



MANUAL

EM8012/EM8013 - xLINE Homeplug adapter(s)

WWW.EMINENT-ONLINE.COM

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Warnings and points of attention

Opening of the product and/or products can lead to severe injuries! Repairing of the product should be done by the qualified Eminent staff!

Table of contents

1.0 Warranty conditions	2
2.0 Introduction	3
2.1 Functions and features	3
2.2 Packing contents	3
2.3 Before you start	3
3.0 Connecting an xLINE adapter to a computer.....	4
3.1 Connecting an xLINE Adapter to a modem or router.....	4
3.2 Installing xLINE security software	4
3.3 Securing your xLINE home network	5
3.4 Add a new xLINE to your secured network.....	6
4.0 Frequently asked questions	6
5.0 Service and support.....	7
6.0 Supplement.....	8
6.1 Supplement 1, Network settings for Windows 98 and Windows ME	8
6.2 Supplement 2, Network settings for Windows 2000 and Windows XP	8
6.3 Supplement 3, Network settings for Windows Vista	9
6.3 Supplement 3, Configuring Internet Explorer version 5 and version 5.5	9
6.4 Supplement 4, Configuring Internet Explorer version 6	10

1.0 Warranty conditions

The five-year Eminent warranty applies for all Eminent products unless mentioned otherwise before or during the moment of purchase. When having bought a second-hand Eminent product the remaining period of warranty is measured from the moment of purchase by the product's first owner. The Eminent warranty applies to all Eminent products and parts inextricably connected to and/or mounted on the main product. Power supply adapters, batteries, antennas and all other products not integrated in or directly connected to the main product and/or products of which, without reasonable doubt, can be assumed that wear and tear show a different pattern than the main product are not covered by the Eminent warranty. Products are not covered by the Eminent warranty when exposed to incorrect/improper use, external influences and/or when opened by parties other than Eminent.

2.0 Introduction

Congratulations on your purchase of this high-quality Eminent product! This product has undergone extensive testing by Eminent's technical experts. Should you experience any problems with this product, you are covered by a five-year Eminent warranty. Please keep this manual and the receipt in a safe place.

Register this product now on www.eminent-online.com and receive product updates!

2.1 Functions and features

Isn't it great, your own home network? Ideal, but often hard to realise. You need to draw cables and drill holes in places you really do not want to. Eminent offers a different solution: your own home network over the only existing network in your house. A network that has offered its services for many years and has never let you down. The mains! To connect just one computer to the Internet you should use the xLINE starter kit. Want to connect another computer? Simply use the xLINE extension kit!

2.2 Packing contents

Please verify if all parts mentioned below are present, before beginning the installation procedure.

The Eminent EM8012 xLINE Extension Kit should hold the following items:

- 1x EM8012 xLINE Homeplug Adapter.
- 1x UTP networking cable.
- User manual
- CD-Rom with installation software

The Eminent EM8013 xLINE Starter Kit should hold the following items:

- 2x EM8012 xLINE Homeplug Adapters.
- 2x UTP networking cable.
- User manual.
- CD-Rom with installation software

2.3 Before you start

Before you start the installation procedure you need to check:

1. Having a fully operational network connection
2. Having configured the network settings properly (refer to supplements 1 and 2)

3.0 Connecting an xLINE adapter to a computer

When you wish to share an existing Internet connection with multiple users or when you simply want to create a network, you first need to connect an xLINE to your computer. You can do this by following the procedure below. You can repeat this procedure for each computer you wish to add to your network.

1. Insert the Eminent xLINE Adapter in the wall-outlet nearest to the computer you wish to connect
2. Connect the enclosed UTP networking cable to the network connector on the xLINE adapter.
3. Connect the other end of the UTP networking cable to the network card in your computer.
4. The xLINE has now been connected and installed.

