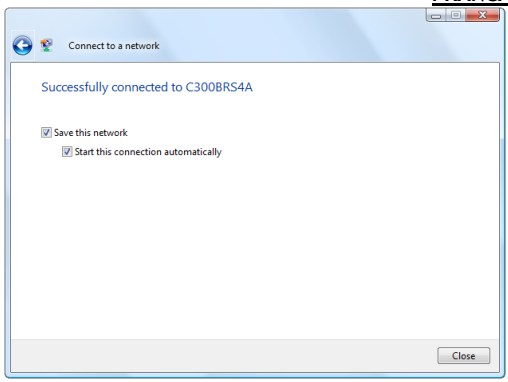
B Sélectionnez le réseau "**C300GBRS4**" dans la liste et cliquez sur "**Connexion**".



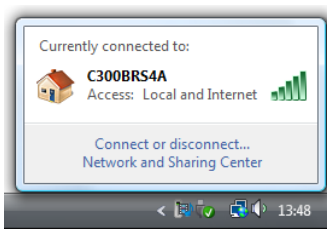
C Entrez la phrase code WPA par défaut (indiquée sous le C300BRS4A) dans le champ "**Clé de sécurité ou mot de passe**" et cliquez sur "**Connexion**".



D Lorsque la connexion est établie, vous pouvez choisir d'enregistrer le réseau et de le faire démarrer automatiquement chaque fois que votre ordinateur est allumé. Cliquez sur "**Fermer**" pour sortir de l'assistant de configuration.



E Pour vérifier l'état de la connexion sans fil, vous pouvez cliquer sur l'icône de **Réseau** dans le plateau système. Vous pouvez y voir sur quel réseau vous êtes actuellement connecté, l'accès dont vous disposez et la force du signal de la connexion.



6.3 Connexion automatique avec WPS

Le routeur sans fil de Conceptronic supporte WPS (Configuration de Wi-Fi Protégée). WPS est une norme pour paramétrer facilement et sécuriser un réseau sans fil. Avec WPS vous pouvez paramétrer et protéger votre réseau sans fil en quelques petits clics seulement.

Remarque : Pour utiliser WPS avec le routeur sans fil, vous devez disposer d'un client sans fil qui supporte WPS. Si vous disposez d'un ou de plusieurs clients sans fil sans support WPS, nous vous conseillons de vous connecter manuellement au routeur sans fil à l'aide de la clé WPA configurée à l'avance, comme indiqué sous l'appareil. Consultez le **chapitre 6.1** ou **6.2** pour savoir comment vous connecter manuellement au réseau sans fil.

Remarque : Pour plus d'informations (techniques) sur WPS, vous pouvez consulter le site web suivant : http://en.wikipedia.org/wiki/Wi-Fi_Protected_Setup

Avec la technologie de Bouton-poussoir WPS, vous pouvez connecter votre routeur sans fil à un client en appuyant sur un bouton sur chaque appareil.

La technologie de Bouton WPS nécessite un bouton (virtuel) sur votre client sans fil pour établir une connexion entre le routeur sans fil et votre client sans fil.
Certains clients sans fil travaillent avec un bouton réel pour activer la technologie de Bouton de SPW ; certains clients sans fil utilisent un bouton virtuel dans leur software.

Procédez comme indiqué ci-après pour activer et définir une connexion WPS avec la technologie Bouton :

A. Appuyez sur le bouton WPS à l'arrière du routeur sans fil, la LED WPS commence à clignoter pour indiquer que l'authentification WPS a commencé.

B. Appuyez sur le bouton WPS de votre client sans fil. Il peut s'agit d'un bouton de hardware ou d'un bouton virtuel dans le software de votre client sans fil.

Remarque : Le routeur sans fil laisse l'authentification WPS active pendant 120 secondes. Pendant ce processus, la LED WPS clignote. S'il n'y a pas de connexion pendant ces 120 secondes, la LED s'éteint et le processus d'authentification WPS s'arrête.

Si l'authentification du client sans fil est réussie, la LED WPS s'éteint.

Le client sans fil est à présent connecté sur le réseau sans fil sécurisé du routeur sans fil.
Vous pouvez ajouter d'autres clients sans fil WPS sans perdre la connexion aux clients sans fil WPS précédents. Si vous souhaitez ajouter d'autres clients sans fil, vous devez reprendre les étapes **A** et **B.**

7. Redirection de Port

Le routeur sans fil de Conceptronic est équipé d'un pare-feu intégré pour empêcher les attaques d'Internet dans votre réseau. Ce pare-feu bloque automatiquement tout le trafic entrant de ports non utilisés. Si vous avez besoin d'un port bloqué pour un service ou une application (par exemple : un site FTP ou un serveur Web), vous pouvez créer une Règle de Serveur Virtuel sur les pages de configuration pour rediriger le trafic.

Ce routeur sans fil support également la redirection de port UPnP et permet aux applications UPnP d'ajouter automatiquement des redirections de port à la configuration du routeur. Cela signifie que si vous utilisez une application qui support UPnP, il n'est pas nécessaire de créer une Règle de Serveur Virtuel dans le routeur sans fil pour cette application.

Si UPnP n'est pas disponible ou si une règle de Serveur Virtuel doit être ajoutée pour un autre motif, nous vous conseillons de configurer le(s) ordinateur(s) et/ou un(des) dispositif(s) de réseau avec une adresse IP fixe au lieu d'une adresse IP dynamique.

Vous trouverez ci-après une liste des ports les plus couramment utilisés et leur application correspondante:

Port	Application	Port	Application
20	données FTP (serveur FTP)	**80**	HTTP (serveur Web)
21	données FTP (serveur FTP)	**110**	POP3 (Serveur courrier - entrant)
22	SSH (Coquille sécurité)	**2000**	À distance N'importe où
23	Telnet	**5800**	VNC
25	SMTP (Serveur courrier - sortant)	**5900**	VNC

Pour connaître les détails sur d'autres ports et leurs applications correspondantes, veuillez consulter le site suivant : http://portforward.com/cports.htm.

Remarque : Pour plus d'explications sur la redirection de ports et les options DMZ, veuillez consulter le Manuel d'utilisateur version longue (en anglais uniquement) présent sur le Cd-Rom du Produit.

Le routeur sans fil peut régler plusieurs types de règles de redirection de ports :

- **Redirection de Port Unique**

  Avec "**Single Port Forwarding**", vous pouvez ouvrir des ports uniques pour les applications qui ont besoin d'un port unique pour fonctionner, comme un serveur Web ou un serveur FTP.

- **Redirection d'une Plage de Ports**

  Avec "**Port Rage Forwarding**" [*Redistribution de Plage de Ports*], vous pouvez ouvrir plusieurs ports pour des applications qui nécessitent des ports multiples dans une plage pour fonctionner, comme les softwares peer-to-peer et certains jeux avec une fonction de joueurs multiples en-ligne.

Pour redistribuer les ports, vous devez d'abord entrer dans l'interface web du routeur :

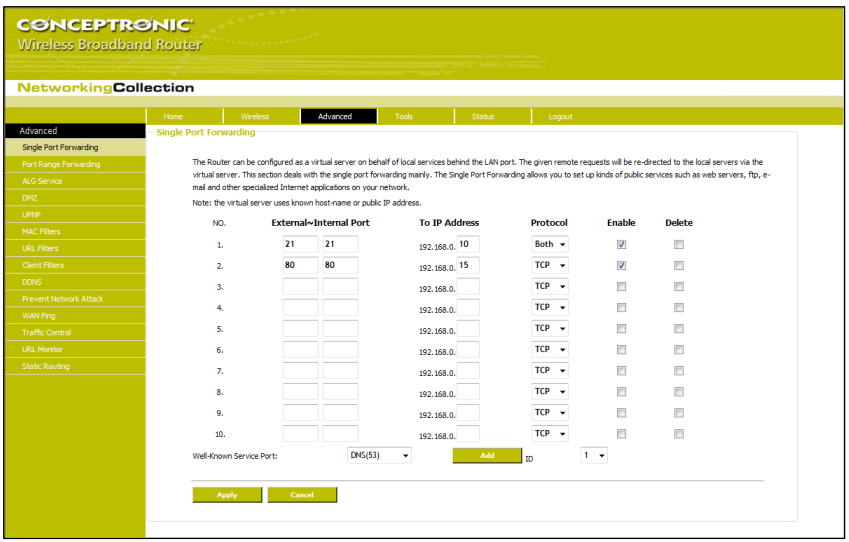
- La connexion à la configuration web est décrite au **chapitre 5.1.**
- Sélectionnez "**Advanced**" dans le menu de navigation de la partie supérieure. Vous verrez s'afficher la barre de menu avancé sur la gauche.

FRANÇAIS

Redirection de Port Unique

- Sélectionnez "**Single Port Forwarding**" dans la barre de menu avancé à gauche.

La configuration "**Single Port Forwarding**" s'affiche à l'écran :



Remarque : L'image ci-après vous présente un exemple de quelques règles de redirection de ports.

Vous pouvez définir jusqu'à 10 règles de redirection de port unique dans le routeur sans fil.

- Indiquez les informations souhaitées pour la redirection du port dans les champs suivants :
  - **External Port [*Port Externe*]** : Entrez le port ou la gamme de ports qui doit être visible à l'extérieur de votre connexion internet.
  - **Internal Port *[Port Interne]*** : Indiquez le port local souhaité pour l'ordinateur/appareil.
  - **IP Address *[Adresse IP]*** : Indiquez l'adresse IP locale pour l'ordinateur/appareil.
  - **Protocole** : Sélectionnez le type de trafic de réseau par lequel vous voulez passer.
  - **Enable *[Activer]*** : Activer ou désactiver la règle configurée.
  - **Delete *[Éliminer]*** : Effacer la règle configurée.

Remarque : Si vous ne savez pas de quel protocole (**"Type"**) vous avez besoin pour votre règle de serveur virtuel, sélectionnez "**Both**". Cette option passera les deux trafics, TCP et UDP à l'adresse IP configurée.

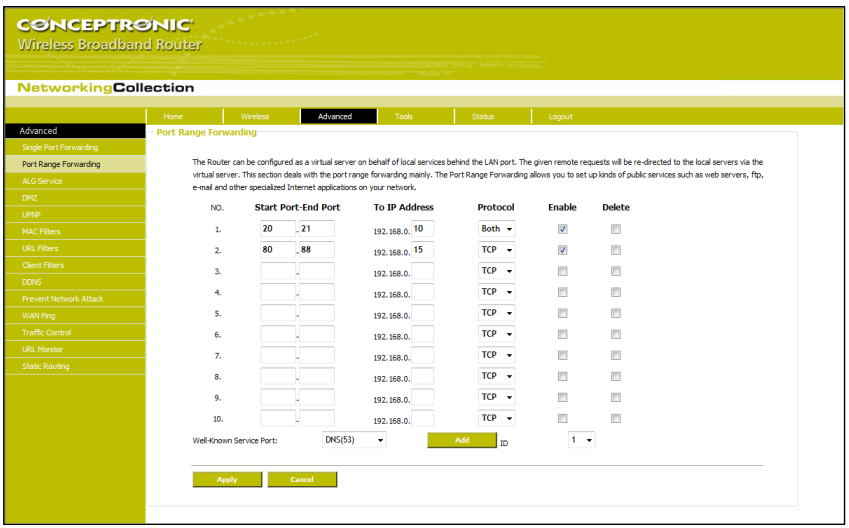
Lorsque vous avez défini les règles, cliquez sur "**Apply**" pour enregistrer la configuration de redirection de ports.

Remarque : Pour vous assurer que les règles configurées fonctionneront correctement, nous vous conseillons de redémarrer votre routeur après avoir configuré les règles de redirection de ports.

Redirection d'une Plage de Ports

- Sélectionnez "**Port Range Forwarding**" dans la barre de menu avancé à gauche.

La configuration "**Port Range Forwarding**" s'affiche à l'écran :



Remarque : L'image ci-après vous présente un exemple de quelques règles de redirection de ports.

Vous pouvez définir jusqu'à 10 règles de redirection de port unique dans le routeur sans fil.

- Indiquez les informations souhaitées pour la redirection du port dans les champs suivants :
  - **Start Port *[Port de Démarrage]*** : Indiquez le premier port de la plage que vous avez besoin de rediriger vers votre ordinateur.
  - **End Port *[Port de Fin]*** : Indiquez le dernier port de la plage que vous avez besoin de rediriger vers votre ordinateur.
  - **IP Address *[Adresse IP]*** : Indiquez l'adresse IP locale pour l'ordinateur/appareil.
  - **Protocole** : Sélectionnez le type de trafic de réseau par lequel vous voulez passer.
  - **Enable *[Activer]*** : Activer ou désactiver la règle configurée.
  - **Delete *[Éliminer]*** : Effacer la règle configurée.

Remarque : Si vous ne savez pas de quel protocole (**"Type")** vous avez besoin pour votre règle de serveur virtuel, sélectionnez "**Both**". Cette option passera les deux trafics, TCP et UDP à l'adresse IP configurée.

Lorsque vous avez défini les règles, cliquez sur "**Apply**" pour enregistrer la configuration de redirection de ports.

Remarque : Pour vous assurer que les règles configurées fonctionneront correctement, nous vous conseillons de redémarrer votre routeur après avoir configuré les règles de redirection de ports.

Lorsque le routeur a redémarré, tous les réglages entrent en application et les règles de serveur virtuel seront appliquées.

Les règles de redirection de port définies sont prêtes à fonctionner !

Remarque : Pour plus d'explications concernant les fonctions et les paramètres du C300GBRS4, veuillez consulter le Manuel d'utilisateur version longue (en anglais uniquement) présent sur le Cd-Rom de produit.

