



## **POWERLINE ADAPTER**

### **200Mbps Powerline Ethernet Adapter**



## **QUICK INSTALLATION GUIDE**

HNPL200MS/HNPL200K2

[www.hamletcom.com](http://www.hamletcom.com)

Dear Customer,  
thanks for choosing an Hamlet product. Please carefully follow the instructions for its use and maintenance and, once this item has run its life span, we kindly ask You to dispose of it in an environmentally friendly way, by putting it in the separate bins for electrical/electronic waste, or to bring it back to your retailer who will collect it for free.



We inform You this product is manufactured with materials and components in compliance with ROHS directives: 2002/95/CE; with RAEE Directives: 2003/96/CE, Italian Legislative Decree 2005/151 and below EEC Directives:

EN 55022: 2006 (Class B)

EN 61000-3-2: 2000 + A2: 2005

EN 61000-3-3: 1995 + A1: 2001 + A2: 2005

EN 55024: 1998 + A1: 2001 + A2: 2003

IEC 61000-4-2: 1995 + A1: 1998 + A2: 2000;

IEC 61000-4-3: 2002 + A1: 2002;

IEC 61000-4-4: 2004; IEC 61000-4-5: 1995 + A1: 2000;

IEC 61000-4-6: 1996 + A1: 2000;

IEC 61000-4-8: 1993 + A1: 2000;

IEC 61000-4-11: 2004

## **Trademarks**

All trademarks and company names mentioned in this manual are used for description purpose only and remain property of their respective owners.

## **Changes**

The material in this document is for information only and subject to change without notice. Hamlet reserves the right to make changes or revisions in the product design or the product manual without reservation and without obligation to notify any person of such revisions and changes.

## System Requirements

- Pentium III 300MHz processor or above
- Windows 98SE/Me/2000/XP and Vista
- 64MB RAM or above
- 25MB free disk space

## Package Contents

- Powerline Ethernet Adapter
- CD-ROM (Software & Manual)
- Quick Installation Guide
- Ethernet Cable (RJ-45)

## LED Meaning

Your Powerline Ethernet Adapter has indicator lights on the front side. Please see below for an explanation of the function of each indicator light.



Power indicator






Powerline active indicator



Ethernet active indicator

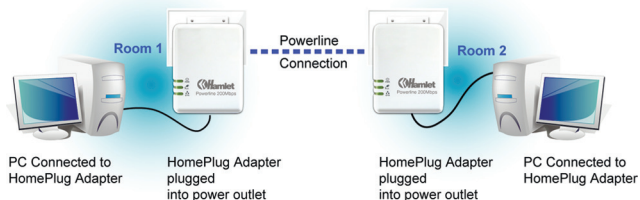
Table 1.1-- 1 Ethernet Port LED function

Label	Color	On	Flash	Off
 PWR	Green	Power On	NA	Power Off
 PLC	Green	Powerline Connected	Transmit / Receive Data	Powerline Disconnected
 ETH	Green	Ethernet Connected	Transmit / Receive Data	Ethernet Disconnected

# Installation & Setup

Follow each step carefully and only go to the next step once you have completed the previous step.

## 1. Connection of Powerline Adapter



1. Connect the supplied RJ45 Ethernet cable from your PC's Ethernet port to the Powerline Ethernet Adapter's LAN Ports.
2. Connect the Powerline Ethernet Adapter to your wall-mounted power outlet.

## 2. Installation of Powerline Utility

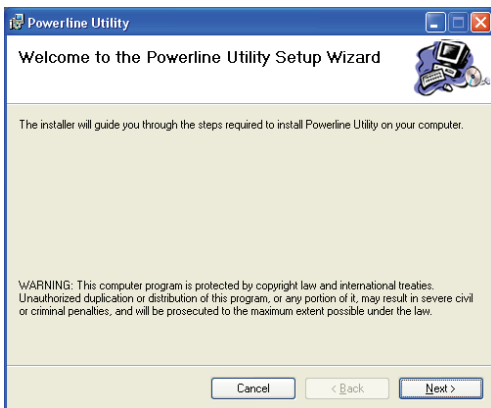
The Configuration Utility for Windows OS enables the users to identify HomePlug devices on the Powerline network, measures data rate performance, ensures privacy and performs diagnostics by setting user defined secure Powerline networks.