3.1 Connecting an xLINE Adapter to a modem or router

When you wish to share an existing Internet connection with multiple users or when you want to relocate your internet connection to another location, you need to connect an xLINE to a modem or modem/router combination. You can do this by following the procedure below:

1. Insert the Eminent xLINE Adapter in the wall-outlet nearest to the modem or modem/router combination.
2. Connect the enclosed UTP networking cable to the network port on the xLINE adapter.
3. Connect the other end of the UTP networking cable to one of the network ports on your modem or modem/router combination. These ports are often referred to as 'LAN' ports.
4. The xLINE has now been properly connected and installed.

3.2 Installing xLINE security software

Normally all connected xLINE adapters will mutually exchange data. In some cases it may therefore be recommended to secure the xLINE home network. You will first need to install the security software.

1. Insert the CD-ROM in the CD or DVD player of your computer.
2. The CD-ROM will start automatically and show you a number of options.
3. Select 'English' and click 'Next'
4. Choose the option 'Install Software' and click 'Next'
5. Click 'Next'.
6. Click 'Next'.

7. Click 'Next'.
8. The software will now be installed.
9. Click 'Finish'.
10. Click 'Close' and then 'Yes' to leave the installation menu.

3.3 Securing your xLINE home network

You will find a new shortcut on your desktop named 'Powerpacket Utility'. You can use this shortcut to secure your xLINE home network.

Double click the 'Powerpacket Utility' on your desktop. The screen which then opens is divided in two parts. The upper part shows the xLINE adapter that is directly connected to the computer. The bottom part shows the adapters that are present in the xLINE home network. Here you can find the adapters with the default network name 'HomePlug'.

To secure adapters that are not directly connected to the computer, you will need the so-called 'DEK' key or 'Device ID key', found on the sticker on the xLINE adapter. You do not need this key to secure the adapter that is directly connected to your computer. Follow the steps below to secure the xLINE adapters:

1. In the bottom field of the 'Powerpacket utility' you can choose an xLINE from the list, where no value is set in the 'Password' column.
2. Click 'Enter Password'.
3. Enter the 'DEK key / Device ID', and click 'OK'. The 'DEK Key / Device ID' can be found on the sticker of the xLine. An example of this key is 'XK8Y-GH36-BR1K-LSZA'.
4. A message will appear stating that the password is correct. Click 'OK' to confirm.
5. If this message does not appear, check the 'DEK Key' or 'Device ID' that you entered.
6. Repeat steps 1 to 5 for all xLINE adapters, until all are shown in the bottom list with a password in the 'Password' column.
7. Click the 'Privacy' tab.
8. Enter a made-up, secret network name in the 'Private Network Name' field.
9. Click 'Set All Devices', right of the center of the screen.
10. The message 'Devices were all added to your network' appears.
11. Click 'OK'.
12. Congratulations! Your xLINE home network is now secured. You do not need to repeat any of these steps on your other computers.

Hint: The 'Private Network Name' enables you to access your xLINE home network. Do not share this name with strangers! If you wish, you can write the 'Private Network Name' down, and keep the manual in a secure place.

Private Network name: _____

3.4 Add a new xLINE to your secured network

If you have a secured xLINE home network, and you wish to connect a new xLine adapter, you will need to set the so-called 'Private Network Name' on this new adapter. This can be done in two ways.

Option 1: The new xLINE is connected to a computer.

1. Install the software on the new computer as described in chapter 3.2.
2. Double click the 'Powerpacket Utility' on your desktop to open the software.
3. Click the 'Privacy' tab.
4. Enter the secret network name in the 'Private Network Name' field.
5. Click 'Set Local Device', right of the center of the screen.
6. The 'Powerpacket Utility' will indicate that the network name has been set.
7. Click 'OK'.
8. You can now check to see if there is a connection with the other adapters in the xLINE home network.
9. Click the 'Main' tab.
10. All xLINE adapters in your home network will now be visible and connected.

Option 2: The new xLINE is connected to another device, such as a game console.