Conceptronic C300BRS4A versione 2.0

Manuale d'uso

Complimenti per aver acquistato il router wireless di Conceptronic

Il presente manuale illustra passo dopo passo come installare e utilizzare il router wireless di Conceptronic.

Per ulteriori informazioni o assistenza relativamente al prodotto, consultare il sito **Service & Support** all'indirizzo **www.conceptronic.net/support**, selezionando una delle seguenti opzioni:

- **FAQ** : Archivio delle risposte alle domande più frequenti
- **Download** : Manuali, driver, firmware e altri prodotti scaricabili
- **Contact** : Contatta il servizio di assistenza Conceptronic

Per ricevere informazioni generali sui prodotti Conceptronic, visitare il sito Web di Conceptronic all'indirizzo **www.conceptronic.net**.

Le informazioni contenute in questo manuale si riferiscono a Windows 7 e Vista, e possono variare in maniera significativa in computer in cui sia installato un sistema operativo differente.

Nota: Il presente manuale d'uso illustra unicamente le operazioni basilari per installare e far funzionare il router wireless. Per maggiori informazioni sulle varie funzioni del router wireless, si rinvia alla consultazione del manuale d'uso dettagliato (solo in inglese) nel CD-ROM allegato al prodotto.

Indice

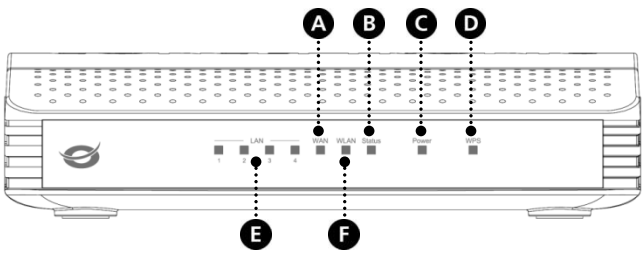
1. Contenuto della confezione

La confezione del router wireless di Conceptronic contiene le seguenti unità:

- Router wireless di Conceptronic (C300BRS4A v2.0)
- 2 antenne per router wireless
- Alimentazione elettrica da 9V DC, 1A
- Cavo di rete (LAN)
- CD-ROM del prodotto
- Il presente manuale d'installazione rapida multilingue
- Certificato di garanzia e libretto dichiarazione di conformità CE

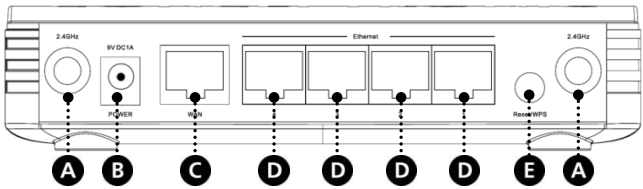
2. Descrizione del router wireless

2.1 Pannello frontale



N	Descrizione	Stato	Illustrazione dello stato
A	LED WAN	**OFF**	La porta WAN è scollegata
		ON - FISSO	La porta WAN è collegata
		ON - LAMPEGGIANTE	Attività della porta WAN (invio/ricezione dati)
B	LED di stato	**OFF**	Il dispositivo è spento
		ON - LAMPEGGIANTE	Il dispositivo è accesso e pronto per essere usato
C	LED di accensione	**OFF**	Il dispositivo è spento
		ON	Il dispositivo è acceso
D	LED WPS	**OFF**	La funzione WPS wireless non è attiva
		ON - LAMPEGGIANTE	La funzione WPS wireless sta accettando le connessioni WPS
E	LED LAN (1, 2, 3, 4)	**OFF**	La porta LAN non è connessa
		ON - FISSO	La porta LAN è connessa
		ON - LAMPEGGIANTE	Attività della porta LAN (invio/ricezione dati)
F	LED WLAN	**OFF**	La rete wireless non è attiva
		ON - LAMPEGGIANTE	Attività della rete wireless (invio/ricezione dati)

2.2 Pannello posteriore



N	Descrizione	Illustrazione
A	**Antenne wireless (2)**	Due antenne fisse per trasmissione radio wireless
B	**Connessione elettrica**	Collega l'alimentazione elettrica al router
C	**Porta WAN**	Collega la connessione a banda larga al router
D	**Porte LAN (1 – 4)**	Collega uno o più computer o dispositivi di rete al router
E	**Tasto ripristino/WPS**	Attiva la funzione WPS (premendo brevemente) o esegue un ripristino (se tenuto premuto)

3. Collegamento dei cavi

Collegare l'alimentazione elettrica alla presa elettrica presente sul retro del router wireless e a una presa a muro disponibile. Il LED di accensione posto sul lato frontale del router wireless si accenderà.

3.1 Porta WAN

Utilizzare un cavo di rete (LAN) per collegare il router wireless al modem a banda larga.
Il LED WAN sul lato frontale del router wireless si accenderà.

Nota: Se il LED WAN posto sul lato frontale non si illumina, verificare che:
- Il router wireless sia acceso (Il LED di accensione dovrebbe illuminarsi).
- Il modem a banda larga sia acceso.
- Il cavo di rete (LAN) che collega i due dispositivi sia correttamente installato.

3.2 Porta(e) LAN

Collegare il cavo di rete (LAN) a una delle quattro porte LAN poste sul pannello posteriore del router wireless e alla scheda di rete del computer.
Il LED LAN della porta LAN utilizzata si illuminerà per indicare che il computer è connesso (Il computer deve essere acceso e la connessione LAN attiva).

4. Configurazione del computer

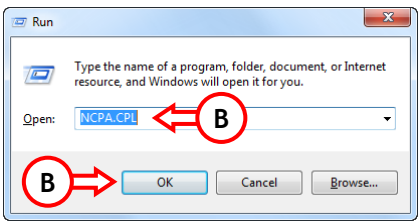
4.1 Configurazione dell'indirizzo IP

Il router wireless è dotato di un server interno DHCP. Il server DHCP assegnerà automaticamente un indirizzo IP a ogni computer connesso se il computer collegato è configurato per rilevare automaticamente un indirizzo IP.

La maggior parte dei computer sono configurati in maniera predefinita per ottenere automaticamente un indirizzo IP. In caso contrario, sarà necessario configurare il computer per ottenere un indirizzo IP in maniera automatica seguendo le istruzioni sotto riportate.

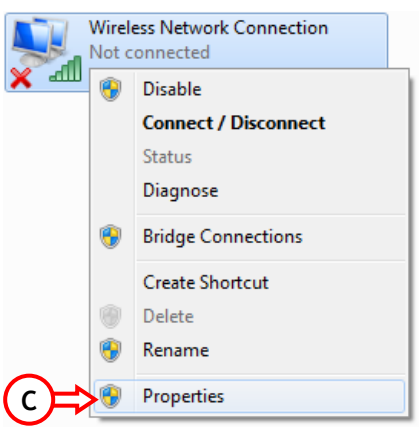
A. Cliccare su "Avvia" ('**Start**'), andare su "Programmi" ('**All Programs**'), "Accessori" ('**Accessories**'), e selezionare "Esegui" ('**Run**').

B. Inserire il comando '**NCPA.CPL**' e cliccare su '**OK**'.



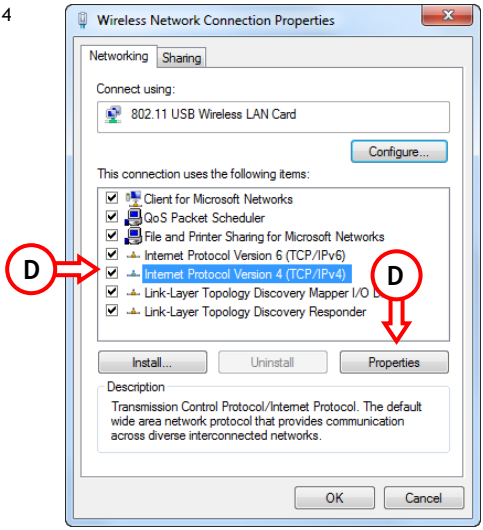
Verrà visualizzata la finestra "Connessioni di rete" ("**Network Connections**").

C. Fare clic col tasto destro su "Connessione alla rete locale" ('**Local Area Connection**') o "Connessione rete senza fili" ('**Wireless Network Connection**') (in base alla connessione utilizzata) e selezionare "Proprietà" ('**Properties**').



Verrà visualizzata la finestra delle proprietà della connessione alla rete locale o della connessione alla rete wireless.

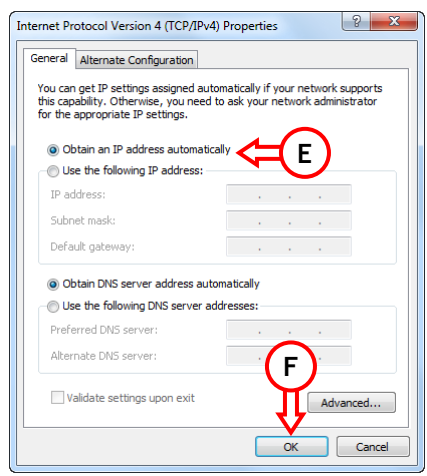
D. Selezionare “Protocollo Internet Versione 4 (TCP/IPv4) (‘**Internet Protocol Version 4 (TCP/IPv4)**’) e fare clic su “Proprietà” (‘**Properties**’).



Verrà visualizzata la finestra delle proprietà del protocollo Internet versione 4 (TCP/IPv4).

E. Impostare le proprietà su “Ottieni un indirizzo IP in maniera automatica” (‘**Obtain an IP address automatically**’) e fare clic su ‘**OK**’ per salvare le impostazioni.

F. Fare clic su ‘**OK**’ nella finestra delle proprietà del protocollo Internet versione 4 (TCP/IPv4) per salvare le impostazioni.



4.2 Verifica della connessione

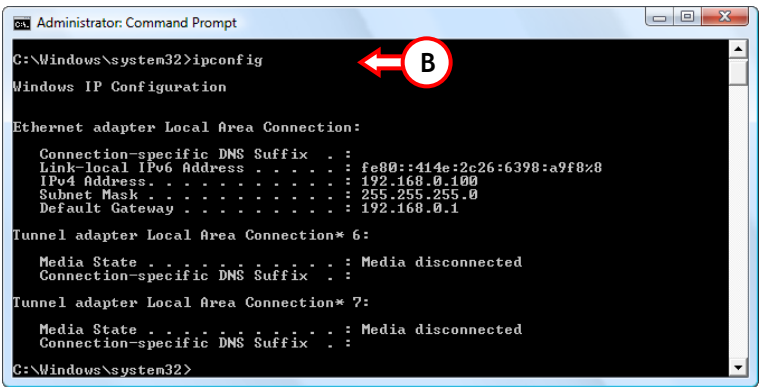
Il "Prompt dei comandi" ('**Command Prompt**') di Windows consente di verificare se è stato ottenuto un indirizzo IP corretto nella connessione alla rete locale o nella connessione alla rete wireless. L'esempio sotto riportato si riferisce a Windows 7 e Vista con Service Pack 1. Per eseguire le istruzioni sotto riportate in Windows 7 e Vista, è necessario disporre dei requisiti di amministratore, così come di seguito illustrato.

A. Cliccare su '**Avvia**','**Programmi**','**Accessori**', fare clic col tasto desto su '**Prompt dei Comandi**' e selezionare la funzione 'Esegui come amministratore' ('**Run as administrator**').

Il sistema potrebbe visualizzare un messaggio di avvertimento che è necessario accettare cliccando su 'Continua'('**Continue**') o "Sì" ('**Yes**').

Verrà visualizzata la finestra del prompt dei comandi. Accertarsi che la barra del titolo **"Prompt dei comandi"** rechi la scritta "Amministratore: Prompt dei comandi" (**"Administrator: Command Prompt"**). Se la scritta "Amministratore" (**"Administrator"**) non è presente, significa che non si dispongono dei requisiti necessari di amministratore per andare avanti. In tal caso è necessario ripetere la procedura illustrata nel **punto A**.

B. Inserire il commando '**IPCONFIG**' e premere "INVIO" ('**ENTER**') sulla tastiera.



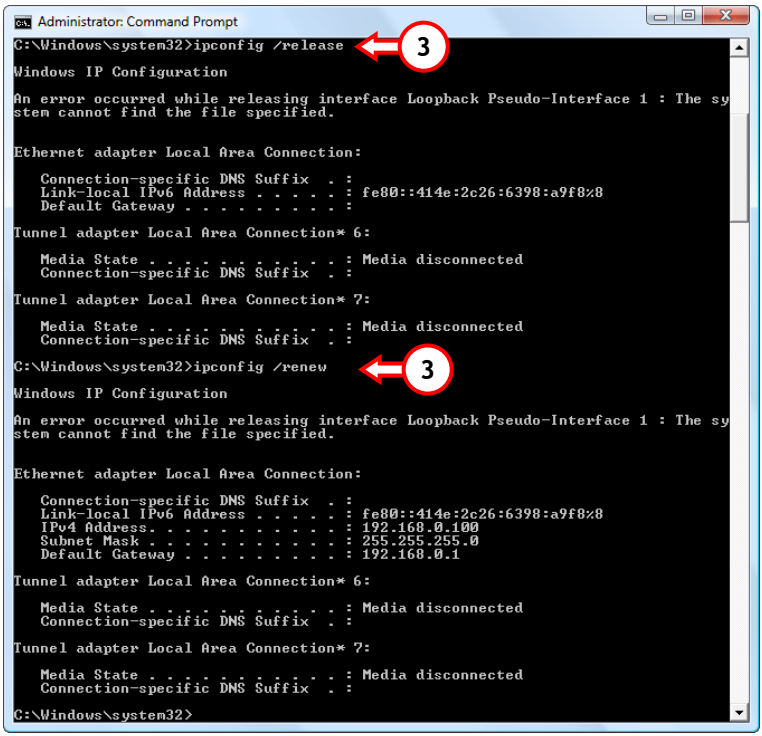
Il sistema dovrebbe visualizzare le seguenti informazioni:
Indirizzo IPv4 **: 192.168.0.xxx** (in cui **xxx** può assumere valori compresi tra **100 ~ 199**).
Maschera di sottorete **: 255.255.255.0**
Gateway predefinito **: 192.168.0.1**

Se le informazioni sopra riportate corrispondono alla configurazione del proprio computer, è possibile proseguire configurando il router come illustrato nel **capitolo 5**.

