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You can read the recommendations in the user guide, the technical guide or the installation guide for NETGEAR XET1001. You'll find the answers to all your questions on the NETGEAR XET1001 in the user manual (information, specifications, safety advice, size, accessories, etc.). Detailed instructions for use are in the User's Guide.

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Instruction manual NETGEAR XET1001

XET1001 Wall-Plugged Ethernet Adapter User Guide



NETGEAR

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Italic **Bold** Fixed *italic* Emphasis, books, CDs, file and server names, extensions User input, IP addresses, GUI screen text Command prompt, CLI text, code URL links · Formats. This manual uses the following formats to highlight special messages. Note: This format is used to highlight information of importance or special interest. Tip: This format is used to highlight a procedure that will save time or resources. Warning: Ignoring this type of note may result in a malfunction or damage to the equipment.

Danger: This is a safety warning. Failure to take heed of this notice may result in personal injury or death. 1 v1.0, January 2008 XET1001 Wall-Plugged

Ethernet Adapter User Guide · Scope. This manual is written for the XET1001 Wall-Plugged Ethernet Adapter according to these specifications. Product version Manual publication date XET1001 85 Mbps Wall-Plugged Ethernet Adapter January 2008 Product updates are available on the NETGEAR website at <http://www.netgear.com/support>. How to Print This Manual To print this manual, you can choose one of the following options, according to your needs. Your computer must have the free Adobe Acrobat Reader installed in order to view and print PDF files.

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2 v1.0, January 2008 XET1001 Wall-Plugged Ethernet Adapter User Guide Package Contents The product package should contain the following items: · One or two XET1001 85 Mbps Wall-Plugged Ethernet Adapters, depending on whether you purchased a single unit or a bundle.*



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@@@You can use them to verify connections. The table below describes the lights on the front panel. Table 2-1.

@@Power is supplied to the PowerLine adapter. · Blink. Power-on self-test. · Off. Power is not supplied to the PowerLine adapter.

· On. @@· Blink. Data is being transmitted or received on the PowerLine network. · Off. No other PowerLine devices detected on the PowerLine network. · On green solid. @@@@· Off. @@An example is illustrated in the following diagram for a minimal network consisting of two PowerLine devices: Internet Access Router Computer XET1001 Ethernet Network PowerLine Network (always encrypted) XET1001 Ethernet Network Computer Figure 4 Follow the instructions below to set up your PowerLin· · · 8 v1.0, January 2008 XET1001 Wall-Plugged Ethernet Adapter User Guide To install the PowerLine Encryption Utility, follow these steps: 1. @@The CD starts automatically.

@@All devices on a PowerLine network can be managed from one computer. @@@@Choose the location. Type a new folder name or select another location using the folder options and then click OK. Next. Accept the default location. 6. The InstallShield Wizard indicates that the program is ready to install. Figure 12 7. Click Install. 8.

When the installation is complete, click Finish. 11 v1.0, January 2008 XET1001 Wall-Plugged Ethernet Adapter User Guide Set Your Network Password The fastest and most reliable way to set the network password is to set the password for all devices at once. To do this, you need the device password on the back label of each PowerLine device. There are two steps to setting the password: first enter the device password for each remote PowerLine device, and then set the network password.

1. Enter the device password for each remote PowerLine device: a. Make sure that all PowerLine devices are plugged into 100~240V AC wall sockets. b. Start the PowerLine encryption utility and click the Main tab.

Figure 13 c. Check that the utility lists all the remote PowerLine devices d. Select a PowerLine device and, if more than one remote device is listed, identify it from the MAC address. 12 v1.0, January 2008 XET1001 Wall-Plugged Ethernet Adapter User Guide e. Click Enter Password. Figure 14 f. Enter the password recorded from the label on the back of the selected PowerLine device. g. Click OK.

h. Repeat this step for all devices that you want attached to your network. 2. Set the network password. a. Select the Security tab. Figure 15 b. Type a password in the Private Network Password text box. c. Click Set All Devices.

A pop-up window indicates that the operation was successful. 13 v1.0, January 2008 XET1001 Wall-Plugged Ethernet Adapter User Guide Add a Device to an Existing PowerLine Network To add a device to a PowerLine network with the default network password, all you need to do is plug the new device into a power outlet. If the network password has been set, then you will need to run the PowerLine encryption utility to set the new device to the network password. How you do this depends on whether the computer running the PowerLine encryption utility is connected directly to the new PowerLine device (local) or is connected to a different device in the PowerLine network (remote).

Adding a New Device from a Locally Connected Computer 1. Plug the new PowerLine device into an available AC power outlet and connect it to an Ethernet port on the computer. 2. Start the PowerLine encryption utility and select the Security tab. 3.

Type the network password in the Private Network Password text box and click Set Local Device Only. 4. Select the Main tab and check that the other devices in the PowerLine network appear in the device list. It may take a minute or two for all devices in the network to be detected. Adding a New Device from a Remotely Connected Computer 1. Note the device password given on the label on the back of the new PowerLine device. 2. Plug the new PowerLine device into an AC power outlet. 3. Start the PowerLine encryption utility on the remote computer and select the Security tab.