1. Use the computer on which the software has already been installed, or install the software as shown in chapter 3.2
2. Click 'Add' on the bottom right of the screen.
3. You do not need to enter anything in the 'Device Name' field.
4. Enter the 'DEK key / Device ID' of the new xLINE in the 'Password' field.
5. Click 'OK'. The new xLINE will now be added.
6. Click the 'Privacy' tab.
7. Check the 'Private Network Name'. Enter the name again if needed.
8. Click 'Set All Devices', right of the center of the screen.
9. The message 'Devices were all added to your network' appears.
10. Click the 'Main' tab.
11. All xLINE adapters in the home network will now be visible and connected.

Your new xLINE has now been added to your xLINE network, and secured.

4.0 Frequently asked questions

Q. What is the LED on my xLINE adapter for?

A. The xLINE adapter actually has two LED's. One on the side of the power plug (top) and one on the side of the LAN port (bottom). The indications of these LED's are as follows:

- Top LED off: No link with power grid

- Top LED blinks: Searches/communicates with other xLINE adapter(s)
- Top LED on: Link with other xLINE adapter(s)
- Bottom LED off: No link with LAN network.
- Bottom LED blinks: Data traffic is happening
- Bottom LED on: Link with LAN network.

Q. My network is slow and unstable, what could be the cause?

- A 1. Make sure all adapters are directly connected to a wall-outlet. Use of extension cords or multiple connector boxes can severely influence the quality of the network. We especially discourage the use of connector boxes that are equipped with over-voltage protection.
- A 2. The signal depends on the age of the power grid in your house. The type of current meter can also be of influence, for instance because of built-in filters.
- A 3. If your house or office has three power phases the reception between the three different phases may be rather weak. In most situations the communication between the phases will be no problem. A three phase network can be recognized by the three main switches in the meter cupboard.

Q. My xLINE adapters do not communicate with each other?

- A. Check your network settings (see also chapter 6.0). Chances are these are not correctly configured. Your network needs a correctly functioning TCP/IP protocol that is configured as 'Automatically obtain an IP address'.

Q. Is my xLINE home network visible for my neighbors?

- A. Normally the xLINE signal is being filtered by the current meter in the meter cupboard and therefore too weak to be visible by your neighbors. We do however recommend you to secure your xLINE network.

Q. Can I amplify the xLINE signal? I need to bridge large distances or I need to couple different phases.

- A. Yes, the xLINE signal can be amplified. This can be done by using two different network names (for instance A and B) on two different locations after which you connect an xLINE adapter from location A to an xLINE adapter from location B, using a network cable.

5.0 Service and support

This user manual has been carefully written by Eminent's technical experts. If you have problems installing or using the product, please contact support@eminent-online.com.

6.0 Supplement

6.1 Supplement 1, Network settings for Windows 98 and Windows ME

1. Windows 95 and Windows 98: Right-click 'Network neighbourhood' on your desktop.
2. Windows ME: Right-click 'My network places' on your desktop.
3. Choose 'Properties'.
4. Select 'TCP/IP'.
5. Click 'Properties'.
6. Select 'Obtain an IP Address automatically'.
7. Click the 'WINS configuration' tab.
8. Select 'Disable WINS resolution'.
9. Click the 'DNS configuration' tab.
10. Click 'Disable DNS'.
11. Click the 'Gateway' tab.
12. Remove previously installed gateways.
13. Click 'Ok'.
14. Click 'Ok' in the 'Network' window.
15. Restart your computer.
16. Click 'Start'.
17. Click 'Run'.
18. Type 'Winipcfg'.
19. Click 'Ok'.
20. Windows will show the 'IP configuration window'.
21. Select the Ethernet adapter (Networking PCI adapter) connected to the eminent device.
22. Click 'Release all'.
23. Click 'Renew all'.
24. Click 'Ok'.