Nel caso in cui dette informazioni non corrispondessero alla configurazione del proprio computer (per es. l'indirizzo IP è 169.254.xxx.xxx), è necessario proseguire come di seguito illustrato:

1. Scollegare e ricollegare l'alimentazione elettrica del router.

2. Scollegare e ricollegare il cavo di rete al router e al computer.
3. Aggiornare l'indirizzo IP del computer eseguendo i comandi sotto riportati:
   - '**IPCONFIG /RELEASE**' : verrà rilasciato l'indirizzo IP scorretto
   - '**IPCONFIG /RENEW**' : verrà aggiornato l'indirizzo IP



Se le istruzioni sopra riportate non consentono di risolvere il problema dell'indirizzo IP, è possibile riconfigurare il dispositivo riportandolo alle impostazioni predefinite tramite il pulsante di ripristino/WPS posto sul retro del dispositivo.
Tenere premuto il pulsante di ripristino/WPS fino a che il LED di stato si spegne (circa 15 secondi). Ciò consentirà di riavviare il router e caricare le impostazioni predefinite nel router stesso. Non appena il LED di accensione diventa di nuovo fisso, è necessario ripetere le istruzioni del **punto B** per aggiornare l'indirizzo IP.

Nota: Se il problema persiste, verificare che tutti i cavi siano collegati in maniera corretta. La porta WAN va connessa al modem e la porta LAN al computer. Se queste ultime sono collegate in maniera sbagliata, anche l'indirizzo IP potrebbe risultare errato.

5. Configurazione del router wireless

Questo capitolo descrive come configurare il router wireless utilizzando la procedura d'installazione prevista. Dopo aver eseguito le operazioni riportate in questa sezione, il router sarà pronto per svolgere le funzioni di base.

5.1 Registrazione

Per configurare il router wireless si utilizza un'interfaccia Web. È pertanto possibile configurare il router wireless da qualsiasi computer in cui sia presente un browser Web connesso al router wireless.

Nota: Si raccomanda di non utilizzare una connessione senza fili per configurare il router wireless, in quanto la connessione potrebbe saltare mentre si regolano alcune impostazioni. Si consiglia pertanto di utilizzare un computer che sia connesso al router wireless tramite cavo di rete.

Per collegarsi al router wireless, seguire le seguenti istruzioni:

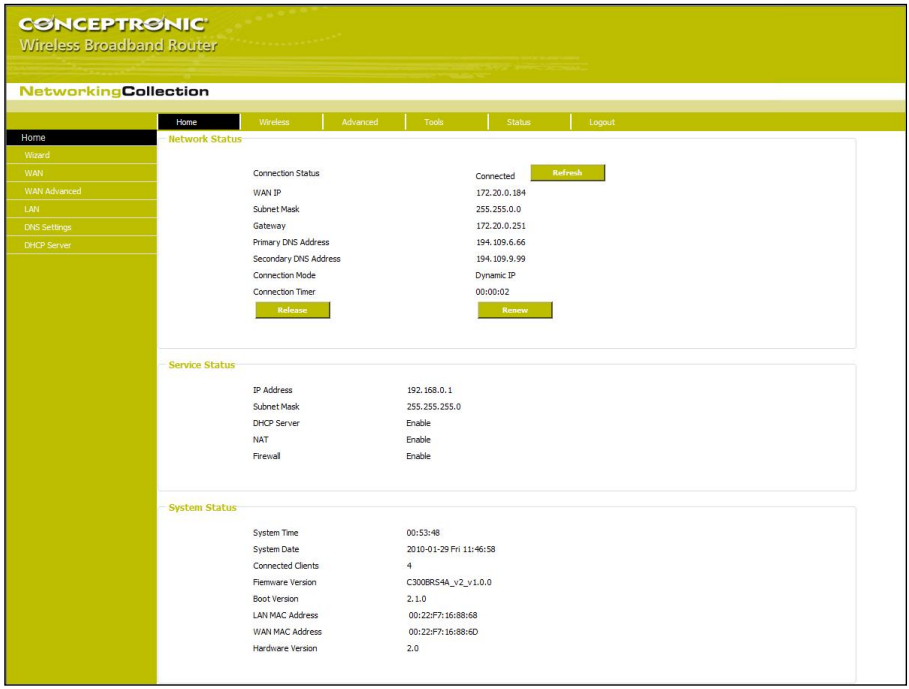
A. Avviare il browser Web (per es.: Internet Explorer, Firefox, Safari o Chrome).

B. Inserire l'indirizzo IP del router nella barra degli indirizzi del browser Web.
Predefinito : **http://192.168.0.1/**

Verrà visualizzata una finestra di login in cui è necessario inserire il nome utente e la password.

C. Inserire il nome utente e la password e cliccare su '**OK**' per entrare nella configurazione Web.
Nome utente predefinito : **admin**
Password predefinita : **admin**

Se il nome utente e la password sono corretti, il router wireless visualizzerà la pagina principale che mostra lo stato del router wireless:



Dalla pagina principale, è possibile controllare lo stato della connessione Internet, lo stato del sistema, la versione firmware e i servizi attivati.

Nota: Il router wireless è configurato in maniera predefinita per lavorare con indirizzi IP dinamici forniti dal provider Internet. Si tratta di un'impostazione comunemente utilizzata per far sì che il router wireless possa lavorare in molti casi anche "out-of-the-box".

Il router wireless è criptato in maniera predefinita per evitare che utenti non autorizzati si colleghino alla rete wireless. La chiave di criptaggio predefinita è presente sul retro del router wireless.

5.2 Procedura d'installazione guidata

É possibile configurare il router wireless mediante la procedura di installazione guidata prevista. Tale procedura consentirà di configurare le impostazioni basilari del router wireless illustrando passo dopo passo ciascun'operazione.

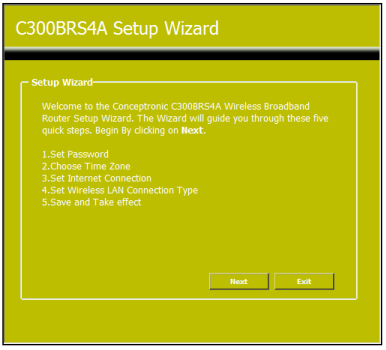
Note: Prima di avviare la procedura guidata, accertarsi di disporre di tutte le informazioni sulla connessione Internet a disposizione. Per esempio: tipo di connessione, informazioni relative all'account, ecc.

Nota: Nel corso di questo capitolo, occorre sempre tener presente che: nel caso in cui non si sappia quale opzione selezionare o non si abbiano a disposizione le informazioni necessarie, è necessario consultare la documentazione relativa alla connessione Internet impiegata o, in alternativa, contattare il proprio fornitore di servizi Internet (di seguito denominato "ISP").

A. Fare clic su "Procedura d'installazione guidata" ('**Wizard**') nel menu a sinistra della pagina principale.

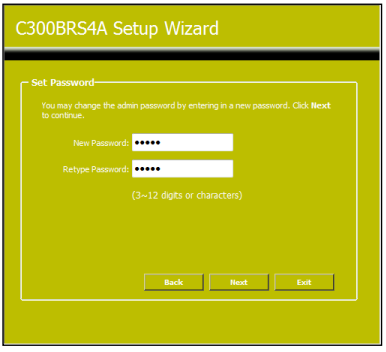
B. Fare clic su "Avanti" ('**Next**') per avviare la procedura. Il sistema visualizzerà a schermo il popup con la procedura guidata:

C. La finestra di benvenuto elenca cinque passi della procedura guidata. Fare clic su **"Avanti"** per proseguire.



D. Si consiglia di impostare a questo punto una password admin. Inserire la nuova password e ridigitarla per conferma.

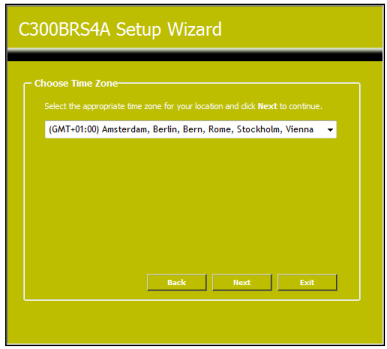
Ultimata l'operazione, fare clic su "Avanti".



E. Per esigenze di gestione del sistema, è indispensabile impostare correttamente l'ora per ottenere orari e date corrette nei log di sistema.

Selezionare il fuso orario corretto nel prossimo step.

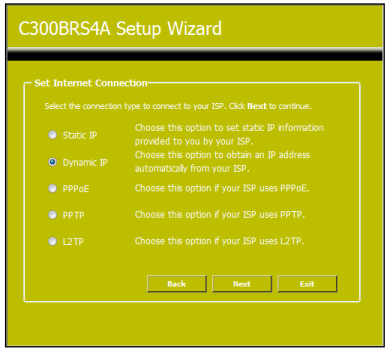
Ultimata l'operazione, fare clic su "Avanti".



F. Selezionare la modalità di connessione Internet che corrisponde alle impostazioni del provider.

Se non si conosce la soluzione più appropriata per la propria connessione Internet, verificare la documentazione del provider o contattare l'helpdesk del provider.

Ultimata l'operazione, fare clic su "Avanti".



Connessione - IP statico

G. Se il provider richiede una connessione IP statica, selezionare l'opzione "IP statico" (**"Static IP"**).

Inserire le informazioni richieste:

- *Indirizzo IP*
- *Maschera di sottorete*
- *Indirizzo Gateway ISP*
- *DNS primario*
- *DNS secondario (opzionale)*

Ultimata l'operazione, fare clic su "Avanti".

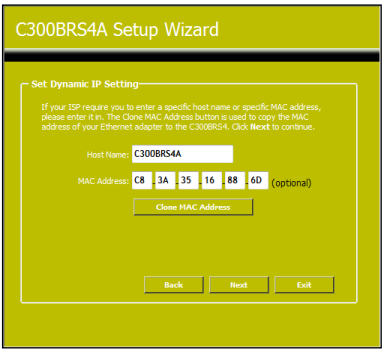
H. Se il provider richiede una connessione IP dinamica, selezionare l'opzione "IP dinamico" ("**Dynamic IP**").

Alcuni provider richiedono un nome utente specifico per le connessioni. In tal caso, inserire il nome utente in questo campo.

Alcuni provider consentono a un solo indirizzo MAC specifico di connettersi ad Internet. Se la scheda di rete del proprio PC necessita di un indirizzo MAC specifico, premere il pulsante "Clona Indirizzo MAC" ("**Clone MAC Address**") oppure inserire manualmente l'indirizzo MAC.

Ultimata l'operazione, fare clic su "Avanti".

Connessione - IP dinamico



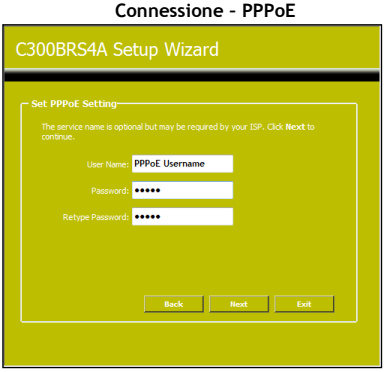
I. Se il provider richiede una connessione PPPoE, selezionare l'opzione "**PPPoE**".

Inserire le informazioni richieste:

- *Nome utente*
- *Password*
- *Immettere nuovamente la password*

Ultimata l'operazione, fare clic su "Avanti".

Connessione - PPPoE



J. Se il provider richiede una connessione PPTP, selezionare l'opzione **"PPTP"**.

Inserire le informazioni richieste:

- *IP Server*
- *Account PPTP*
- *Password PPTP*
- *Immettere nuovamente la password*

Ultimata l'operazione, fare clic su "Avanti".

Connessione - PPTP

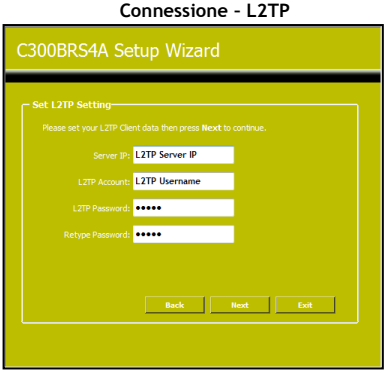
K. Se il provider richiede una connessione L2TP, selezionare l'opzione **"L2TP"**.

Inserire le informazioni richieste:

- *IP Server*
- *Account L2TP*
- *Password L2TP*
- *Immettere nuovamente la password*

Ultimata l'operazione, fare clic su "Avanti".

Connessione - L2TP

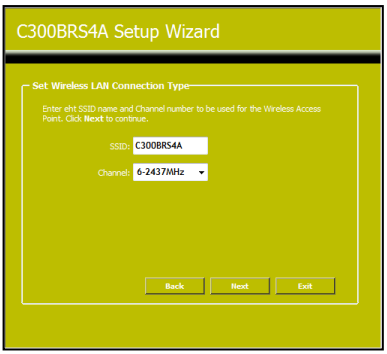


Una volta completata la configurazione WAN, la procedura guidata continuerà con la configurazione wireless:

L. É possibile cambiare il SSID del router. Il SSID corrisponde al nome che sarà trasmesso attraverso la parte wireless.

È possibile modificare i canali, scegliendo dall'1 al **13**. In caso di connessione lenta o interruzioni, è possibile che vi sia un altro punto di accesso nell'area che interferisce con il canale wireless. In tal caso, provare con un altro canale.

