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Setting security with the C54BRS4 and the C54RU/RC/Ri

This manual will help you to set security on the C54BRS4 and the C54RU/RC/Ri. With security, your wireless connection will not be available for other people who do not know about the security settings.

GENERAL NOTE: When changing settings on the C54BRS4, make sure you are connected with the supplied Ethernet cable instead of the wireless connection!!

Setting WEP Security on the C54BRS4.

WEP Security can be used with all supported operating systems. To enable WEP Security, follow the next steps:

 Open Internet Explorer, and type in the adressbalk the IP address of the router (Default: <u>HTTP://192.168.2.1/</u>)

Connect to 192.1	68.2.1	
Default: admin/1234		
User name:	🔮 admin 🛛 💌 🧹	$\exists 2$
Password:	••••	
	Remember my password	
	OK Cancel	

- 2. Enter the Username and Password for the router (Default: admin / 1234)
- 3. Choose in the main menu for "General Setup"

CONCEPT The Concept of Global		Home General Setup Status Tools Conceptronic C54BRS4 Broadband Router
O System O WAN O LAN O Wireless O NAT O Firewall	General Setup The Broadband router supports advanced functions like Virtual Server, Access Contr DMZ We highly recommend you keep the default settings.	ol, Hacker Attack Detection and

4. Select the "Wireless" option at the left of the screen.



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CONCEPT	TRONIC Home General Setup Status Tools
The Concept of Global	Concentronia CMBPSA Breadbard Pouter
• System • WAN • LAN • Basic Settings • Advanced Settings • Advanc	Security This page allows you setup the wireless security. Turn on WEP or WPA by using Encryption Keys could prevent any nucleotic dacess to your wireless network.

- 5. Select the option "Security", which is part of the Wireless section.
- Set the encryption type to "WEP" and the Key Length to "128-Bit"
 Set the Default Tx Key to "Key 1" and enter an encryption key in the field "Encryption Key 1". This key must be 26 characters and can contain the numbers 0 to 9 and the letters A to F. Remember this key! You will need it to configure the wireless card for connection!
- 8. Press "Apply".

The router will change the security settings and will give the following message when complete:

Change setting successfully!
ОК С

9. Press "OK". The router saved the settings. You can close your Internet Browser.

The next steps will configure the C54RU/RC/Ri for the WEP encryption:

10. Connect your Wireless device to the computer.



11. Double-click on the Conceptronic Utility in the taskbar. The Conceptronic Utility will come up. You will see that the WLAN network is secured with WEP Security.



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					R <u>e</u> fresh	Add	
SSID ∨ ¥ WLAN	MAC(BSSID) 00:50:F1:12:00:00	Signal	Security Security	<u>СН</u> 6	Ereq 2.437Ghz	Mode g	
Profile <u>G</u> roup Contro lease select a profi		eferred WLAN omatically con		VLAN per l	pelow order:	New	
			s: inect to available V Secu			<u>N</u> ew	
	e group to apply : Auto	omatically con	nnect to available V		below order:	<u>N</u> ew <u>R</u> emove	
	e group to apply : Auto	omatically con	nnect to available V				

12. In the "preferred WLAN's" section, select "WLAN" and press "Properties".

Wireless Network Properties	
Wireless network name (SSID): WLAN	
Wireless network key (WEP) This network requires a key for the following: Authentication Mode: Open System	
Data Encryption: WEP	<≓ 13
Key length: 128 bits (104+24) - 26 Hexadecima	
Key <u>1</u> :	
Key <u>2</u> :	
Key <u>3</u> :	
Key <u>4</u> :	
Default key: Key 1	
Enable 802.1X Authentication Config	
This is a computer to computer (ad hoc) network; no access points are used.	
IP & Proxy Setting OK Cancel	

- 13. At the Properties Page, set the Authentication Mode to "**Open System**", the Data Encryption to "**WEP**" and the Key length to "**128 Bits (104+24) 26 Hexadecimal**".
- 14. Enter the key from step 7 in the field of Key 1 and press "OK".

