Asus WLAM604g User Manual

11g wifi adsl router

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Related Manuals for Asus WLAM604g

Summary of Contents for Asus WLAM604g

Page 3: Table Of Contents

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Page 5: Package Contents

WL-AM604g 11g WiFi ADSL Router User Manual xDSL LINK Package contents • WL-AM604g 11g WiFi ADSL Router • AC power adapter (type varies by region) • Categroy 5 (CAT5) Ethernet cable • Telephone cable • Splitter (type varies by region) • Support CD (with User Guide included) •...

Page 6: Hardware Overview

WL-AM604g 11g WiFi ADSL Router User Manual xDSL LINK Hardware overview Front panel The WL-AM604g 11g WiFi ADSL Router front panel contains LED indicators which shows the status of WL-AM604g. xDSL Power LINK Alarm LAN1-LAN4 xDSL Activity Description Solid Wireless is enabled. No light Wireless is disabled. Blinking There is wireless traffic.

Page 7: Rear Panel

WL-AM604g 11g WiFi ADSL Router User Manual xDSL LINK Rear panel ON/OFF RESET CONSOLE POWER LINE Line port ON/OFF switch Console port Power connector LAN1-LAN4 ports Reset button Label Description ON/OFF Press to turn the router on and off. POWER Connects to a 15 VAC AC power adapter. RESET Restart—Using a pointed object such as a ballpen, press the button for less than four seconds.

Page 8: Hardware Connections

Use the ADSL splitter supplied in the package to split ADSL signal and telephone service. Connect your ASUS WL-AM604g 11g WiFi ADSL Router to the DSL port of the splitter with the telephone cable supplied in the package. Use another telephone cable to connect your telephone to the Phone port of the ADSL splitter.

Page 9: Connecting To The Internet

WL-AM604g 11g WiFi ADSL Router User Manual xDSL LINK Connecting to the Internet Before you proceed Before proceeding, you need to: • Ensure the cable connections are correct and WL-AM604g is powered ON; and • Acquire an active Internet service, such as an ADSL account. We recommend using wired connection for initial configuration, which may help avoid possible setup problems due to wireless uncertainty.

Page 10: Login To The Web Configuration Interface

WL-AM604g 11g WiFi ADSL Router User Manual xDSL LINK Getting dynamic IP address Open Control Panel -> Local Area Network Connection, double-click Local Connection icon, then double-click Internet Protocol (TCP/IP). Select Obtain an IP address automatically and Obtain DNS server address automatically, then click OK. Assigning IP address manually Open Control Panel -> Local Area Network Connection, double-click Local Connection icon, then double-click Internet Protocol (TCP/ IP).

Page 11: Quick Setup

WL-AM604g 11g WiFi ADSL Router User Manual xDSL LINK Quick setup Login to the WL-AM604g configuration page 1. Key in 1□2.168.1.1 in the address box of your web browser and press Enter. 2. A login window appears for the username and password. The default username is admin, password is admin (in lower case). 3.

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WL-AM604g 11g WiFi ADSL Router User Manual xDSL LINK * If your connection type is MER (DHCP) Click Next if your connection type is MER (DHCP). If your actual connection is not MER(DHCP), click Manual Setting to manually set up WL-AM604g. Refer to pages 11-14 for

manual setting instructions.

Page 13: Manual Setup

WL-AM604g 11g WiFi ADSL Router User Manual xDSL LINK Manual Setup If you encounter difficulty when configuring your ADSL connection with Quick Setup, click Manual Setting to manually set up your WL-AM604g. ADSL Setup 1. Select your Country and ISP and click Next. 2. If your country and ISP are not on the list, select Not list, key in your VPI and VCI values and click Next.

Page 14 WL-AM604g 11g WiFi ADSL Router User Manual xDSL LINK 3. Select your connection type and click Next. You can get the connection type from your ISP. * If your connection type is PPPoA or PPPoE For dynamic IP users Key in your PPP username, password, and service name then click Next. For static IP users Check Use Static IP Address then key in your IP address, then click Next.