Ultimata l'operazione, fare clic su "Avanti".



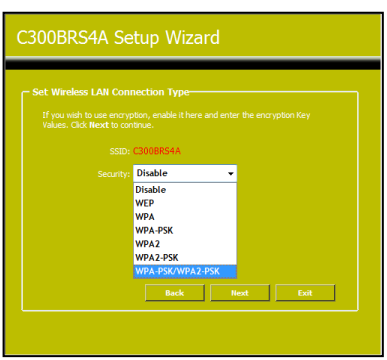
É possibile proteggere la connessione wireless con il sistema di criptaggio. Il router wireless è reso sicuro in maniera predefinita dal sistema di criptaggo a modalità mista WPA-PSK/WPA2-PSK. La chiave di criptaggio predefinita è presente sul retro del router.

Nota: Tutte le opzioni di sicurezza della procedura guidata di installazione sono descritte nel dettaglio, ma è consigliabile proteggere la propria rete con la protezione "**WPA-PSK/WPA2-PSK**" se i client non supportano il WPS. Si tratta del livello di protezione più alto WPA2, compatibile con le versioni precedenti unicamente di client WPA.

Nota: Si consiglia di ricordare, anche annotandole, le informazioni di sicurezza inserite. Potrebbero essere necessarie se s'intende configurare un client wireless per collegarlo al router wireless!

M. Selezionare un livello di sicurezza per la propria rete wireless.

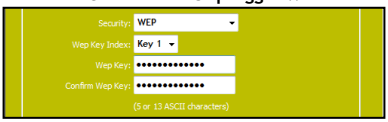
Scegliendo un livello di sicurezza, la procedura guidata mostrerà i campi da riempire con le informazioni necessarie.



N. Se s'intende proteggere la propria rete con il sistema di criptaggio WEP, selezionare "**WEP**" dal menu a tendina. Inserire la chiave WEP in formato ASCII (ingresso: A-Z, 0-9).

Nota: La procedura guidata consente di configurare unicamente WEP 64Bits.

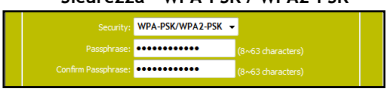
Sicurezza - Criptaggio WEP



O. Se s'intende proteggere la propria rete con il sistema WPA-PSK o WPA2-PSK, selezionare "**WPA-PSK**", "**WPA2-PSK**" o "**WPA-PSK/WPA2-PSK**" dal menu a tendina.

Inserire la password per il criptaggio e confermare la password nel secondo campo.

Sicurezza - WPA-PSK / WPA2-PSK



P. Una volta configurate tutte le impostazioni wireless, fare clic su "**Avanti**" per continuare.

Q. La procedura d'installazione guidata è stata completata. Per applicare le proprie impostazioni, fare clic su " Salva e Attiva" ("**Save & Take Effect**").

Se si vogliono modificare le impostazioni, fare clic su "Indietro" ("**Back**") per tornare alla schermata precedente.

Se s'intende chiudere la procedura d'installazione guidata senza salvare le modifiche, cliccare su "Esci"("**Exit**").

Selezionando l'opzione "**Salva e Attiva**", il router applicherà le impostazioni configurate e si riavvierà. Attendere finché il sistema non visualizza il messaggio "Configurazione della procedura d'installazione guidata ultimata" ("**Setup Wizard configuration is complete**").

R. Fare clic su "**OK**" per uscire dalla procedura d'installazione guidata.

Il router wireless è pronto per essere usato!

6. Connessione alla rete wireless

Ci sono due diverse modalità per collegare senza fili il router wireless:

- Manualmente.
- Automaticamente, utilizzando la funzione WPS.

! IMPORTANTE !

Il router wireless è reso sicuro in maniera predefinita dal sistema di criptaggio WPA-PSK/WPA2-PSK (modalità mista). L'unica password WPA si trova sull'adesivo del prodotto apposto sul router.

Quasi tutte le schede wireless, a prescindere dal marchio e dal tipo, utilizzano una diversa applicazione client. Si rinvia al manuale della scheda di rete wireless per informazioni su come creare una connessione a una rete senza fili.

6.1 Connessione manuale per Windows 7

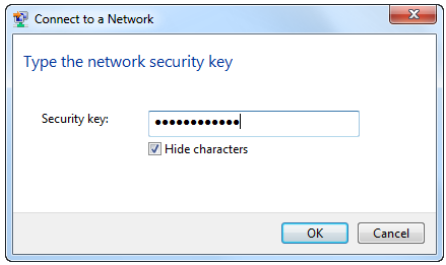
Nel seguente esempio si utilizza l'opzione integrata di Windows 7 **"Connessione a una rete"**. (**"Connect to a Network"**).

A Cliccare sull'icona 'Rete' (**'Network'**) sulla barra delle applicazioni per visualizzare l'elenco delle connessioni di rete senza fili disponibili.

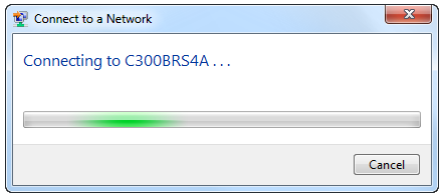
B Selezionare la rete **"C300BRS4A"** dall'elenco e fare clic su **'Connetti'**.

In maniera predefinita, viene selezionata l'opzione "Connetti automaticamente" (**"Connect automatically"**). Ciò consente che la connessione sia lanciata automaticamente all'avvio del computer. Per evitare che ciò avvenga, è possibile deselezionare l'opzione, prima di fare clic su **"Connetti"**.

C Inserire la password WPA predefinita (presente sul retro del router wireless) nel campo “Chiave di sicurezza” (“**Security key**”) e fare clic su ‘**OK**’.



D Il client inizierà a connettersi alla rete wireless.

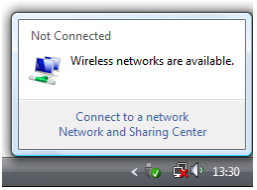


E Per verificare lo stato della connessione senza fili, è possibile cliccare sull’icona ‘**Rete**’ sulla barca delle applicazioni. Sarà possibile vedere a quale rete ci si sta connettendo, il tipo di accesso di cui si dispone, e la forza del segnale della connessione.

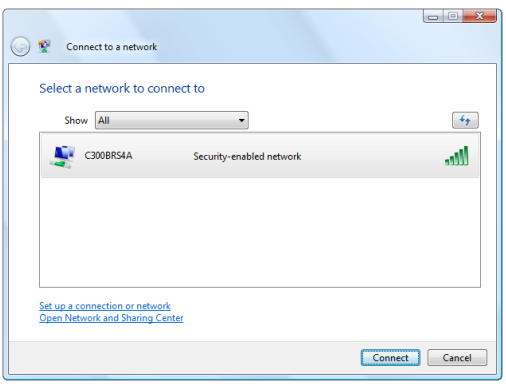
6.2 Connessione manuale per Windows Vista

Nell'esempio che segue viene utilizzata l'opzione integrata "Connessione a una rete" (**"Connect to a Network"**) di Windows Vista con Service Pack 1.

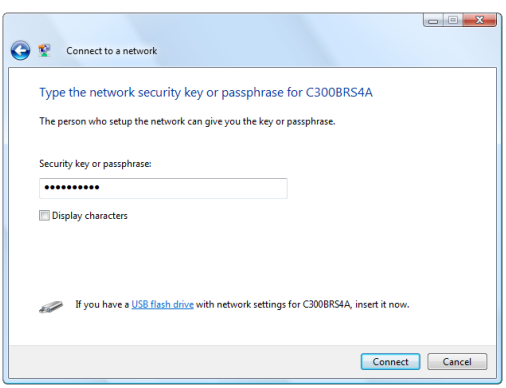
A Cliccare sull'icona **'rete'** sulla barra delle applicazioni e su **"Elenco reti senza fili disponibili"**.



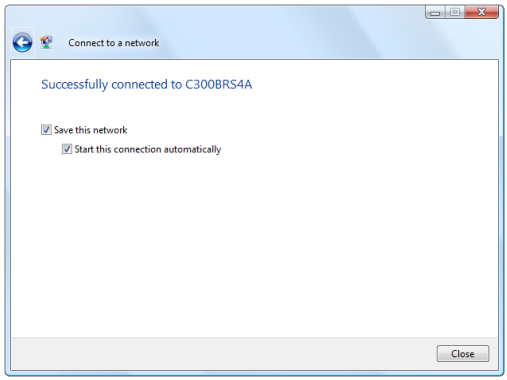
B Selezionare la rete **"C300BRS4A"** dall'elenco e cliccare su **'Connetti'**.



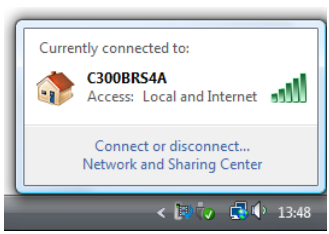
C Inserire la password WPA predefinita (presente sul retro del C300BRS4A) nel campo **"Chiave di sicurezza"** e fare clic su **"Connetti"**.



D Una volta stabilita la connessione, è possibile salvare la rete come predefinita e consentire che si avvii automaticamente all'accensione del computer. Cliccare su '**Chiudi**' ('Close') per uscire dalla procedura guidata.



E Per verificare lo stato della connessione senza fili, è possibile cliccare sull'icona '**Rete**' sulla barra delle applicazioni. Sarà possibile vedere a quale rete ci si sta connettendo, il tipo di accesso di cui si dispone, e la forza del segnale della connessione.



6.3 Connessione automatica con WPS

Il router wireless di Conceptronic supporta il sistema d'installazione protetta WPS (Wi-Fi Protected Setup). Il sistema WPS è uno standard per l'installazione facile e sicura di reti senza fili. Con il sistema WPS è possibile installare e proteggere con poche semplici comandi la rete wireless.

Nota: Per utilizzare il sistema WPS con il router wireless, è necessario disporre di un client wireless che supporti il WPS. Se si dispone di uno o più client wireless sprovvisti di WPS, è consigliabile collegarsi manualmente al C300BRS4A utilizzando la chiave WPA preconfigurata indicata sul retro del router wireless. Consultare la **sezione 6.1** o **6.2** per collegare manualmente la rete wireless.

Nota: Per maggiori informazioni (tecniche) sul WPS, visitare il seguente sito Web: http://en.wikipedia.org/wiki/Wi-Fi_Protected_Setup

Con la tecnologia Push Button WPS,è possibile collegare il router wireless a un client premendo un pulsante su ciascun dispositivo.

La tecnologia Push Button WPS richiede un tasto (virtuale) sul client wireless per stabilire una connessione tra il router wireless e il client wireless.
Alcuni client wireless utilizzano un tasto reale per attivare la tecnologia Push Button WPS; altri client wireless utilizzano un tasto virtuale nel loro software.

Seguire le istruzioni sotto riportate per attivare e stabilire una connessione WPS con la tecnologia Push Button:

A. Premendo il tasto WPS sul retro del router wireless, il LED WPS comincerà a lampeggiare indicando che l'autenticazione WPS è stata avviata.

B. Premere il tasto WPS sul client wireless. Può trattarsi sia di un tasto hardware sia di un tasto virtuale nel software del client wireless.

Nota: Il router wireless manterrà l'autenticazione WPS attiva per 120 secondi. Durante questo processo, il LED WPS comincerà a lampeggiare. Se la connessione WPS non viene stabilita entro 120 secondi, il LED si spegnerà e l'autenticazione si interromperà.

Se l'autenticazione WPS è avvenuta con successo, il LED WPS si spegnerà.

Il client wireless è ora connesso alla rete wireless protetta del router wireless.
É possibile aggiungere altri client wireless, senza perdere la connessione in precedenza creata per altri client. Per aggiungere ulteriori client wireless, ripetere le istruzioni della sezione **A** e **B**.

7. Inoltro delle porte

Il router wireless Conceptronic è dotato di un firewall integrato per prevenire attacchi da Internet verso la rete. Detto firewall blocca automaticamente tutto il traffico in entrata su porte non utilizzate. Quando una porta bloccata è richiesta per un servizio o un'applicazione (per esempio: un FTP o un server Web) è possibile creare una regola del server virtuale nelle pagine di configurazione per inoltrare il traffico.

Il router wireless supporta l'inoltro di porte UPnP, che consente ad applicazioni UPnP locali di aggiungere automaticamente mappature di porte alla configurazione del router. Se si sta utilizzando un'applicazione UPnP, non è dunque necessario creare manualmente una regola del server virtuale nel router wireless per tale applicazione.

Se l'UPnP non è disponibile o è necessario aggiungere per altri motivi una regola del server virtuale, si consiglia di configurare il computer o i computer e/o uno o più dispositivi di rete con un indirizzo IP fisso al posto di un indirizzo IP dinamico.

Di seguito è riportata una lista delle porte più comunemente utilizzate e delle relative applicazioni:

Porta	Applicazione	Porta	Applicazione
20	Dati FTP (Server FTP)	**80**	HTTP (Web server)
21	Dati FTP (Server FTP)	**110**	POP3 (Server e-mail – in entrata)
22	SSH (Shell sicura)	**2000**	Remotely Anywhere
23	Telnet	**5800**	VNC
25	SMTP (Server e-Mail – in uscita)	**5900**	VNC

Per informazioni su ulteriori porte e relative applicazioni, consultare il sito http://portforward.com/cports.htm-

Nota: Per informazioni più dettagliate sull'inoltro delle porte e le opzioni DMZ, consultare il manuale d'uso dettagliato (solo in inglese) nel CD-ROM del prodotto.