Users are requested to verify that no other Encryption Management Utilities are installed prior to the installation of this utility. Other utilities should be uninstalled before installing this utility.

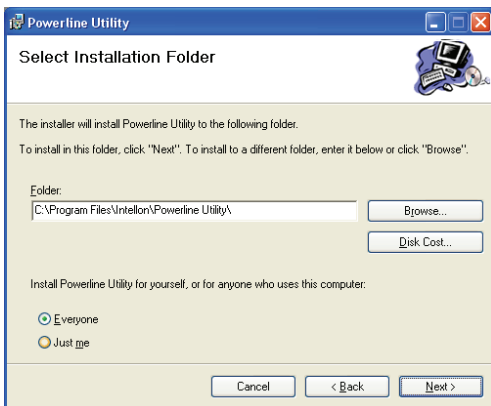
1. Please insert the supplied CD into your CD-ROM drive again.
2. The CD should auto-start, displaying the window shown in 3 below. If your CD does not start automatically go to Windows Explorer, Select your CD drive and double click "**autorun.exe**"
3. Please select "**Powerline Utility**".



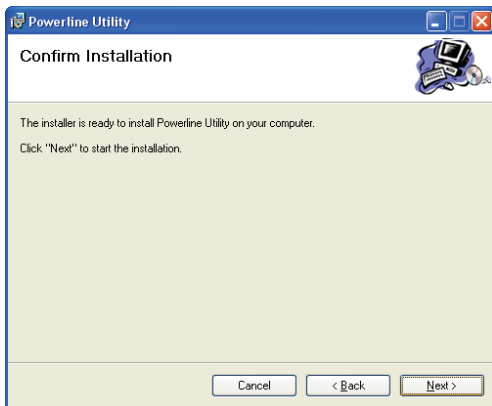
4. If you click the **“Powerline Utility”** button, the screen will appear as shown in below. Click the **“Next”** button to continue.



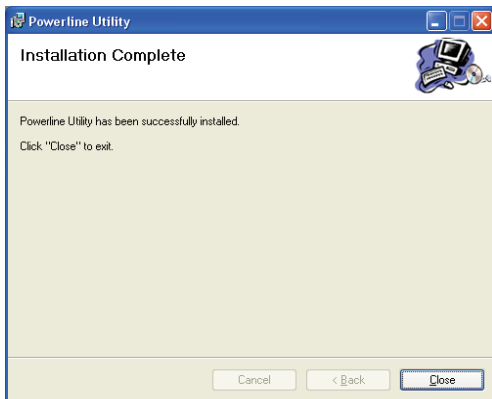
5. Please click the **“Next”** button



6. Please click the **“Next”** button



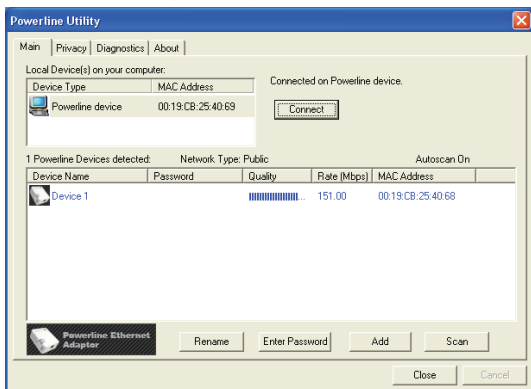
7. Please click the **“Close”** button to finish.



8. In order to start the utility, double-click the utility icon on screen.



9. You can see your device working well via the Utility. The top panel of the screen shot shows a Homeplug device connected locally to your computer. The bottom panel shows the devices connected remotely to the computer running the utility.



**Now, the Powerline Ethernet Adapter has been configured and works inside 200Mbps Powerline Ethernet.**



### 3. Reset and Network ID Buttons Setting

There are 2 buttons on the device, one is Reset button the other is Network ID button.

#### **Reset button**

Push this button can reset to the factory default settings. Be careful, when you press the reset button, please remove the Ethernet cable (RJ-45 cable) first, and then press the reset button. After press the reset button for less than 3 seconds and then wait the PWR LED light again. Don't power off when the device is in reset process.

