TRENDNET®

Quick Installation Guide 🇺🇸 🇬🇧

TPL-401E
TPL-401E2K
1.01

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ENGLISH

Package Contents
• TPL-401E/TPL-401E2K
• CD-ROM (Utility and User's Guide)
• Multi-Language Quick Installation Guide
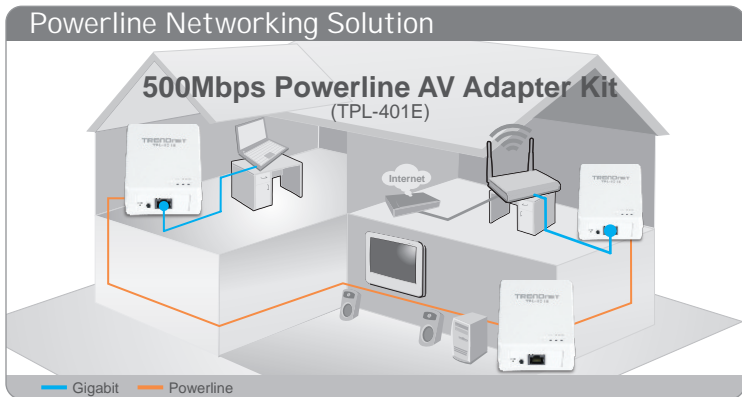• Cat.5 Ethernet Network Cable (1.5m/5ft)

System Requirements

• CD-ROM drive
• A Desktop or Laptop PC with Network Adapter Installed
• Existing 10/100Mbps wired network when TPL-401E is used as a bridge device
• Additional 200Mbps HomePlug® AV or IEEE 1901 compliant powerline adapter (e.g. TRENDnet TPL-303E, TPL-304E, TPL-305E, TPL-310AP, or another TPL-401E) (Note: This requirement is for the TPL-401E only. The TPL-401E2K already includes two TPL-401E adapters)

Software Utility Requirements

Supported Operating Systems	CPU	Memory
Windows 7 (32/64-bit)	1GHz or above	1GB RAM or above
Windows Vista (32/64-bit)	800MHz or above	512MB RAM or above
Windows XP (32/64-bit)	300MHz or above	256MB RAM or above

Note:
The configuration utility will allow you to add security to your powerline network by providing you with the ability to change the default network name and create your own personal network name for your powerline network. The utility can also help you troubleshoot connectivity between powerline adapters by verifying the network name. Please refer to the User's Guide on the TPL-401E/TPL-401E2K CD-ROM for instructions on installing and using the utility.

Powerline Networking Solution

500Mbps Powerline AV Adapter Kit
(TPL-401E)

Internet

▬ Gigabit ▬ Powerline

The example diagram shows a typical powerline network configuration in a home environment with 3 powerline adapters installed in different rooms. The orange line represents the powerline connectivity established through your home's electrical system and the blue lines represent Cat. 5, 5e, 6 Ethernet connectivity to your network enabled appliances such as a computer, router, or IP set top box connected to your television.

Note:

1. DO NOT install the TPL-401E until instructed to do so.

2. DO NOT plug the TPL-401E into a surge protector or power strip.

3. Avoid connecting the TPL-401E into an outlet that has appliances (e.g. refrigerators, washer and dryer) plugged in.

4. In order for the TPL-401E adapters to link to each other, each unit must be on the same electrical system.

5. A maximum of 16 TPL-401E adapters can be networked.

6. Assuming that the TPL-401E adapters are configured with the default settings, to create a powerline network, simply connect all TPL-401E adapters to wall outlets that are on the same electrical system. No additional configuration in the utility is necessary.

7. The network name must be the same on all powerline adapters in order to establish connectivity. If the network name is not the same on all powerline adapters, the adapters will NOT establish connectivity. The default network name for the TPL-401E is "HomePlugAV".

Below is an example showing how to create a Powerline network using the TPL-401E and your existing router to share Internet.

1. Plug a TPL-401E into an available power outlet. This TPL-401E should be located within the reach of the router's network cable.

Outlet

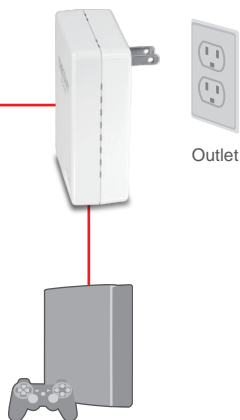2. Connect a network cable from the TPL-401E to an available LAN network port on your router (e.g. TEW-673GRU).

3. Plug a second TPL-401E into an available power outlet where your remote computer or network appliances (e.g. Game Console, IP Set box, network enabled TV, etc.) are located.