Il router wireless può impostare diverse tipologie di regole di inoltro di porte:

- **Inoltro porta singola**

  Mediante l'opzione "Inoltro porta singola" (**'Single Port Forwarding'**) è possibile solamente aprire porte singole per applicazioni che richiedono un'unica porta per operare, come un server Web o un server FTP.

- **Inoltro di una serie di porte**

  Mediante l'opzione "Inoltro di una serie di porte" (**'Port Range Forwarding'**), è possibile aprire una serie di porte per applicazioni che richiedono porte molteplici in successione per operare, quali software peer-2-peer e alcuni giochi con funzione on-line di esecuzione molteplice.

Per inoltrare le porte, è necessario collegarsi all'interfaccia Web del router:

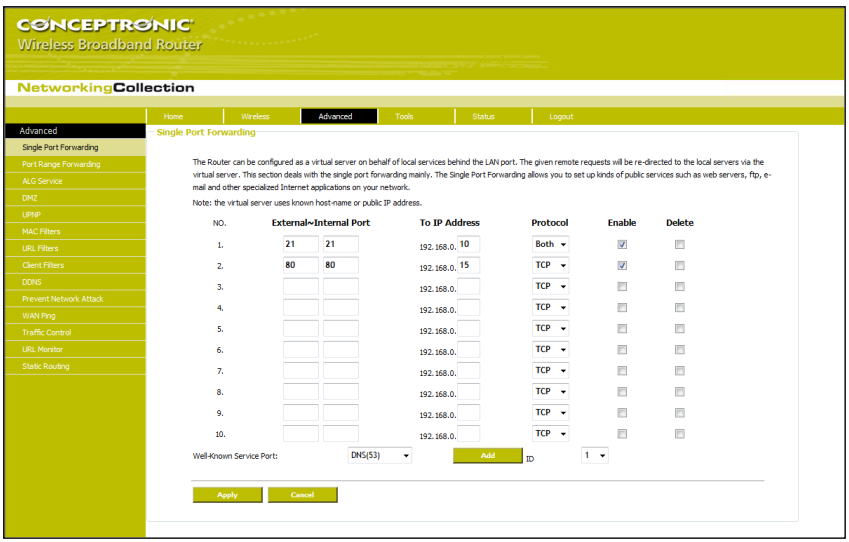
- Collegarsi all'interfaccia Web, come illustrato nella **sezione 5.1**.
- Selezionare 'Avanzato' (**'Advanced'**) nella barra del menu in alto. Sarà possibile visualizzare la barra del menu avanzato sulla sinistra.

ITALIANO

Inoltro porta singola

- Selezionare l'opzione **'Inoltro porta singola'** nella barra del menu avanzato a sinistra.

La configurazione "Inoltro porta singola" (**'Single Port Forwarding'**) sarà visualizzata a schermo:



Nota: Nell'immagine soprastante, è riportato solo un esempio di alcune regole di inoltro di porte.

É possibile definire fino a 10 regole di inoltro di porte singole nel router wireless.

- Inserire le informazioni necessarie per l'inoltro della porta nei seguenti campi:
  - **Porta esterna** : Inserisce la porta che deve restare visibile all'esterno della propria connessione Internet.
  - **Porta interna** : Inserisce la porta locale desiderata per il computer/dispositivo.
  - **Indirizzo IP** **:** Inserisce l'indirizzo IP locale del computer/dispositivo.
  - **Protocollo** : Seleziona il tipo di traffico di rete che deve essere inoltrato.
  - **Abilita** : Abilita o disabilita la regola configurata.
  - **Cancella** **:** Cancella la regola configurata.

Nota: Se non si sa quale protocollo ('Tipo'(**'Type'**)) è necessario selezionare per la propria regola del server virtuale, selezionare **'Entrambi'**. Tale opzione consentirà di passare sia il traffico TCP sia quello UDP attraverso l'indirizzo IP configurato.

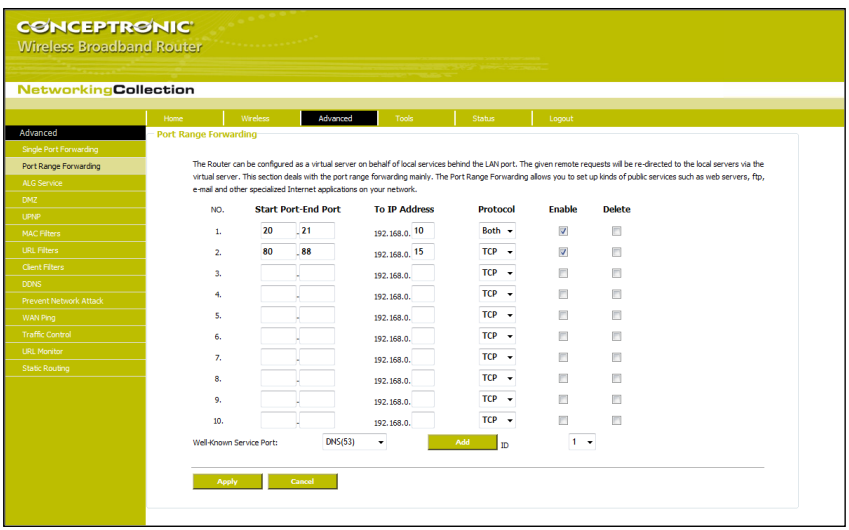
Una volta configurate le regole, cliccare su “Applica” (“**Apply**”) per salvare la configurazione di inoltro della porta.

Nota: Per accertarsi che le regole configurate siano eseguite correttamente, si consiglia di riavviare il router una volta configurate le regole di inoltro delle porte.

Inoltro di una serie di porte

- Selezionare l’opzione “Inoltro di una serie di porte” (‘**Port Range Forwarding**’) dalla barra del menu avanzato a sinistra.

La configurazione ‘**Inoltro di una serie di porte**’ sarà visualizzata a schermo:



Nota: Nell’immagine soprastante, è riportato solo un esempio di alcune regole d’inoltro di porte.

É possibile definire fino a 10 regole di inoltro di serie di porte nel router wireless.

- Inserire le informazioni necessarie per l’inoltro della porta nei seguenti campi:
  - **Porta di avvio** : Inserisce la prima porta della serie che deve essere inoltrata al computer.
  - **Porta di fine** : Inserisce l’ultima porta della serie che deve essere inoltrata al computer.
  - **Indirizzo IP** : Inserisce l’indirizzo IP locale del computer/dispositivo.
  - **Protocollo** : Seleziona il tipo di traffico di rete che deve essere inoltrato.
  - **Abilita** : Abilita o disabilita la regola configurata.
  - **Cancella** **:** Cancella la regola configurata.

Nota: Se non si sa quale protocollo ('Tipo'('**Type**')) è necessario selezionare per la propria regola del server virtuale, selezionare '**Entrambi**'. Tale opzione consentirà di passare sia il traffico TCP sia quello UDP attraverso l'indirizzo IP configurato.

Una volta configurate le regole, cliccare su "Applica" ("**Apply**") per salvare la configurazione di inoltro della porta.

Nota: Per accertarsi che le regole configurate siano eseguite correttamente, si consiglia di riavviare il router una volta configurate le regole di inoltro delle porte.

Una volta riavviato il router, tutte le impostazioni sono salvate e le regole del server virtuale saranno applicate.

Le regole di inoltro delle porte definite sono pronte per essere utilizzate.

Nota: Per una spiegazione più esaustiva delle caratteristiche e delle impostazioni del C300BRS4A, si rinvia al manuale d'uso dettagliato (solo in inglese) sul CD-ROM del prodotto.

Conceptronic C300BRS4A version 2.0

Manual do utilizador

Parabéns pela compra do seu router sem fios da Conceptronic

Este manual de utilizador fornece-lhe uma explicação passo-a-passo sobre como instalar e usar o router sem fios da **Conceptronic**.

Se precisar de mais informação ou suporte para o seu produto, aconselhamo-lo a visitar a nossa página Web **Service & Support** em **www.conceptronic.net/support** e a seleccionar uma das seguintes opções:

- **FAQ** : Base de dados das Perguntas Mais Frequentes
- **Downloads** : Manuais, controladores, firmware e mais transferências
- **Contact** : Contacte o suporte da Conceptronic

Para informações gerais sobre os produtos da Conceptronic visite a página Web da Conceptronic em **www.conceptronic.net**.

A informação contida neste manual baseia-se no Windows 7 e no Windows Vista, mas pode ser diferente do seu computador se estiver a usar um sistema operativo diferente.

Nota: Este manual de utilizador só explica os passos básicos para colocar o router sem fios a funcionar. Para mais informações sobre as várias funções do **router sem fios**, consulte o manual do utilizador (só em inglês) no CD-ROM do produto.

Índice

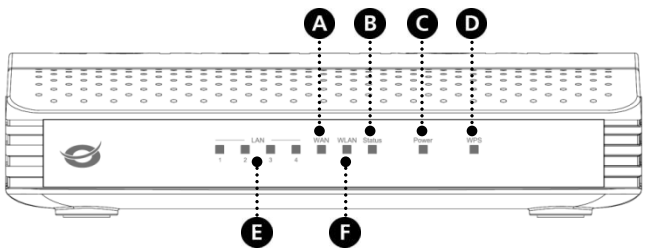
1. Conteúdo da embalagem

Existem os seguintes elementos na embalagem do router sem fios da Conceptronic:

- Router sem fios da Conceptronic (C300BRS4A v2.0)
- 2 antenas para o router sem fios
- Fonte de alimentação 9V CC, 1 A
- Cabo de rede (LAN)
- CD-ROM do produto
- Este manual de instalação rápida multilingue
- Garantia e Declaração de conformidade CE

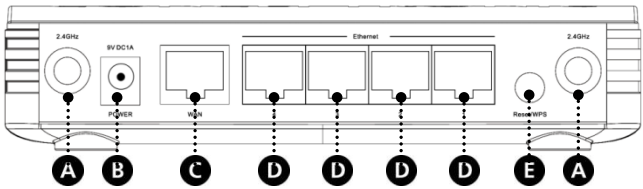
2. O router sem fios

2.1 Painel frontal



Nº	Descrição	Estado	Explicação do estado
A	Luz WAN	**DESLIGADA**	A Porta WAN não está ligada
		LIGADA – CONTÍNUA	A Porta WAN está ligada
		LIGADA – A PISCAR	Actividade de porta WAN (a enviar ou a receber dados)
B	Luz de estado	**DESLIGADA**	O aparelho está desligado
		LIGADA – A PISCAR	O aparelho está ligado e pronto a usar
C	Luz de alimentação	**DESLIGADA**	O aparelho está desligado
		LIGADA	O aparelho está ligado
D	Luz WPS	**DESLIGADA**	A função WPS sem fios está desligada
		LIGADA – A PISCAR	A função WPS sem fios está a aceitar ligações WPS
E	Luzes LAN (1, 2, 3, 4)	**DESLIGADA**	A Porta LAN não está ligada
		LIGADA – CONTÍNUA	A Porta LAN está ligada
		LIGADA – A PISCAR	Actividade de porta LAN (a enviar ou a receber dados)
F	Luz WLAN	**DESLIGADA**	A rede sem fios está desligada
		LIGADA – A PISCAR	Actividade de rede sem fios (a enviar ou a receber dados)

2.2 Painel traseiro



Nº	Descrição	Explicação
A	**Antenas sem fios (2)**	Duas antenas fixas para transmissão sem fios
B	**Ficha de alimentação**	Para ligar a fonte de alimentação ao router
C	**Porta WAN**	Para ligar a sua ligação de banda larga ao router
D	**Portas LAN (1 a 4)**	Para ligar os/s seu/s dispositivo/s de rede ao router
E	**Botão Reset / WPS**	Activa a função WPS (pressão breve) ou faz uma reinicialização (pressão longa)

3. Ligação dos cabos

Ligue a fonte de alimentação à ficha de alimentação na parte de trás do router sem fios e a uma tomada de parede disponível. A luz de alimentação na parte da frente do router sem fios acende.

3.1 Porta WAN

Use um cabo de rede (LAN) para ligar o router sem fios ao seu modem de banda larga.
A luz WAN na parte da frente do router sem fios acende.

Nota: Se a luz WAN na parte da frente não acender, assegure-se de que:
- O router sem fios está ligado (a luz de alimentação deve estar acesa).
- O modem de banda larga está ligado.
- O cabo de rede (LAN) entre os dois aparelhos está correctamente ligado.

3.2 Porta(s) LAN

Ligue o cabo de rede (LAN) a uma das quatro portas LAN no painel traseiro do router sem fios e à placa de rede do seu computador.
A luz LAN da porta LAN utilizada acende, indicando que o computador está ligado. (O seu computador deve estar ligado e a ligação LAN deve estar activada.)

4. Configuração do computador

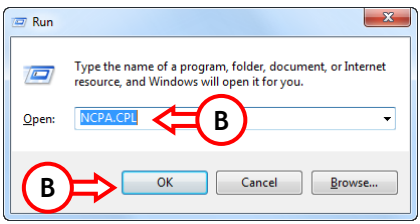
4.1 Configurar o endereço IP

O router sem fios está equipado com um servidor DHCP incorporado. O servidor DHCP atribui automaticamente um endereço IP a cada computador ligado se esse computador estiver configurado para obter um endereço IP automaticamente.