Page 15 WL-AM604g 11g WiFi ADSL Router User Manual xDSL LINK * If your connection type is MER For dynamic IP users Check Obtain an IP address automatically, Obtain default gateway automatically, and Obtain DNS server address automatically, then click Next. For static IP users Check Use the following IP Address, Use the following default gateway, and Use the following DNS server address, then key in the addresses in the corresponding fields.

Page 16 WL-AM604g 11g WiFi ADSL Router User Manual xDSL LINK Wireless Setup 1. Designate an SSID (network name) for WL-AM604g. Choose the security level then enter a key. The number of digit of your key depends on the security level you choose. Refer to the note on the web page. When finished, click Next. 2.

Page 17: Connecting Wl-Am604G With Asus Wlan Card

Connecting WL-AM604g with ASUS WLAN Card Configuring ASUS WLAN Card with One Touch Wizard™ If you have installed ASUS wireless card together with its utilities and drives on your PC, click Start -> All Programs -> ASUS Utility-> WLAN Card -> One Touch Wizard to launch the One Touch Wizard utility.

Page 18 WL-AM604g 11g WiFi ADSL Router User Manual xDSL LINK 5. Set up the IP address of the WLAN Card based to your network environment. After the setup is completed, click Finish to exit the One Touch Wizard. ® Configuring WLAN card with Windows WZC service ® You can also use Windows Wireless Zero Configuration service to set up the wireless connection with WL-AM604g.

Page 19: Wireless Settings

WL-AM604g 11g WiFi ADSL Router User Manual xDSL LINK Wireless settings This chapter describes how to configure the wireless features of your ASUS WL- AM604g 11g ADSL Wireless Router. Setting up an SSID Service Set Identifier (SSID) is also known as the name of a wireless network. To connect a wireless router, or to form a wireless bridge system, all wireless routers or APs or clients must have the same SSID.

Page 20 WL-AM604g 11g WiFi ADSL Router User Manual xDSL LINK WPA/WPA2: WPA stands for WiFi-Protected Access. WPA provides two security modes for Home/SOHO user and enterprise network. The former solution adopts Pre-Shared Key for authentication, and the latter uses the existing 802.1X RADIUS server in the enterprise network to process the authentication requests.

Page 21 To obtain system-generated keys, select Enable ASUS PassPhrase and key in a passphrase, and the system automatically generates four network keys for you. You can also disable ASUS Passphrase and enter four keys manually. Take note of the passphrase (if any) and keys.

Page 22 WL-AM604g 11g WiFi ADSL Router User Manual xDSL LINK 802.1X 1. Click Wireless -> Security in the navigation menu to open the configuration page. 2. Select 802.1X in the Network Authentication field to enable authentication using RADIUS server in your network. 3. Key in the RADIUS Server IP address, RADIUS port (the default value is 1812), and RADIUS Key.

Page 23 WL-AM604g 11g WiFi ADSL Router User Manual xDSL LINK 3. Set the WPA2 Preauthentication to Enabled if you want to use this function. 4. By default, the Network Re-auth Interval is 36000 seconds. Set up this value based on your network environment. 5. To set up

RADIUS server information, key in the WPA Group Rekey Interval, RADIUS server IP address, RADIUS port, and RADIUS Key.

Page 24: Mac Filter

Example: WL-AM604g(wireless bridge with Internet access), WL-500gP (wireless bridge), and WL-500gD (wireless bridge). Refer to the illustration on the next page. WL-AM604g WL-500gD WL-500gP SSID ASUS ASUS ASUS DHCP server Enabled Disabled Disabled LAN IP address 192.168.1.1...