#### **Network ID button**

auto secure and group the Powerline devices, the follow is the scenario for secure button.

#### **Network ID Button trigger state conditions**

There are two possible state conditions for a Powerline Adapter:

*"Adder state"* for a device providing the NMK (Network Membership Key) for an existing AVLN

*"Joiner state"* for a device that will join an AVLN

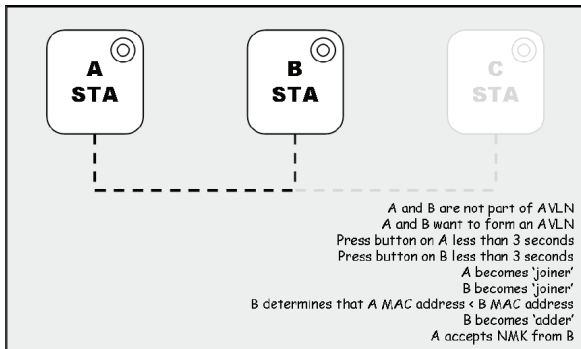
Pushing buttons on any two devices results in one of them becoming an "adder" and the other one a "joiner"

# Four possible scenarios

## Case 1: Forming a Network

Two devices with different Network Membership Key (NMK) values are connected to the same powerline. The user wants them to form a logical network.

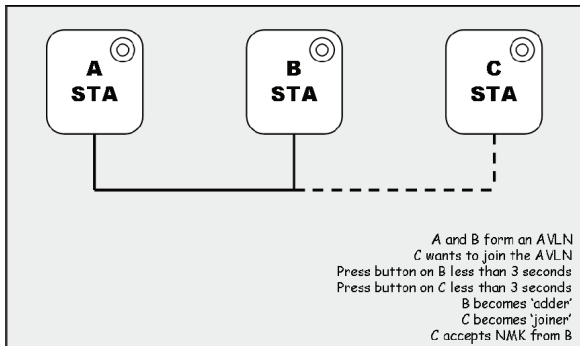
1. Press each device Network ID button > 10 sec till all LEDs re-flash to generate the random network password key first.
2. Press the button on the first device for less than 3 seconds.
3. Press the button on the second device for less than 3 seconds. The button on the second device must be pressed within 1 minute, by default however the interval is programmable.
4. Wait for connection to complete.



## Case 2: Joining a Network

In this scenario a network exists. The user wants a new device, the 'joiner', to join the network. Any device on the existing network can become the 'adder'.

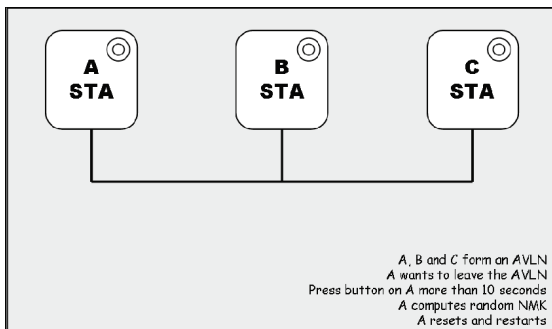
1. Press the Network ID button on the 'joiner' for at least 3 seconds.
2. Press the Network ID button on any network device for less than 3 seconds, making it the 'adder'. You have 1 minute, by default, to press this Network ID button.
3. Wait for connection to complete.



### Case 3: Leaving a Network

A network exists. The user wants to remove one device, the 'leaver', from that network, for whatever reason. He may want to remove the device from service altogether or have it join another logical network.

1. Press the Network ID button on the 'leaver' for at least 10 seconds. The device will reset and restart with a random NMK.
2. Wait for reset to complete.



### Case 4: Join Multiple Devices to a Network

To add several new devices to an existing network, the process in Case 2 must be repeated for each 'joiner'. A vendor may implement a mode of operation in which an 'adder' device in the network remains in the adder state for an extended period allowing additional 'joiners' to be added in turn. This lets you press the 'adder' Network ID button once then press each 'joiner' Network ID button in turn.

If Network ID buttons are pressed on two or more joiners, only the first one will respond. The second will not. This makes timing important.

**For details, please refer to the Chapter 4 of User Manual on the CD.**