4. Click Use Default (Public Network). The password in the Private Network Password text box changes to the default password, HomePlug. 5. Click Set All Devices. 6. Select the Main tab and wait for the new PowerLine device to be listed. 7. Select the new PowerLine device from the device list, and click Enter Password. 8.

In the pop-up window, enter the password from the back label of the device and click OK. 9. Select the Security tab. 10. Re-enter the network password in the Private Network Password text box, and then click Set All Devices.

14 v1.0, January 2008 XET1001 Wall-Plugged Ethernet Adapter User Guide Troubleshooting This chapter gives information about troubleshooting your XET1001 85 Mbps Wall-Plugged Ethernet Adapter. After each problem description, instructions are provided to help you diagnose and solve the problem.

NETGEAR Product Registration, Support, and Documentation Register your product at <http://www.netgear.com/register>.

Product updates and Web support are available at: <http://www.netgear.com/support>. When the PowerLine adapter is connected to the Internet, click the Knowledge Base or the Documentation link under the Web Support menu to view support information or the documentation for the PowerLine adapter. Basic Functioning After you plug in the PowerLine adapter, the following sequence of events should occur: 1. When power is first applied, verify that the Power light is on. 2. After approximately 10 seconds, check the LEDs on the PowerLine adapter. The following should occur: a.

The power LED is solid green. b. The blue HomePlug LED is lit. c. The Ethernet LED blinks. If any of these conditions does not occur, refer to the appropriate following section. Power Light Not On Make sure that, if power to the AC power outlet is controlled by a wall switch, the wall switch is in the on position. Verify that the wall socket is live. To do this, disconnect the PowerLine adapter and plug in another electrical product, such as a lamp or a hairdryer. 15 v1.

0, January 2008 XET1001 Wall-Plugged Ethernet Adapter User Guide If the Power LED still does not come on, and you have confirmed the power outlet is live, you have a hardware problem and should contact technical support. @@@@When connecting the router's Internet port to a cable or DSL modem, use the cable that was supplied with the cable or DSL modem. This cable could be a standard straightthrough Ethernet cable or an Ethernet crossover cable. On the attached Ethernet device or network adapter card, check that the Link light is on. · 16 v1.

0, January 2008 XET1001 Wall-Plugged Ethernet Adapter User Guide Technical Specifications This section provides default settings and technical specifications for the XET1001 85 Mbps WallPlugged Ethernet Adapter. Default Configuration Settings Table 2-1. PowerLine Device Default Configuration Settings Feature Encryption Utility Network Port Speed Port Duplex Auto-negotiation Auto-negotiation Description Enabled Administration Device password Management IP Configuration PowerLine Encryption password HomePlug See product label.



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DHCP Technical Specifications Power Requirements Dimensions Weight Operating temperature Operating humidity Powerline standard HomePlug Frequency Data Encoding 100~240V AC 98mmx 72mm x 40mm (Height x Width x Depth) 0.146kg 32° to 104° F (0° to 40°C) 90% maximum relative humidity, noncondensing HomePlug 1.

0 4.3-20.9 Mhz HomePlug 1.0: Othogonal Frequency Division Multiplexing (OFDM), DQPSK, DBPSK, ROBO 17 v1.0, January 2008 XET1001 Wall-Plugged Ethernet Adapter User Guide HomePlug Security Electromagnetic emmissions Power and Safety DES (56 bit) FCC Part 15 Class B; CE-EMC Class B UL Listed (UL 1950) /cUL IEC950; CE LVD 18 v1.0, January 2008 Images/NetgearLogo.jpg @ 96 dpi i images/HDXB101_images_13April06.jpg @ 300 dpi i images/icon_pointer.gif @ 96 dpi 1 images/icon_warning.gif @ 200 dpi 1 images/icon_danger.

gif @ 200 dpi 1 images/Fig2-1Front.jpg @ 96 dpi 4 images/Power_ai11_091304.ai 4 images/Powerline_ai11_091304.ai 4 images/Ethernet_ai11.ai 4 images/power strip [Converted]_rotated.eps 6 images/XE103+Router [Converted].ai 7 Images/XET1001MainNavScreen.jpg @ 96 dpi 9 images/XE104Install_1.jpg @ 96 dpi 10 images/Fig2-7_XE104Install1A.jpg @ 96 dpi 10 images/Fig2-8_XE104Install_1B.jpg @ 96 dpi 11 images/Fig2-9_XE104Install_1C.jpg @ 96 dpi 11 images/Fig2-10_XE104Install_1D.jpg @ 96 dpi 11 images/PowerlineUtilMainTab.jpg @ 96 dpi 12 images/PowerlineUtilDevPW.jpg @ 96 dpi 13 images/PowerlineUtilSecurityTab.jpg @ 96 dpi 13 1 v1.0, January 2008 2 v1.0, January 2008 .



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