Page 25 WL-AM604g 11g WiFi ADSL Router User Manual xDSL LINK WDS setup (WL-AM604g)

1. Setting up encryption If you want to use the encryption function, select a Network Authentication mode. If not, select Disabled. Click Wireless -> Security to open the configuration page. In this example, set authentication to Open and encryption to Enabled, select 128bit for Encryption Strength, then click Set Encryption Keys.

Page 26 WL-AM604g 11g WiFi ADSL Router User Manual xDSL LINK You can check Enable

ASUS PassPhrase and key in a string in the Passphrase field to let the system generate the Network Keys. You can also disable Passphrase and enter four keys manually. When finished, click Save/Apply. 2. Setting up channel...

Page 27 WL-AM604g 11g WiFi ADSL Router User Manual xDSL LINK 3. Setting IP address Click

Advanced Setup -> LAN. Set the WL-AM604g IP address to 1□2.168.1.1, select Enable DHCP Server, and set Start IP address to 1□2.168.1.4. Click Save/ Reboot. 4. Setting WDS Click Wireless -> Wireless Bridge. Select Wireless Bridge. You can select Enabled(Scan) to find WL-500gD and WL-500gP. If the stations are on the list, check the checkbox and click Save/Apply.

Page 28: Wireless Advanced Settings

WL-AM604g 11g WiFi ADSL Router User Manual xDSL LINK WDS setup (WL-500gD and WL-500gP) Refer to the table on page 22 to set up WL-500gD and WL-500gP. 1. Wireless Setting Assign the same wireless channel, authentication, encryption, and keys to WL- 500gD and WL-500gP as that in WL-AM604g. 2.

Page 29: Network Security

WL-AM604g 11g WiFi ADSL Router User Manual xDSL LINK Network security This chapter shows how to set up security defence for your local area network. Setting up the access rights to WL-AM604g To protect your wired and wireless LAN, we recommend setting up access protection so as to prevent WL-AM604g from being viewed or modified by unauthenticated users. Service restriction WL-AM604g provides a Service Control List (SCL) that can enable or disable services which are used to access the router configuration interface.

Page 30: Advanced Settings

WL-AM604g 11g WiFi ADSL Router User Manual xDSL LINK Advanced settings This chapter shows how to configure other advanced router features of WL-AM604g. Click Advanced Setup -> WAN in the navigation menu to enter the WAN setup page. This page allows you to edit the WAN settings. 1. Click Advanced Setup -> LAN in the navigation menu to enter the Local Area Network (LAN) Setup page.

Page 31: Setting Up The Default Gateway

WL-AM604g 11g WiFi ADSL Router User Manual xDSL LINK Setting up the default gateway This section allows you to manually set up the default gateway of Internet connection. 1. Click Advanced Setup -> Routing -> Default Gateway to open the configuration page. 2. By default, automatic assigned default gateway is enabled, that is, the router accepts the first received gateway assignment from ISP. If your ISP specifies a gateway, uncheck Enable Automatic Assigned Default Gateway and enter the gateway address.

Page 32: Setting Up Mapping Groups

WL-AM604g 11g WiFi ADSL Router User Manual xDSL LINK Setting up mapping groups Port Mapping enables you to create mapping groups with appropriate LAN and WAN interfaces. To set up a mapping group: 1. Click Advanced Setup -> Port Mapping to open the configuration page. 2. Click the Add button and enter the appropriate information. The new group is displayed on the list.

Page 33: Management

WL-AM604g 11g WiFi ADSL Router User Manual xDSL LINK Management This chapter describes how to maintain your WL-AM604g wireless ADSL router. Configuration backup You can backup the configuration file and store it on your computer. Click Management -> Settings to open the configuration page and click the Backup Settings button. Click Save and define the destination folder.

Page 34: Setting Up The Time Server

WL-AM604g 11g WiFi ADSL Router User Manual xDSL LINK Setting up the time server You can configure the time setting so that WL-AM604g can always synchronize with a time server from the Internet. Click Management -> Time settings and check Automatically synchronize with International servers. Select a time server from the drop-down list and set your time zone.