A maioria dos computadores está predefinida para obter um endereço IP automaticamente. Se não for esse o caso, tem de configurar o seu computador para obter um endereço IP automaticamente seguindo as instruções seguintes.

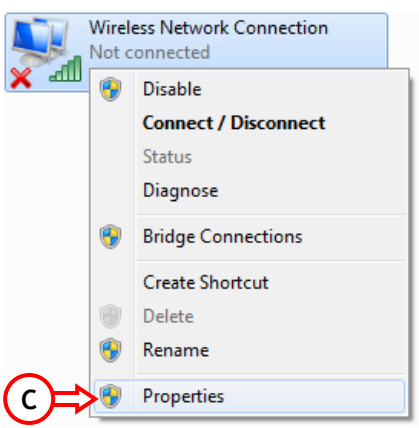
A. Clique em **'Start'** (Iniciar), vá a **'All Programs'** (Todos os programas), **'Accessories'** (Acessórios) e seleccione **'Run'** (Executar).

B. Introduza o comando **'NCPA.CPL'** e clique em **'OK'**.



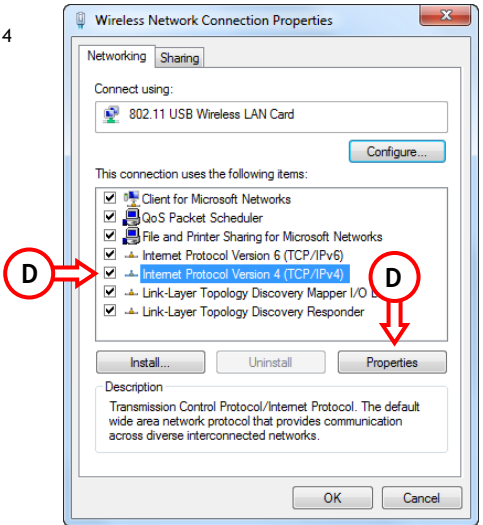
A janela **"Network Connections"** (Ligações de Rede) aparece.

C. Clique com o botão direito do rato em **'Local Area Connection'** (Ligação de área local) ou **'Wireless Network Connection'** (Ligação de rede sem fios) - dependendo da ligação que usar - e seleccione **'Properties'** (Propriedades).



A janela das propriedades da sua Ligação de Área Local ou da Ligação de Rede em Fios aparece.

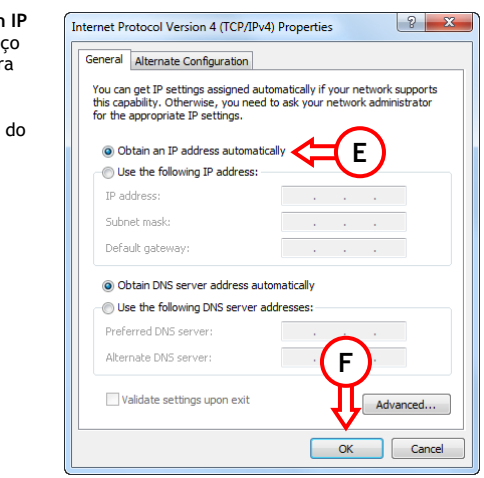
D. Seleccione '**Internet Protocol Version 4 (TCP/IPv4)**' (Protocolo de Internet versão 4 (TCP/IPv4)) e clique em '**Properties**' (Propriedades).



A janela de propriedades do Protocolo de Internet Versão 4 (TCP/IPv4) aparece.

E. Configure as propriedades para '**Obtain an IP address automatically**' (Obter um endereço IP automaticamente) e clique em '**OK**' para guardar as configurações.

F. Clique em '**OK**' na janela de propriedades do Protocolo de Internet Versão 4 (TCP/IPv4) para guardar as configurações.



4.2 Verificar a ligação

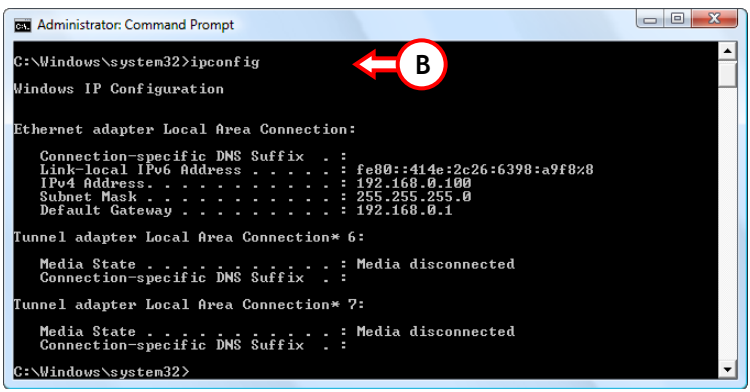
Com a '**Command Prompt**' (Linha de Comandos) do Windows pode verificar se recebeu um endereço IP correcto na sua Ligação de Área Local ou Ligação de Rede Sem Fios. Este exemplo baseia-se no Windows 7 e no Windows Vista com o Service Pack 1. No Windows 7 e no Windows Vista necessita de direitos de administrador para levar a cabo os passos que se explicam a seguir.

A. Clique em '**Start**' (Iniciar), '**All Programs**' (Todos os programas), '**Accessories**' (Acessórios), clique com o botão direito do rato em '**Command Prompt**' (Linha de comandos) e seleccione '**Run as administrator**' (Correr como administrador).

É possível que apareça uma mensagem de aviso, que deve aceitar clicando em '**Continue**' (Continuar) ou em '**Yes**' (Sim).

A janela da Linha de Comandos aparece. Certifique-se de que no título da '**Command Prompt**' (Linha de comandos) está escrito **"Administrator: Command Prompt".** Quando não aparecer a palavra **"Administrator"** (Administrador), significa que você não tem os direitos de administrador necessários para realizar estes passos e deve voltar a realizar o **passo A.**

B. Introduza o comando '**IPCONFIG**' e prima '**ENTER**' no seu teclado.



Deverá ver a seguinte informação:

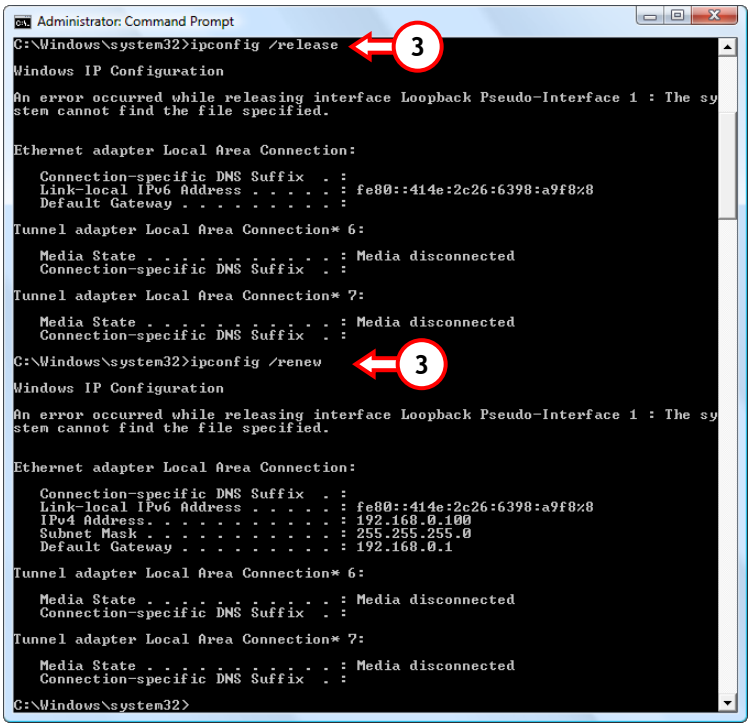
Endereço IPv4	**: 192.168.0.xxx** (em que xxx pode variar entre **100** ~ **199**).
Máscara Subnet	**: 255.255.255.0**
Porta de ligação predefinida	**: 192.168.0.1**

Se a informação mostrada antes coincidir com a sua configuração, pode prosseguir com a configuração do router no **capítulo 5**.

Se a informação apresentada não coincidir com a sua configuração (i.e., o seu endereço IP for o 169.254.xxx.xxx), tem de seguir os passos seguintes:

1. Desligue e volte a ligar a alimentação do router.

2. Desligue e volte a ligar o cabo de rede ligado ao router e ao seu computador.
3. Renove o endereço IP do seu computador com os seguintes comandos:
   - **'IPCONFIG /RELEASE'** : isto vai libertar o endereço IP incorrecto
   - **'IPCONFIG /RENEW'** : isto vai renovar o endereço IP



Se os passos anteriores não resolverem o problema do endereço IP, pode repor as configurações predefinidas de fábrica no aparelho com o botão WPS/Reset na parte de trás do aparelho.
Prima e segure o botão WPS/Reset até a luz de estado desligar (cerca de 15 segundos). Isto vai reiniciar o router e repor as configurações predefinidas de fábrica no aparelho. Quando a luz de alimentação estiver novamente fixa, repita o **passo B** para renovar o seu endereço IP.

Nota: Se o problema persistir, verifique se todos os cabos estão correctamente ligados. A porta WAN deveria estar ligada ao modem e a porta LAN ao computador. Se as ligar de forma errada também não vai conseguir obter um endereço IP correcto.

5. Configuração do router sem fios

Este capítulo descreve a configuração do router sem fios através do assistente de configuração incorporado. Depois de levar a cabo os passos descritos neste capítulo, o seu router está configurado para as suas funções principais.

5.1 Início de sessão

Usa-se uma interface com base na web para configurar o router sem fios. Isto significa que pode configurar o router sem fios em qualquer computador que tenha um navegador de internet e que esteja ligado ao router sem fios.

Nota: Recomenda-se vivamente não usar uma ligação sem fios para configurar o router sem fios, dado que a ligação deste último se poderia perder ao ajustar determinadas configurações. Assim, recomenda-se usar um computador que esteja ligado ao router sem fios através de um cabo de rede.

Para iniciar a sessão do router sem fios, siga estes passos:

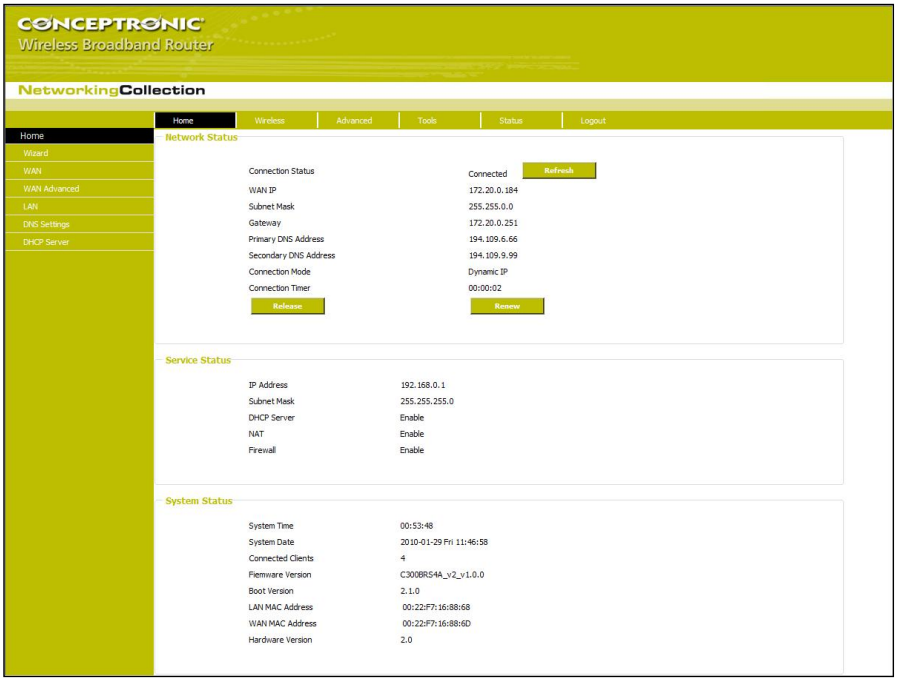
A. Abra o seu navegador (como por exemplo: Internet Explorer, Firefox, Safari ou Chrome).

B. Introduza o endereço IP do router na barra de endereços do seu navegador.
Por defeito : **http://192.168.0.1/**

Aparece uma janela de início de sessão a pedir o nome de utilizador e a palavra-passe.

C. Introduza o nome de utilizador e a palavra-passe e clique em '**OK**' para entrar na configuração com base na web.
Nome de utilizador predefinido : **admin**
Palavra-passe predefinida : **admin**

Quando o nome de utilizador e a palavra-passe estiverem correctos, o router sem fios vai mostrar a página principal com o estado do mesmo:



Na página principal, pode ver o estado da ligação à internet, o estado do sistema, a versão de firmware e os serviços activados.

Nota: Por defeito, o router sem fios está configurado para funcionar com endereços IP dinâmicos fornecidos pelo fornecedor de serviços de internet. Esta é uma configuração que se usa normalmente, fazendo com que o router sem fios funcione bem na maioria dos casos.

O router sem fios também vem encriptado por defeito, impedindo que utilizadores não autorizados entrem na sua rede sem fios. Pode encontrar a chave de encriptação predefinida na parte de baixo do router sem fios.

5.2 Assistente

Pode configurar o router sem fios através do Assistente incorporado. Este Assistente vai ajudá-lo a configurar as definições básicas do router sem fios passo a passo.

Nota: Antes de iniciar o Assistente, assegure-se de que tem todas as informações sobre a sua ligação à Internet à disposição. Por exemplo: tipo de ligação, informação de conta, etc.