6.2 Supplement 2, Network settings for Windows 2000 and Windows XP

1. Right-click 'My network places' on your desktop.
2. Choose 'Properties'.
3. Right-click 'Local area connection'.
4. Choose 'Properties'.
5. Select 'Internet protocol (TCP/IP)'.
6. Click 'Properties'.
7. Select 'Obtain an IP Address automatically'.
8. Select 'Obtain a DNS server address automatically'.
9. Click 'Ok'.

10. Windows will show the 'Local area connection properties' window.
11. Click 'Ok'.
12. Windows 2000: Close the 'Network and dial-up connections' window.
13. Windows XP: Close the 'Network connections' window.
14. Restart your computer.
15. Click 'Start'.
16. Click 'Run'.
17. Type 'cmd'.
18. Push enter on your keyboard.
19. Type 'ipconfig /release'.
20. Push enter on your keyboard.
21. Type 'ipconfig /renew'.
22. Push enter on your keyboard.
23. Type 'Exit'.
24. Push enter on your keyboard.

6.3 Supplement 3, Network settings for Windows Vista

1. Click on the 'Start'-button at the left-bottom corner of the screen.
2. Click on 'Network' in the right column.
3. Click 'Network Center'.
4. Click 'Manage network connections' in the left column.
5. Double click on the correct 'LAN-connection'.
6. Click on 'Properties'.
7. If Vista asks for permission, click 'Continue'.
8. Select 'TCP/IPv4'.
9. Click 'Properties'.
10. Select 'Obtain an IP address automatically'.
11. Select 'Obtain a DNS server address automatically'.
12. Click 'OK'.
13. Vista shows a window with 'Local area connection properties'.
14. Click 'Close'.
15. Vista shows a window with 'Status of LAN-connection'.
16. Click on 'Close'.

6.3 Supplement 3, Configuring Internet Explorer version 5 and version 5.5

1. Start Internet Explorer.
2. Click 'Stop'.
3. When asked to establish a connection, press 'Cancel'.
4. Click 'Extra'.
5. Click 'Internet options'.
6. Click the 'Connections' tab.
7. Click the 'LAN settings' tab.

8. Uncheck 'Find Explorer settings automatically'.
9. Uncheck 'Use configuration script'.
10. Uncheck 'Use proxy-server'.
11. Click 'Ok'.
12. Remove dial-up connections by pressing 'Delete'.
13. Click 'Settings' to start the 'Internet' Wizard.
14. Select 'I would like to connect through a LAN network'.
15. Click 'Next'.
16. Check 'Automatically detect proxy-server'.
17. Click 'Next'.
18. Click 'No'.
19. Click 'Next'.
20. Click 'Complete'.
21. Close all Windows that are currently open.
22. Restart your computer.

6.4 Supplement 4, Configuring Internet Explorer version 6

1. Start Internet Explorer.
2. Click 'Stop'.
3. When asked to establish a connection, press 'Cancel'.
4. Click 'Extra'.
5. Click 'Internet options'.
6. Click the 'Connections' tab.
7. Click the 'LAN settings' tab.
8. Uncheck 'Find Explorer settings automatically'.
9. Uncheck 'Use configuration script'.
10. Uncheck 'Use proxy-server'.
11. Click 'Ok'.
12. Remove dial-up connections by pressing 'Delete'.
13. Click 'Settings' to start the 'New connection' Wizard.
14. Click 'Next'.
15. Select 'Connect to the Internet'.
16. Click 'Next'.
17. Select 'I want to connect to the Internet manually'.
18. Click 'Next'.
19. Select 'Permanent broadband connection'.
20. Click 'Next'.
21. Click 'Complete'.
22. Close all Windows that are currently open.
23. Restart your computer.

Declaration of Conformity

To ensure your safety and compliance of the product with the directives and laws created by the European Commission you can obtain a copy of the Declaration of Conformity concerning your product by sending an e-mail message to: info@eminent-online.com. You can also send a letter to:

Eminent Computer Supplies
P.O. Box 276
6160 AG Geleen
The Netherlands

Clearly state 'Declaration of Conformity' and the article code of the product of which you would like to obtain a copy of the Declaration of Conformity.



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