

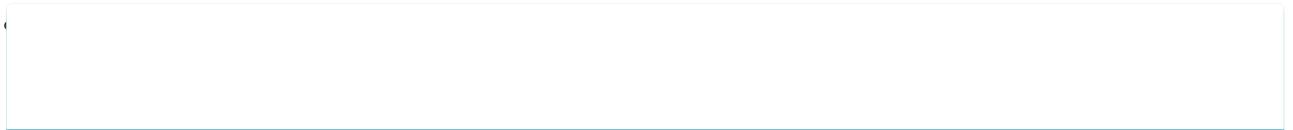


Asus AAM6000EV User Manual

Adsl combo router

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AAM6010EV-M ADSL Combo Router User's Manual

AAM6010EV-M

ADSL Combo Router
User's Manual

Revision 0.1

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[Modem Asus AAM6000EV E User Manual](#)

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[Page 5](#) AAM6000EV-M ADSL Combo Router User's Manual Figure 6.10 NAT Port Triggering Page 130 Figure 6.11 NAT Port Triggering Page 231 Figure 6.12 NAT DMZ Host Setup.....31 Figure 6.13 Firewall Port Filter Page 132 Figure 6.14 Firewall Port Filter Page 232 Figure 6.15 Firewall Address Filter Page 132...

[Page 7: Introduction](#)

Internet via AAM6000EV-M's ADSL connection. This User Manual will show you how to set up the AAM6000EV-M ADSL Combo Router, and how to customize its configuration to get the most out of this product.

[Page 8](#) AAM6010EV-M ADSL Combo Router User's Manual Explains terms or acronyms that may be unfamiliar to many readers. These terms are also included in the Glossary. Definition Provides messages of high importance, including messages relating to personal safety or system integrity. WARNING...

[Page 9: Getting To Know Aam6000Ev-M](#)

AAM6000EV-M ADSL Combo Router User's Manual Getting to Know AAM6000EV-M Parts List In addition to this document, your AAM6010EV-M should come with the following: AAM6010EV-M ADSL Combo Router Power adapter Ethernet cable (RJ45, "straight-through" type), Phone cable (RJ-11) and USB cable Figure 2.1 AAM6010EV-M ADSL Combo Router Package Contents...

[Page 10: Rear Panel](#)

AAM6010EV-M ADSL Combo Router User's Manual STATUS green On: ADSL link is established and active Flashing: Trying to create an ADSL connection Off: No ADSL link LINE green Flashing: ADSL data transfer green On: LAN link is established Flashing: Data transfer at LAN connection Off: No LAN link green On: USB link is established...

[Page 11: Getting Started](#)

Connect the computers or a LAN You may use Ethernet cable or USB cable to connect your computer directly to AAM6000EV-M. Note that you should attach one end of the Ethernet cable to the port labeled LAN on the rear panel of the device and connect the other end to the Ethernet port of your computer.

[Page 12: Configuring Your Computers](#)

If the LEDs illuminate as expected, AAM6000EV-M hardware is working properly. Configuring Your Computers If you use Ethernet cable to connect your AAM6000EV-M and PC, you don't need any specific driver installation and you can skip this section 3.2.1. But if you use USB cable under Windows operation system,...

[Page 13: Windows® Usb Driver Installation](#)

3.2.1 Windows® USB Driver Installation As soon as you connect the USB cable between your PC and AAM6000EV-M, your Windows will detect a new hardware and the Wizard will pop-up. Choose "Install from a list or specific location" from its menu and then click "Next" (Figure 3.2).

[Page 14: Windows® Xp Pcs](#)

Figure 3.7 Completing the Found New Hardware Wizard Before you start to access AAM6000EV-M via Ethernet or USB, you have to configure your PC TCP/IP address to be 192.168.1.x, where x could be any number between 3 ~ 254, subnet mask is 255.255.255.0.

[Page 15: Figure 3.8 Network Connection @ Windows Xp](#)

AAM6010EV-M ADSL Combo Router User's Manual Figure 3.8 Network Connection @ Windows XP Figure 3.9 Local Area Connection Property @ Windows XP 5. In the Internet Protocol (TCP/IP) Properties dialog box, click the radio button labeled Use the following IP address and type 192.168.1.x (192.168.1.20 is shown in Figure 3.10 as an example) and 255.255.255.0 in the IP address field and Subnet Mask field, respectively.