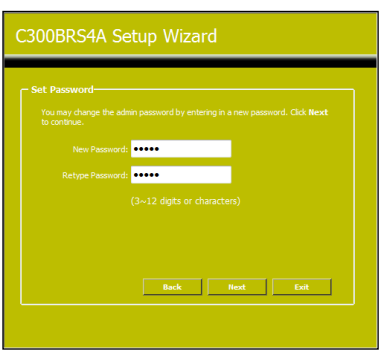
Nota: Ao longo deste capítulo aplica-se o seguinte: Se não souber que opção escolher, ou não tiver a informação necessária à disposição, deve consultar a documentação da sua ligação à Internet ou contactar o seu fornecedor de serviços de Internet (doravante referido como ISP).

A. Clique em '**Wizard**' (Assistente) no menu esquerdo da página principal.
B. Clique em '**Next**' (Seguinte) para abrir o assistente. Uma janela com o Assistente vai aparecer no seu ecrã:

C. O ecrã de boas-vindas apresenta uma lista dos cindo passos do assistente. Clique em **"Next"** (Seguinte) para continuar.

D. É-lhe recomendado para definir aqui uma palavra-passe de administrador. Introduza a nova palavra-passe e volte a introduzi-la para confirmar.

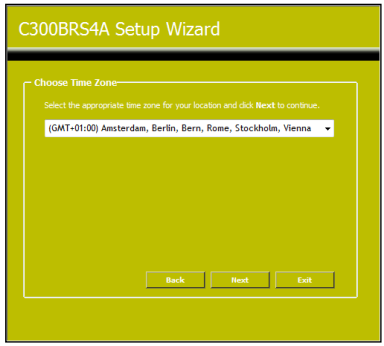
Quando terminar, prima **"Next"** (Seguinte).



E. Por motivos de gestão do sistema, é muito importante uma correcta definição da hora nos registos do sistema.

Defina neste passo o Fuso Horário apropriado.

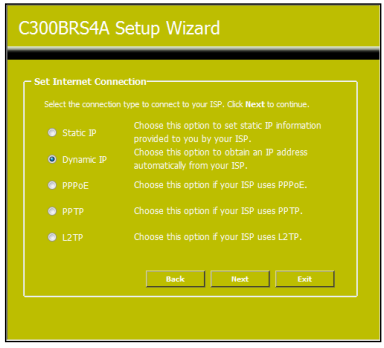
Quando terminar, prima **"Next"** (Seguinte).



F. Seleccione o método de Ligação à Internet que corresponde às configurações do seu fornecedor.

Se não souber qual é a opção que precisa para a sua ligação à Internet, consulte a documentação do seu fornecedor ou contacte o apoio do seu fornecedor.

Quando terminar, prima **"Next"** (Seguinte).



Ligação - IP fixo

G. Quando o seu fornecedor necessitar de uma ligação com IP Fixo, seleccione a opção **"Static IP"** (IP fixo).

Introduza a informação pedida:

- *Endereço IP*
- *Máscara Subnet*
- *Endereço da Porta de Ligação do ISP*
- *DNS Primário*
- *DNS Secundário (opcional)*

Quando terminar, prima **"Next"** (Seguinte).

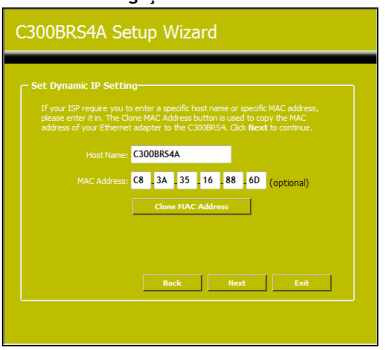
H. Quando o seu fornecedor necessitar de uma ligação com IP Dinâmico, seleccione a opção **"Dynamic IP"** (IP dinâmico).

Alguns fornecedores precisam de um Nome do sistema anfitrião específico para as suas ligações. Se o seu fornecedor necessitar de um Nome de sistema anfitrião específico, introduza-o no campo.

Alguns fornecedores só permitem 1 endereço MAC específico para ligar à Internet. Se a Placa de Rede do seu PC funcionar com o endereço MAC específico necessário, prima o botão **"Clone MAC Address"** (Copiar Endereço MAC) ou introduza o Endereço MAC manualmente.

Quando terminar, prima **"Next"** (Seguinte).

Ligação - IP Dinâmico



I. Quando o seu fornecedor necessitar de uma ligação PPPoE, seleccione a opção **"PPPoE"**.

Introduza a informação pedida:

- *Nome de Utilizador*
- *Palavra-passe*
- *Confirmar palavra-passe*

Quando terminar, prima **"Next"** (Seguinte).

Ligação - PPPoE

J. Quando o seu fornecedor necessitar de uma ligação PPTP, seleccione a opção **"PPTP"**.

Introduza a informação pedida:

- *IP Servidor*
- *Conta PPTP*
- *Palavra-passe PPTP*
- *Confirmar palavra-passe*

Quando terminar, prima **"Next"** (Seguinte).

Ligação - PPTP

K. Quando o seu fornecedor necessitar de uma ligação L2TP, seleccione a opção **"L2TP"**.

Introduza a informação pedida:

- *IP Servidor*
- *Conta L2TP*
- *Palavra-passe L2TP*
- *Confirmar palavra-passe*

Quando terminar, prima **"Next"** (Seguinte).

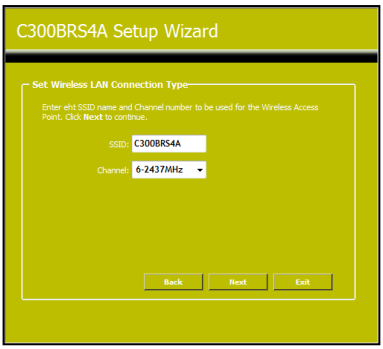
Ligação - L2TP

Quando a configuração WAN estiver concluída, o Assistente vai prosseguir com a configuração Sem Fios:

L. Pode alterar o SSID do router. O SSID é o nome que é transmitido através da parte Sem Fios.

Pode alterar o canal entre o canal **1** e o **13**. Se sentir que a ligação está lenta ou a falhar, pode existir outro ponto de acesso na sua área que pode estar a interferir com o seu canal sem fios. Nesse caso, pode experimentar outro canal.

Quando terminar, prima **"Next"** (Seguinte).



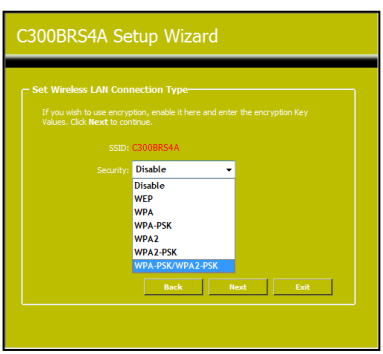
Pode proteger a sua ligação sem fios com encriptação. Por defeito, o router sem fios está protegido por encriptação WPA-PSK/WPA2-PSK (modo misto). Pode encontrar a chave de encriptação predefinida na parte inferior do router.

Nota: Todas as opções de segurança do Assistente de Configuração são explicadas, mas é aconselhável proteger a sua rede com segurança **"WPA-PSK/WPA2-PSK"** se os seus Clientes não suportarem WPS. Este é o nível de segurança WPA2 mais alto, compatível com versões anteriores apenas para clientes WPA.

Nota: Não esqueça ou aponte a informação de segurança sem fios introduzida. Vai precisar dela quando quiser configurar um cliente sem fios para se ligar ao router sem fios!

M. Seleccione um nível de segurança para a sua Rede Sem Fios.

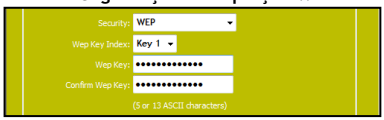
Quando tiver escolhido um nível de segurança, o Assistente vai mostrar campos para a informação pedida.



N. Se quiser proteger a sua rede com encriptação WEP, seleccione **"WEP"** na lista desdobrável. Introduza a chave WEP em formato ASCII (introduza: A-Z, 0-9).

Nota: Através do Assistente só pode configurar a WEP de 64 Bits.

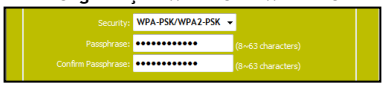
Segurança - Encriptação WEP



O. Se quiser proteger a sua rede com WPA-PSK ou WPA2-PSK, seleccione **"WPA-PSK"**, **"WPA2-PSK"** ou **"WPA-PSK/WPA2-PSK"** na lista desdobrável.

Introduza a frase chave para a encriptação e confirme a frase chave no segundo campo.

Segurança - WPA-PSK / WPA2-PSK

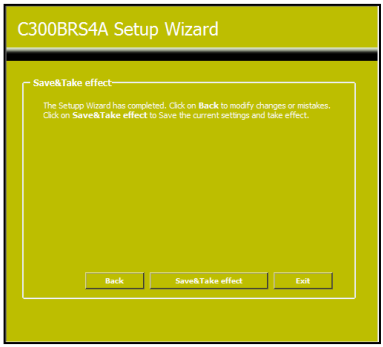


P. Quando estiverem feitas todas as configurações sem fios, clique em **"Next"** (Seguinte) para continuar.

Q. O Assistente de Configuração está agora concluído. Se quiser aplicar as suas configurações, clique em **"Save & Take Effect"** (Guardar e Aplicar).

Se quiser alterar alguma configuração, clique em **"Back"** (Atrás) para regressar ao ecrã anterior.

Se quiser sair do Assistente de Configuração sem guardar as alterações, clique em **"Exit"** (Sair).



Quando seleccionar **"Save & Take Effect"** (Guardar e Aplicar), o router vai aplicar as definições configuradas e reiniciar. Por favor, aguarde a mensagem **"Setup Wizard configuration is complete"** (A configuração do Assistente de Configuração está concluída).

R. Prima **"OK"** para sair do Assistente de Configuração.

O seu Router Sem Fios já está pronto a usar!

6. Ligação à rede sem fios

Existem duas formas diferentes de se ligar sem fios ao router sem fios:
- Manualmente.
- Automaticamente através da função WPS.

! NOTA IMPORTANTE!

Por defeito, o router sem fios está protegido com encriptação WPA-PSK/WPA2-PSK (modo misto). Pode encontrar a frase chave WPA única no autocolante do seu router sem fios.

Quase todas as marcas / tipos de placas sem fios usam uma aplicação de cliente diferente. Consulte o manual da sua placa de rede sem fios para obter informações sobre como criar uma ligação com uma rede sem fios.

6.1 Ligar manualmente no Windows 7

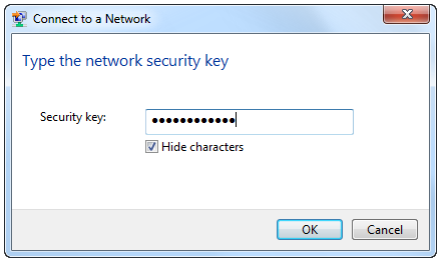
No exemplo seguinte, usa-se a opção integrada **"Connect to a Network"** (Ligar a uma rede) do Windows 7.

A Clique no ícone **'Network'** (Rede) na barra de tarefas para ver a lista de ligações de rede sem fios disponíveis.

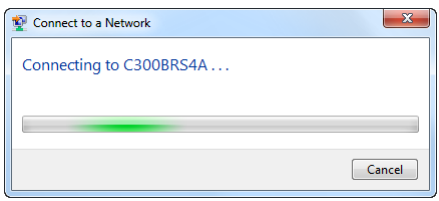
B Seleccione a rede **"C300BRS4A"** na lista e clique em **'Connect'** (Ligar).

Por defeito, a opção **"Connect automatically"** (Ligar automaticamente) já está seleccionada. Isto assegura que a ligação é estabelecida automaticamente sempre que ligar o seu computador. Se não quiser que isso aconteça, pode desseleccionar esta opção antes de clicar em **'Connect'** (Ligar).

C Introduza a frase-chave WPA predefinida (que pode encontrar na base do router sem fios) no campo **"Security key"** (Chave de segurança) e prima **"Ok"**.



D O cliente vai agora iniciar a ligação à rede sem fios.

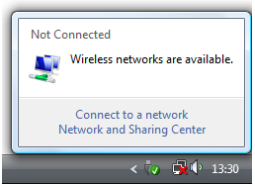


E Para verificar o estado da ligação sem fios, pode clicar no ícone **'Network'** (Rede) na bandeja de sistema. Aí vai ver a que rede está ligado nesse momento, o acesso que tem e a força do sinal da ligação.

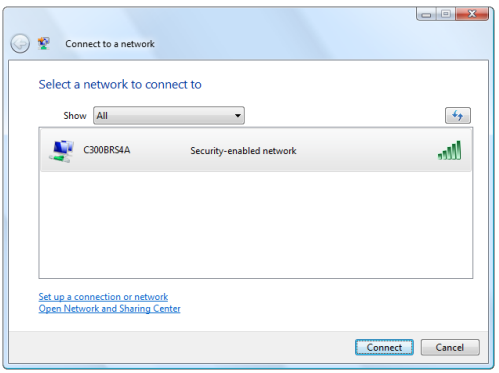
6.2 Ligar manualmente no Windows Vista

No exemplo seguinte, usa-se a opção integrada **"Connect to a Network"** (Ligar a uma rede) do Windows Vista com o Service Pack 1.

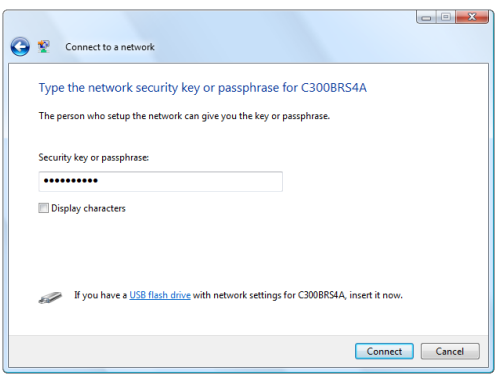
A Clique no ícone **'Network'** (Rede) na bandeja de sistema e clique em **"Wireless networks are available"** (Estão disponíveis redes sem fios).