The wireless connection is now available with WEP security.





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Setting WPA Security (Only for Windows 2000 and Windows XP)

WPA Security can only be used with Windows 2000 and Windows XP. WPA is more secure, and simpler to install than WEP security.

To enable WPA Security, follow the next steps:

1. Open Internet Explorer, and type in the adressbalk the IP address of the router (Default: HTTP://192.168.2.1/)



- 2. Enter the Username and Password for the router (Default: admin / 1234)
- 3. Choose in the main menu for "General Setup"

CSNCEPT The Concept of Global Co		Home General Setup Status Tools Conceptronic C54BRS4 Broadband Router
O System O WAN O LAN O Wireless O NAT O Firewall	General Setup The Broadband router supports advanced functions like Virtual Server, Access Cont DMZ. We highly recommend you keep the default settings.	rol, Hacker Attack Detection and

4. Select the "Wireless" option at the left of the screen.



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CONCEP	TRONIC	Home General Setup Status Tools
The Concept of Glo		Conceptronic C54BRS4 Broadband Router
C System O WAN O LAN O Wireless D Basic Settings D Security D Access Control O NAT O Firewall	Security This page allows you setup the wireless security. Turn on WEP or WPA by using En unauthorized access to your wireless network. Encryption : WPA pre-shared key	cryption Keys could prevent any

- 5. Select the option "Security", which is part of the Wireless section.
- 6. Set the encryption type to "WPA" and select "TKIP" at the WPA Unicast Cipher Suite.
- 7. Set the Pre-shared Key Format to "Passphrase" and enter a pass phrase in the field "Pre-shared Key". The pass phrase needs to be 8 characters minimum! Remember this key! You will need it to configure the wireless card for connection!
- 8. Press "Apply".

The router will change the security settings and will give the following message when complete:

Change setting successfully!
ОК

9. Press "OK". The router saved the settings. You can close your Internet Browser.

The next steps will configure the C54RU for the WPA encryption:

10. Connect your Wireless device to the computer.



11. Double-click on the Conceptronic Utility in the taskbar. The Conceptronic Utility will come up. You will see that the WLAN network is secured with WPA Security.



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	e WLAN, click Add to s	setup.		Re	fresh	Add	
SSID	MAC(BSSID)	Signal	Security	CH	Freq	Mode	
WLAN	00:50:F1:12:00:00	🔊 100% 🔛	WPA-PSK	6 2.	437Ghz	g	
ease select a profile ;	group to apply : Aut	omatically connec	t to available WLAI	V per below	order:	New	
	New	SSID	Security			Remove	
	New Rename	SSID	Security Open Syste	em		Remove Properties	L
				em			+(

12. In the "preferred WLAN's" section, select the WLAN and press "Properties".

Wireless Network Properties
Wireless network name (SSID): WLAN
Wireless network key (WEP) This network requires a key for the following: Authentication Mode: WPA-PSK
Data Encryption: TKIP (13)
Key length: 64 bits (40+24) - 10 Hexadecimal d
Key 1:
Key 2:
Key 3:
Key 4:
Default key: Key 1
Enable 802.1X Authentication Config
This is a computer to computer (ad hoc) network; no access points are used.
IP & Proxy Setting OK Cancel

- 13. At the Properties Page, set the Authentication Mode to "WPA-PSK" and the Data Encryption to "TKIP".
- 14. Press "Authentication Config".



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Advanced Security Settings	×
WPA-PSK	
WPA Passphrase	
ЕАР Туре	
EAP Type:	
Certificate	
User Certificate	
🔲 Validate Server Certificate	
User Information	
User Name	Domain Name
Password	
Confirm Password	
TTLS Identity	
TTLS Identity	
Trust CA List	
	Add
	Remove
ОК	Cancel

- 15. Enter the WPA string from step 5 in the field for WPA Pass phrase and press "OK".16. At the Properties Page, press "OK".

The wireless connection is now available with WPA Security.

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