Outlet

4. Connect a network cable from the TPL-401E network port into the network port on your remote computer or network appliance (e.g. Game Console, Blu-ray player, IP Set box, network enabled TV, etc.).

Outlet

5. Verify that the PWR (Power), PL (Powerline) and ETH (Ethernet Link/ACT) LEDs are on for both TPL-401E adapters.
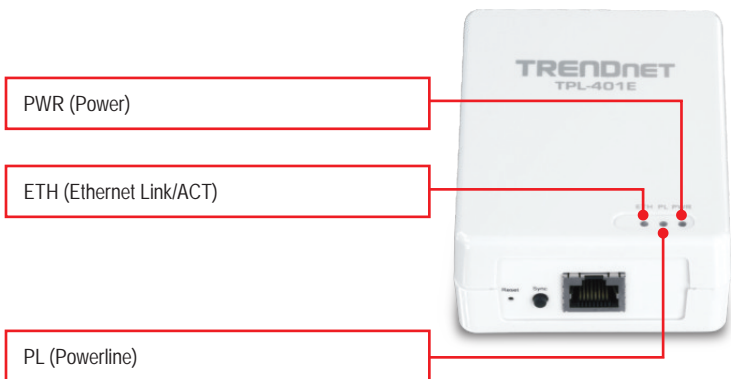
Your installation is now complete
For detailed information regarding the the TPL-401E/TPL-401E2K, configuration and advanced settings, please refer to the Troubleshooting section, User's Guide on the Utility CD-ROM, or TRENDnet's website at http://www.trendnet.com.
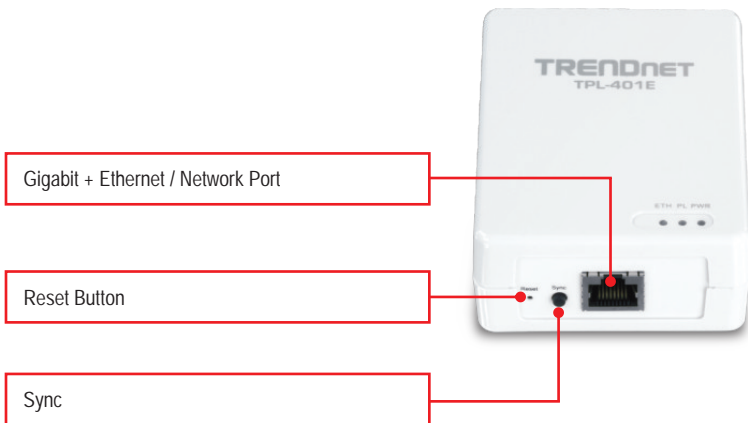
Register Your Product
To ensure the highest level of customer service and support, please take a moment to register your product Online at: www.trendnet.com/register
Thank you for choosing TRENDnet

ENGLISH

FRANÇAIS

DEUTSCH

ESPAÑOL

РУССКИЙ

PWR (Power)

ETH (Ethernet Link/ACT)

PL (Powerline)

The Gigabit Ethernet/Network Port and Reset buttton are located at the bottom of the device.

Gigabit + Ethernet / Network Port

Reset Button

Sync

Note:
Please refer to the User's Guide on the TPL-401E/TPL-401E2K's User's Guide CD for detailed explanations of each LED and button.

1. I have verified that my Powerline device is connected to my workstation, but I cannot detect other Powerline devices. What should I do?

1. Verify that you are using Cat. 5, Cat. 5e or Cat. 6 Ethernet network cables for each TPL-401E adapter.
2. Verify that the power outlet of the TPL-401E adapter is plugged into is on the same electrical system and/or circuit breaker box.
3. If you are still not able to establish connectivity after performing the above steps, please reset both of the TPL-401E adapters to factory default. The default network name/key is "HomePlugAV". The Reset button is located on the bottom of the TPL-401E.
    1. With a pin or paperclip, press and hold the reset button for 1 second and release it. The LEDs will turn off and turn back on.
    2. To verify connectivity, the PL LED will become solid when the powerline adapters establish connectivity. The TPL-401E powerline adapters must have the same network name/key in order to connect to each other.

Note: If you have problems resetting the device, unplug the powerline adapter(s) from the power outlet, wait 15 seconds and plug the adapter(s) back into the outlet, then repeat the reset procedure.
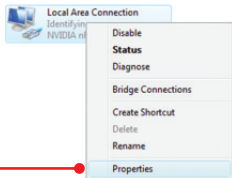
2. I can detect my Powerline devices on my Powerline network, but I cannot connect to the Internet. What should I do?