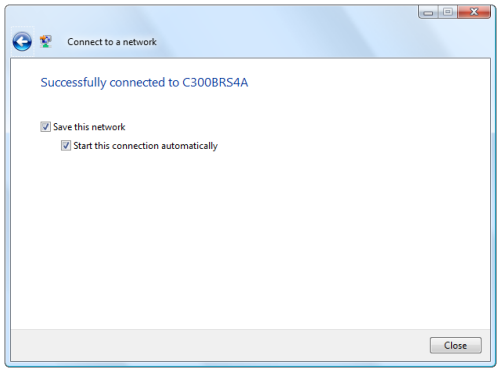
B Seleccione a rede **"C300BRS4A"** na lista e clique em **'Connect'** (Ligar).



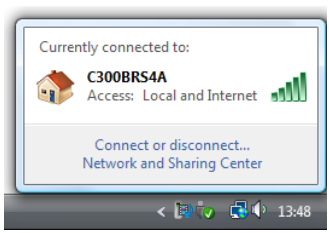
C Introduza a frase chave WPA predefinida (que pode encontrar na base do C300BRS4A) no campo **"Security key or passphrase"** (Chave de segurança ou frase chave) e clique em **"Connect"** (Ligar).



D Depois de a ligação ser estabelecida, pode escolher guardar a rede e iniciá-la automaticamente sempre que ligar o computador. Clique em '**Close**' (Fechar) para sair do assistente de ligação.



E Para verificar o estado da ligação sem fios, pode clicar no ícone '**Network**' (Rede) na bandeja de sistema. Aí vai ver a que rede está ligado nesse momento, o acesso que tem e a força do sinal da ligação.



6.3 Ligar automaticamente com WPS

O router sem fios da Conceptronic suporta a especificação WPS (Wi-Fi Protected Setup). O WPS é um standard para montar uma rede sem fios de forma fácil e segura. Com o WPS pode configurar e proteger a sua rede sem fios em apenas alguns passos.

Nota: Para usar WPS com o router sem fios, precisa de ter um cliente sem fios que suporte WPS. Se tiver um ou mais clientes sem fios que não suportem WPS, é aconselhável fazer a ligação de forma manual ao router sem fios usando a chave WPA pré-configurada tal como se vê na base. Consulte os **capítulos 6.1** ou **6.2** sobre como ligar à rede sem fios de forma manual.

Nota: Para mais informação (técnica) acerca do WPS, visite a seguinte página web: http://en.wikipedia.org/wiki/Wi-Fi_Protected_Setup

Com a tecnologia WPS por Botão, pode ligar o router sem fios a um cliente carregando num botão em cada dispositivo.

A tecnologia WPS por Botão requer um botão (virtual) no seu cliente sem fios para estabelecer uma ligação entre o router sem fios e o cliente sem fios.
Alguns clientes sem fios usam um botão real para activar a tecnologia WPS por Botão; outros clientes sem fios usam um botão virtual no respectivo software.

Siga os passos seguintes para activar e estabelecer uma ligação WPS com a tecnologia por Botão:

A. Prima o botão WPS na parte detrás do router sem fios, e a luz WPS acende indicando que a autenticação WPS começou.

B. Carregue no botão WPS no cliente sem fios. Este botão pode ser real no hardware ou pode ser um botão virtual no software do cliente sem fios.

Nota: O router sem fios vai manter a autenticação WPS activa durante 120 segundos. Durante este processo, a luz WPS vai piscar. Se não se estabelecer uma ligação WPS dentro de 120 segundos, a luz apaga-se e a autenticação WPS é interrompida.

Se a autenticação WPS for bem sucedida, a luz WPS acende.

O cliente sem fios está agora ligado à rede sem fios protegida do router sem fios.
Pode adicionar mais clientes sem fios sem perder a ligação aos clientes sem fios ligados anteriormente. Se quiser adicionar mais clientes sem fios, tem de repetir os passos **A** e **B**.

7. Reencaminhamento de Portas

O router sem fios da Conceptronic está equipado com um firewall incorporado para prevenir ataques à sua rede vindos da internet. Este firewall bloqueia automaticamente todo o tráfego de entrada nas portas não usadas. Quando uma porta bloqueada é necessária para um serviço ou aplicação (por exemplo: um servidor FTP ou um servidor WEB), pode criar uma Regra para o Servidor Virtual nas páginas de configuração para reencaminhar o tráfego.

O router sem fios também suporta reencaminhamento de portas UPnP, permitindo que aplicações UPnP locais adicionem automaticamente port mappings à configuração do router. Isto significa que se estiver a usar uma aplicação com UPnP, não precisa de criar manualmente uma regra de Servidor Virtual no router sem fios para essa aplicação.

No caso em que o UPnP não esteja disponível ou que seja necessário adicionar uma regra de Servidor Virtual por qualquer motivo, é aconselhável configurar os computadores e/ou os dispositivos de rede com um endereço IP fixo em vez de um endereço de IP dinâmico.

Abaixo encontra uma lista de algumas portas utilizadas regularmente e as aplicações que lhes correspondem.

Porta	Aplicação	Porta	Aplicação
20	FTP data (Servidor FTP)	**80**	HTTP (Servidor Web)
21	FTP data (Servidor FTP)	**110**	POP3 (Servidor de correio – Entrada)
22	SSH (Secure shell)	**2000**	Remotely Anywhere
23	Telnet	**5800**	VNC
25	SMTP (Servidor de correio – Saída)	**5900**	VNC

Para mais portas e as suas correspondes aplicações, consulte http://portforward.com/cports.htm.

Nota: Para informação detalhada acerca do reencaminhamento de portas e as opções DMZ, consulte o manual do utilizador alargado (só em inglês) no CD-ROM do produto.

O router sem fios pode definir vários tipos de regras de reencaminhamento de portas:

- **Reencaminhamento de porta única**

  Com o **'Single Port Forwarding'** (Reencaminhamento de porta única), pode abrir portas únicas para aplicações que requeiram uma porta única para funcionar, como um servidor de internet ou um servidor FTP.

- **Reencaminhamento de gama de portas**

  Com o **'Port Range Forwarding'** (Reencaminhamento de gama de portas), pode abrir uma gama de portas para aplicações que requeiram várias portas em série para funcionar, como software peer-2-peer e alguns jogos com função multi-jogador online.

Para reencaminhar portas, primeiro tem de entrar na interface de internet do router:

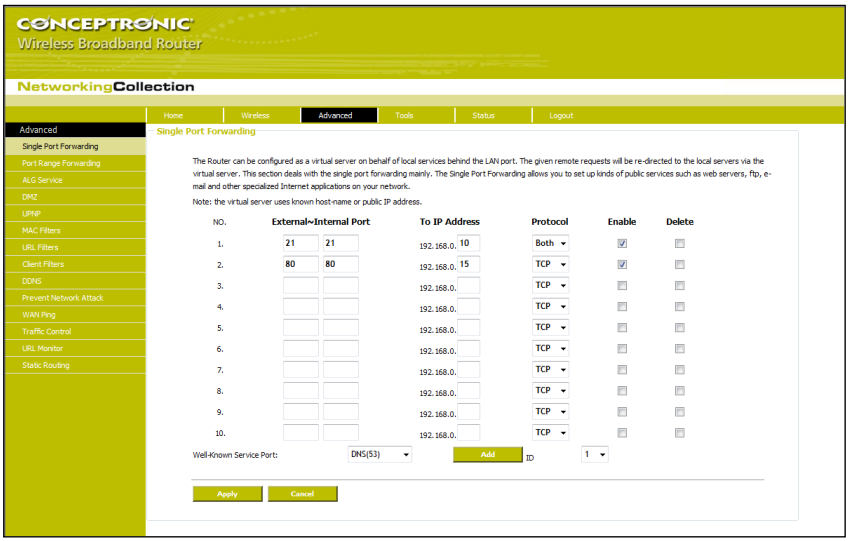
- Entre na interface de internet tal como se explica no **capítulo 5.1**.
- Seleccione **'Advanced'** (Avançadas) na barra de menus superior. Vai ver à esquerda a barra de menus avançados.

PORTUGUÊS

Reencaminhamento de porta única

- Seleccione **'Single Port Forwarding'** (Reencaminhamento de porta única) na barra de menus avançados à esquerda.

A configuração do **'Single Port Forwarding'** (Reencaminhamento de porta única) vai aparecer no ecrã:



Nota: Na imagem anterior, pode ver um exemplo de algumas regras de reencaminhamento de portas.

Pode definir até 10 regras de reencaminhamento de porta única no router sem fios.

- Introduza a informação necessária para a regra de reencaminhamento de porta nos seguintes campos:
  - **External Port** : (Porta externa) Introduza a porta que deve estar visível fora da sua ligação à Internet.
  - **Internal Port** : (Porta interna) Introduza a porta local desejada para o computador / dispositivo.
  - **IP Address** : (Endereço IP) Introduza o endereço de IP local do computador / dispositivo.
  - **Protocol** : (Protocolo) Seleccione o tipo de tráfego de rede que deve passar.
  - **Enable** : (Activar) Activa ou desactiva a regra configurada.
  - **Delete** : (Eliminar) Elimina a regra configurada.

Nota: Se não souber qual o protocolo (**'Type'**) que tem de seleccionar para a regra de servidor virtual, seleccione **'Both'** (Ambos). Esta opção passa tanto o tráfego TCP como UDP para o endereço IP configurado.

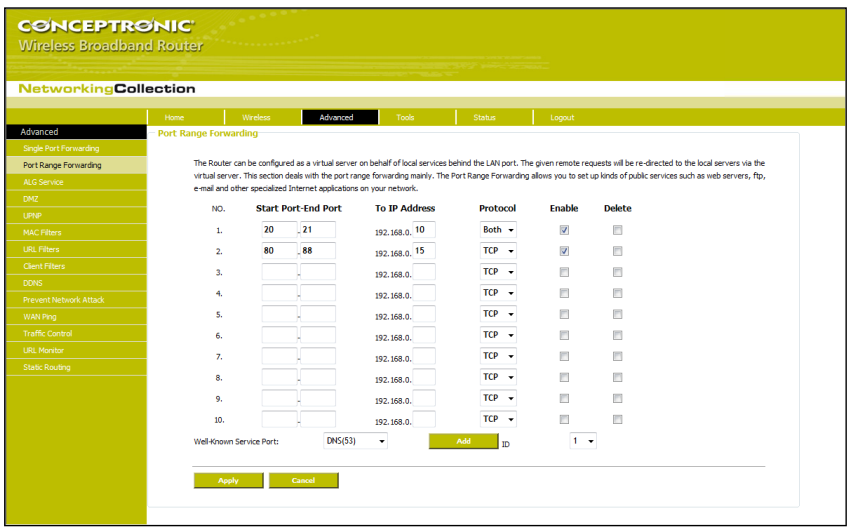
Depois de configurar as regras, prima **"Apply"** (Aplicar) para guardar a configuração de reencaminhamento de portas.

Nota: Para se assegurar que as regras configuradas funcionam correctamente, recomenda-se reiniciar o seu router depois de configurar as regras de reencaminhamento de portas.

Reencaminhamento de gama de portas

- Seleccione **'Port Range Forwarding'** (Reencaminhamento de gama de portas) na barra de menus avançados à esquerda.

A configuração do **'Port Range Forwarding'** (Reencaminhamento de gama de portas) vai aparecer no ecrã:



Nota: Na imagem anterior, pode ver um exemplo de algumas regras de reencaminhamento de portas.

Pode definir até 10 regras de reencaminhamento de gama de portas no router sem fios.

- Introduza a informação necessária para a regra de reencaminhamento de portas nos seguintes campos:
  - **Start Port** : (Porta inicial) Introduza a primeira porta da gama de portas que deve ser reencaminhada para o seu computador.
  - **End Port** : (Porta final) Introduza a última porta da gama de portas que deve ser reencaminhada para o seu computador.
  - **IP Address** : (Endereço IP) Introduza o endereço de IP local do computador / dispositivo.
  - **Protocol** : (Protocolo) Seleccione o tipo de tráfego de rede que deve passar.
  - **Enable** : (Activar) Activa ou desactiva a regra configurada.
  - **Delete** : (Eliminar) Elimina a regra configurada.

Nota: Se não souber qual o protocolo (‘**Type**’) que tem de seleccionar para a regra de servidor virtual, seleccione ‘**Both**’ (Ambos). Esta opção passa tanto o tráfego TCP como UDP para o endereço IP configurado.

Depois de configurar as regras, prima “**Apply**” (Aplicar) para guardar a configuração de reencaminhamento de portas.

Nota: Para se assegurar que as regras configuradas funcionam correctamente, recomenda-se reiniciar o seu router depois de configurar as regras de reencaminhamento de portas.

Depois do router ter reiniciado, todas as configurações são assumidas e as regras de servidor virtual serão aplicadas.

As regras de reencaminhamento de portas definidas estão prontas a usar.

Nota: Para uma explicação mais detalhada sobre as características e configurações disponíveis no C300BRS4A, consulte o manual do utilizador alargado (só em inglês) no CD-ROM do produto.

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Availability of source code

Conceptronic. has exposed the full source code of the GPL licensed software, including any scripts to control compilation and installation of the object code. All future firmware updates will also be accompanied with their respective source code. For more information on how you can obtain our open source code, please visit our web site.

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Version 2, June 1991

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