[Page 16: Windows® 2000 Pcs](#)

AAM6010EV-M ADSL Combo Router User's Manual 3.2.3 Windows® 2000 PCs: 1. In the Windows task bar, click the Start button, point to Settings, and then click Control Panel. 2. Double-click the Network and Dial-up Connections icon. 3. In the Network and Dial-up Connections window, right-click the Local Area Connection icon, and then select Properties.

[Page 17: Windows® 95, 98 Pcs](#)

AAM6010EV-M ADSL Combo Router User's Manual You may be prompted to install files from your Windows Me installation CD or other media. Follow the instructions to install the files. 8. If prompted, click to restart your computer with the new settings. 9.

[Page 18: Assigning Ip To Your Pc Automatically By Dhcp](#)

"6.2 LAN" to change the LAN port IP address accordingly. Login to your AAM6000EV-M In this section, you can login to the AAM6000EV-M's Web page, either by an Ethernet or a USB cable, and start to configure settings and observe some statistics of your Internet connection.

[Page 19: Figure 3.11 Login Screen](#)

AAM6010EV-M ADSL Combo Router User's Manual Figure 3.11 Login Screen If you have problem connecting to AAM6000EV-M, you may want to check if your PC is properly configured within the subnet of AAM6000EV-M's predefined IP address 192.168.1.1. Details are described from section 3.2.2 to 3.2.6.

[Page 20: Device Information](#)

AAM6000EV-M ADSL Combo Router User's Manual Device Information This chapter describes your AAM6010EV-M system information and configuration summary when you click the "System Info" in the left column. Summary You can get the general status report from the AAM6010EV-M by clicking the sub-menu "Summary" of "Device Info"...

[Page 21: Statistics](#)

AAM6010EV-M ADSL Combo Router User's Manual Figure 4.2 WAN Status Statistics 4.3.1 LAN Statistics You can get the LAN status report from AAM6000EV-M by clicking the sub-menu "LAN" of "Statistics" of "Device Info" (shown in Figure 4.3) Figure 4.3 LAN Statistics Page...

[Page 22: Atm Statistics](#)

AAM6010EV-M ADSL Combo Router User's Manual 4.3.2 ATM Statistics You can get the ATM status report from AAM6010EV-M by clicking the sub-menu "ATM" of "Statistics" of "Device Info" (shown in Figure 4.4) Figure 4.4 ATM Statistics Page 4.3.3 ADSL Statistics You can get the ADSL status report from AAM6010EV-M by clicking the sub-menu "ADSL"...

[Page 23: Route](#)

AAM6010EV-M ADSL Combo Router User's Manual Route You can get the route status report from AAM6010EV-M by clicking the sub-menu "Route" of "Device Info" (shown in Figure 4.6) Figure 4.6 Route Status You can get the ARP status report from AAM6010EV-M by clicking the sub-menu "ARP" of "Device Info" (shown in Figure 4.7) Figure 4.7 ARP Status...

[Page 24: Quick Setup](#)

AAM6010EV-M ADSL Combo Router User's Manual Quick Setup This chapter will guide you through the steps necessary to configure your AAM6010EV-M. 1. If you enable the "DSL Auto-

connect”, the AAM6010EV-M will detect available VPI/VCI from your ISP. If you don’t enable it, please manually input the VPI/VCI, which are assigned by your ISP, and click (Figure 5.1).

[Page 25: Figure 5.3 Setup Ip Address And Subnet Mask](#)

3. Then setup the AAM6010EV-M’s IP address and Subnet Mask for your LAN. (Figure 5.3) Figure 5.3 Setup IP address and subnet mask 4. Finally you will get a network setup summary as shown in Figure 5.4. Click then AAM6000EV-M will reboot automatically. Figure 5.4 Network Setup Summary...

[Page 26: Advanced Setup](#)

AAM6010EV-M ADSL Combo Router User’s Manual Advanced Setup 1. Click the sub-menu “WAN” of “Advanced Setup”, you may start to configure the WAN port setting. Click to proceed. Figure 6.1 WAN Setup 2. Please input the VPI/VCI and Service Category, which your ISP should have provided to you., and click Figure 6.2 ATM PVC Configuration 3.