Assuming that the Powerline network is connected to a router:
1. Make sure you are not connecting the device into a surge protector or power strip.
2. Make sure that your Router is connected to the Internet and one of the Router's LAN ports is connected to the TPL-401E's network port). Check both TPL-401E and the router's network port LED for positive connection status.
3. Make sure your computer's TCP/IP settings are set to Obtain an IP address automatically (see the steps below).

Windows 7

1. Go into the Control Panel, click Network and Internet, click Network and Sharing Center, click Change Adapter Settings and then right-click the Local Area Connection icon and then click Properties.
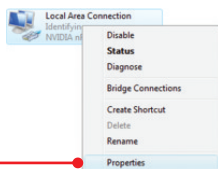

2. Click Internet Protocol Version 4(TCP/IPv4) and then click Properties. Then click on Obtain an IP address automatically.
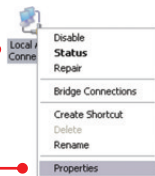
Windows Vista

1. Go into the Control Panel, click Network and Internet, click Network and Sharing Center, click Manage Network Connections and then right-click the Local Area Connection icon and then click Properties.

2. Click Internet Protocol Version 4(TCP/IPv4) and then click Properties. Then click on Obtain an IP address automatically.

Windows XP/2000

1. Go into the Control Panel, double-click the Network Connections icon and then right-click the Local Area Connection icon and then click Properties.

2. Click Internet Protocol (TCP/IP) and then click Properties. Then click on Obtain an IP address automatically.

4. I have a HomePlug 1.0 or HomePlug Turbo network. Can I use this with my network?
   The TPL-401E is not backwards compatible with HomePlug 1.0 or HomePlug Turbo.

5. Do I need to reconfigure my TPL-401E after I hit the reset button?
   No, the TPL-401E adapter should automatically establish connection once both units are reset to default settings.

If you still encounter problems or have any questions regarding the TPL-401E, please refer to the User's Guide included on the Utility CD-ROM or contact TRENDnet's Technical Support Department.

Declaration of Conformity

TRENDnet

Company Information:

Company Name:
TRENDnet, Inc.

Company Address:
20675 Manhattan Place
Torrance, CA 90501
USA

Product Information:

Product Description:
500Mbps Powerline AV Adapter

Model Number:
TPL-401E

Brand name:
TRENDnet

CE

Technical Standards:

EN 55022 : 2006 + A1 : 2007
EN 61000-3-2 : 2006
EN 61000-3-3 : 2008
EN 50412-2-1 : 2005
EN 60950-1 : 2006 + A11 : 2009

Declaration:

The product is herewith confirmed to comply with the requirements of Directive 1999/5/EC of the Council (European Parliament) on the radio and telecommunications terminal equipment and Energy-related products Directive 2009/125/EC.

I hereby declare that the products and devices mentioned above are consistent with the standards and provisions of the guidelines.

Sonny Su	Director of Technology
Full Name	Position / Title
October 1, 2010	
Date	Signature

Certifications

This equipment has been tested and found to comply with FCC and CE Rules.
Operation is subject to the following two conditions:

(1) This device may not cause harmful interference.

(2) This device must accept any interference received. Including interference that may cause undesired operation.

NOTE: THE MANUFACTURER IS NOT RESPONSIBLE FOR ANY RADIO OR TV INTERFERENCE CAUSED BY UNAUTHORIZED MODIFICATIONS TO THIS EQUIPMENT. SUCH MODIFICATIONS COULD VOID THE USER'S AUTHORITY TO OPERATE THE EQUIPMENT.

ADVERTENCIA

En todos nuestros equipos se mencionan claramente las caracteristicas del adaptador de alimentacón necesario para su funcionamiento. El uso de un adaptador distinto al mencionado puede producir daños fisicos y/o daños al equipo conectado. El adaptador de alimentación debe operar con voltaje y frecuencia de la energia electrica domiciliaria existente en el pais o zona de instalación.

Description of Modes

Erp (EuP) Operation: Standby Mode

The EUT has no external mechanical switch and uses an internal program to control active and standby modes.

Disconnect the Ethernet cables from the device Ethernet ports, and after 3 minutes, the device will enter standby mode. The Power (PWR) LED will flash every 15 seconds to indicate that the device is currently in standby mode. To return to active mode, reconnect the Ethernet cables to the device Ethernet ports, and the device will re-enter active mode.

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Product Warranty Registration

Please take a moment to register your product online.
Go to TRENDnet's website at http://www.trendnet.com/register