HomePlug Ethernet Bridge

Quick Installation Guide

Version 1.0 February, 2006
Multi-Languages QIG in Driver CD

Český: Anglického průvodce rychlou instalací naleznete na přiloženém CD s ovladači

Deutsch: Finden Sie bitte das englische QIG beiliegend in der Treiber CD (German)

Español: Incluido en el CD el QIG en Ingles.

Français: Veuillez trouver l’anglais QIG ci-joint dans le CD driver

Italiano: Incluso nel CD il QIG in Inglese.

Magyar: Az angol telepítési útmutató megtalálható a mellékelt CD-n

Nederlands: De engelstalige QIG treft u aan op de bijgesloten CD

Polski: Skrócona instrukcja instalacji w języku angielskim znajduje się na załączonej płycie CD

Português: Incluído no CD o QIG em inglês.

Русский: Найдите QIG на английском языке на приложеном CD

Türkçe: Ürün ile beraber gelen CD içインド Türkçe Hızlı Kurulum Kılavuzu'nu bulabilirsiniz
Chapter 1: Introduction

Front Panel

Back Panel

PWR: On  Receive Power  
       Off  Did not receive Power

HP:  On  Detect other HomePlug on the same network  
      Off  Did not detect any HomePlug on the same network

ETH: On  Detect Ethernet connection Blinking Ethernet activity
Chapter 2: Installation

Overview

The installation of the HomePlug Ethernet Bridge will only take minutes. No setting up for long wires throughout the house. Just simply install the software CD that is included in the box and after installation, physically plug the unit into the computer and the wall outlet. Users will have options to adjust its security functions and the platform of the network once everything is installed properly. For further assistance, please read our Frequently Asked Questions section.

Running the InstallShield Wizard

Please insert the CD into your CD-ROM and wait a moment for the setup screen to come up. If the CD-ROM does not auto run the CD, please click on ‘Start’ at the bottom left of your screen (for most Microsoft Windows) and go to ‘Run’. Type in: (CD Drive Letter):\\
setup.exe and click ‘OK’

Once the software is loaded it will display a dialog such as is:

Please click on ‘Next’ to continue the installation.
On this screen you will be asked to input the User Name and Organization. It is not crucial to the device itself so enter as desired. The ‘Install this application for’ will work under the circumstances which multiple logins are applied. For example: If the user wishes only he/she can use the utility with that particular account, then bubble in ‘Only for me’. For those without multiple accounts or wishes to allow all users to access the utility choose ‘Anyone who uses this computer (all users)’. When finished, click the ‘Next’ button to continue.
This section allows you to change the default directory where the program is installed. If you don’t want to change the directory click on **Next** to continue the installation process.

This section allows a user to go ‘**Back**’ or ‘**Install**’ the utility. In case if the user wishes to change the previous options then go ahead and click on ‘**Back**’ to change the settings. If not, continue and click the ‘**Install**’ button.

This screen shows the progress of the installation.
This screen shows that the installation was completed successfully. Click on Finish to exit the wizard. Now its time to setup you hardware connections please refer to the next diagrams.

**Setup up the hardware**

**Plug** your network cable into the computer’s RJ-45 network adapter port

Plug the other end of your network cable into the RJ-45 port locate at the back of the HomePlug Ethernet Bridge

Plug your power connector of your power cable into the power connector at the back of the HomePlug Ethernet Bridge

Plug the power plug of your power cable directly into a power outlet on the wall

**Note:** Do not plug the device into a UPS or power strip with surge protection. The HomePlug Ethernet Bridge has its own power filter for protection against surges.
Chapter 3: Configuration

Overview

The HomePlug device uses 56-bit DES encryption to block outside access. The key is set by using the HomePlug Configuration Utility on the CD. By default, the protection is enabled. However, it is recommended that you change the default network password. All your HomePlug devices must use the same network password in order for the computers to be networked. Make sure that all devices are loaded with the same network password.

Diagnose Powerline network

Part 1: Diagnose a Local HomePlug Device

Double click the PowerPacket Utility icon on your desktop to open this utility show in the screen below

The Main tab shows the HomePlug units that are connected to the current computer and other devices on the network. It will also tell Mac Address of each device. It will let you refresh the window, if you change devices, and also will allow you to connect to different networks if multiple units are connected to your computer.

*Note* If the Link Quality is poor, and appears red, or the Mac Address of any of the units connected to this computer appears to be all 0’s, then you might have a defective unit. Please contact technical support.
*Note* If you do not see ANY unit in the device status, and there is a device connected to your computer, try to unplug all devices, and plug them back in. Also make sure that the cable connecting your computer to the HomePlug device is the right type and working correctly. If all of this seems to be correct, and you still receive nothing in the Device window, try rebooting your computer. If the problem still persists, please contact technical support.

**Part 2: Diagnose a Network HomePlug device**

The Main tab shows all the other HomePlug Units on your powerline network. It will represent them by MAC Address, and will also show the available bandwidth to each unit (Units farther away from the current computer might have a lower Data Rate, since the distance is farther). If you add or subtract units from your home network, you might want to re-scan, by clicking the “Scan” button. This will rescan the network, and refresh with any changes.

**Note** Only units with the same Network Password will be shown, please check that first, to make sure they all have the same network password (Case sensitive).

**Note** If a Unit shows MAC Address of all 0’s, this unit might not have a solid connection, or might not connect at all. If this is the case please contact technical support.
**Note** If there are Units in your home, that you do not see in this Network scan, try to unplug all devices, and plug them back in (Only do this with the Units that you do not view in the network screen, you don’t have to do this with all units. If the problem persists, try to move the unit closer to this current unit (adjacent plugs on the same wall socket is most preferable). If the problem still persists and that unit is still not shown on the network, then the unit might be defective please contact technical support. Otherwise if you view the unit working, distance might be the only issue.

Setting Up Security on a Local HomePlug device

The Privacy tab will allow you to change the Network Password to the unit that is currently connected to this computer. This network password encrypts all data that is sent from this unit using 56-bit data encryption standard (DES). The DES Encryption is very secure, and very difficult to crack, therefore your home network is very secure, and very difficult to breach your home network.

**Note** Every unit on your home network MUST have the same Network Password for connectivity to be established throughout your home. The default network password is “HomePlug”.
Setting Up Security on a Network HomePlug device

The Privacy Tab will allow users to use one primary computer to control the Network Password of all units on the home network.

You will have to go back to the Main Tab first then find the DEK (Device Encryption Key) Key located on the bottom of each device. Enter this Key into the Device Password area. Click Add. This Device Key will then appear in the bottom window. Add all the DEK Keys for each unit in your house. You can now go back to the Main Tab then change the password remotely from one computer. This will allow you to change the password from one computer, instead of changing the password individually.

**Note** The DEK is unique for EACH HomePlug device. To use this you will need to input the DEK for each unit.