[Page 27: Figure 6.3 Choose Proper Connection Type](#)

AAM6010EV-M ADSL Combo Router User’s Manual Figure 6.3 Choose proper connection type 4. If you want to disable this service, remove “v” by click the icon. Figure 6.4 WAN Service Disabling 5. You will get the WAN Setup Summary and please click to make it effective.

[Page 28: Lan](#)

Setting Description IP Address The LAN IP address of AAM6000EV-M. This IP is used by your computers to identify AAM6000EV-M’s LAN port. Note that the public IP address assigned to you by your ISP is not your LAN IP address. The public IP address identifies the WAN port on AAM6000EV-M to the Internet.

[Page 29: Nat](#)

LAN. Configure the second IP Address and Subnet Mask for LAN interface IP Address The second LAN IP address of AAM6000EV-M. Subnet Mask The second LAN subnet mask identifies which parts of the LAN IP Address refer to your network as a whole and which parts refer specifically to nodes on the network.

[Page 30: Figure 6.8 Nat Virtual Server](#)

AAM6010EV-M ADSL Combo Router User’s Manual Figure 6.8 NAT Virtual Server Page 1 Figure 6.9 NAT Virtual Server Page 2 2. Port Triggering: You may click to enter the application name, incoming protocol, incoming port range, outgoing protocol, outgoing port range and click to forward IP packets for this application to the specified ports (Figure 6.10 and 6.11).

[Page 31: Firewall](#)

AAM6010EV-M ADSL Combo Router User’s Manual Figure 6.11 NAT Port Triggering Page 2 3. DMZ host: AAM6010EV-M will forward IP packets from the WAN that do not belong to any of the applications configured in the Virtual Servers table (part 1 “Virtual Server” of this section) to the DMZ host computer.

[Page 32: Outgoing Address Filter](#)

AAM6010EV-M ADSL Combo Router User’s Manual Figure 6.13 Firewall Port Filter Page 1 Figure 6.14 Firewall Port Filter Page 2 6.4.2 Outgoing Address Filter With Outgoing Address Filter, you can specify one or more PCs’ IP Address, which will be blocked from sending packets to the Internet.

[Page 33: Routing](#)

AAM6010EV-M ADSL Combo Router User’s Manual Figure 6.16 Firewall Address Filter Page 2 Routing 6.5.1 Static Route You may see the static route table when you click the sub-menu “Static Route” of “Routing” of “Advanced Setup” Figure 6.17 Static Route 6.5.2 You may configure the Route Information Protocol (RIP) for your LAN by clicking the sub-menu “RIP”...

[Page 34: Default Gateway](#)

AAM6010EV-M ADSL Combo Router User’s Manual Figure 6.18 RIP Setup 6.5.3 Default Gateway If Enable Automatic Assigned Default Gateway checkbox is selected, this router will accept the first received default gateway assignment from one of the PPPoA, PPPoE or MER/DHCP enabled PVC(s). If the checkbox is not selected, enter the static default gateway AND/OR a WAN

interface.

[Page 35: Adsl](#)

ADSL 6.7.1 ADSL Setting There are several ADSL setting parameters available on AAM6000EV-M listed below: ADSL line modulation: Auto Mode, G.DMT/G.Lite, T1.413, G.DMT and G.Lite. Phone line pair: Inner or Outer pair of RJ11 connector Trellis coding: On or OFF...

[Page 36: Figure 6.21 Adsl Setup](#)

AAM6010EV-M ADSL Combo Router User's Manual Figure 6.21 ADSL Setup Figure 6.22 ADSL Advanced Settings Figure 6.23 ADSL Tone Settings...

[Page 37: Management](#)

AAM6010EV-M ADSL Combo Router User's Manual Management The chapter contains management instructions for access privilege and software upgrade. System Log By clicking the sub-menu "System Log" of "Management", you may see the System Log Dialog page such that you may view or configure the log file. Figure 7.1 System Log Dialog Page Figure 7.2 System Log Figure 7.3 System Log Configuration...

[Page 38: Update Software](#)

Local Access User name "admin" (system administrator) has unrestricted access to change and view configuration of your AAM6000EV-M. You may change its password by clicking the sub-menu "Local Access" of "Management", enter the password for user name "admin" twice and click...

[Page 39: User Access](#)

AAM6010EV-M ADSL Combo Router User's Manual Figure 7.6 Local Access Setup User Access User name "user" (general user) can access to AAM6010EV-M to view configuration and statistics, and update the router's software. You may change its password by clicking the sub-menu "Local Access" of "Management", enter the password for user name "user"...

[Page 40: Reboot Router](#)

AAM6010EV-M ADSL Combo Router User's Manual Figure 7.8 Remote Access Setup Reboot Router You may reboot AAM6010EV-M by clicking the sub-menu "Reboot Access" of "Management". Just click to reboot. Figure 7.9 Reboot the Router...

[Page 41: Diagnostic](#)

AAM6000EV-M ADSL Combo Router User's Manual Diagnostic This chapter shows the diagnostic report of AAM6010EV-M (Figure 8.1), which you might know The connection status of the router to your Ethernet or USB The ADSL connection status of the router to your ISP and related OAM information.

[Page 42: Ip Addresses, Network Masks, And Subnets](#)

AAM6010EV-M ADSL Combo Router User's Manual IP Addresses, Network Masks, and Subnets IP Addresses This section pertains only to IP addresses for IPv4 (version 4 of the Internet Protocol). IPv6 addresses are not covered. This section assumes basic knowledge of binary numbers, bits, Note and bytes.

[Page 43: Subnet Masks](#)

AAM6010EV-M ADSL Combo Router User's Manual Class B networks are smaller but still quite large, each able to hold over 65,000 hosts. There can be up to 16,384 class B networks in existence. A class B network might be appropriate for a large organization such as a business or government agency.

[Page 44: Troubleshooting](#)

LEDs Power LED does not Verify that you are using the power adapter provided with the illuminate after device and that it is securely connected to the AAM6000EV-M product is turned on. and a wall socket/power strip. LINK WAN LED...

[Page 45: Diagnosing Problem Using Ip Utilities](#)

Manager user ID or reset the device to the default configuration by pressing the password. Reset button on the rear panel of AAM6000EV-M three times. WARNING: Resetting the device removes any custom settings and returns all settings to their default values.

[Page 46: Nslookup](#)

AAM6010EV-M ADSL Combo Router User's Manual Figure B.1. Using the ping Utility If the target computer cannot be located, you will receive the message "Request timed out." Using the ping command, you can test whether the path to the AAM6010EV-M is working (using the preconfigured default LAN IP address 192.168.1.1) or another address you assigned.

[Page 47: Figure B.2. Using The Nslookup Utility](#)

AAM6010EV-M ADSL Combo Router User's Manual Figure B.2. Using the nslookup Utility There may be several addresses associated with an Internet name. This is common for web sites that receive heavy traffic; they use multiple, redundant servers to carry the same information. To exit from the nslookup utility, type exit and press <Enter>...

[Page 48: Glossary](#)

AAM6010EV-M ADSL Combo Router User's Manual Glossary 10BASE-T A designation for the type of wiring used by Ethernet networks with a data rate of 10 Mbps. Also known as Category 3 (CAT 3) wiring. See also data rate, Ethernet. 100BASE-T A designation for the type of wiring used by Ethernet networks with a data rate of 100 Mbps.

[Page 49](#) AAM6010EV-M ADSL Combo Router User's Manual download To transfer data in the downstream direction, i.e., from the Internet to the user. Digital Subscriber Line A technology that allows both digital data and analog voice signals to travel over existing copper telephone lines. Ethernet The most commonly installed computer network technology, usually using twisted pair wiring.

[Page 50](#) AAM6010EV-M ADSL Combo Router User's Manual host ID uniquely identifying the host itself on that network. A network mask is used to define the network ID and the host ID. Because IP addresses are difficult to remember, they usually have an associated domain name that can be specified instead.

[Page 51](#) AAM6010EV-M ADSL Combo Router User's Manual data between your ISP and your computer. The WAN interface on the AAM6000EV-M uses two forms of PPP called PPPoA and PPPoE. See also PPPoA, PPPoE. PPPoE Point-to-Point Protocol over Ethernet One of the two types of PPP interfaces you can define for a Virtual Circuit (VC), the other type being PPPoA.

[Page 52](#) AAM6010EV-M ADSL Combo Router User's Manual each router that receives a packet decrements this field by one. When the TTL reaches zero, the packet is discarded. twisted pair The ordinary copper telephone wiring long used by telephone companies. It contains one or more wire pairs twisted together to reduce inductance and noise. Each telephone line uses one pair.

This manual is also suitable for:

[Aam6010ev-m](#)