Asus Analog Telephone Adapter AX-112 User Manual

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AX-112

Analog Telephone Adapter

User Guide

E2674/ June 2006

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Summary of Contents for Asus Analog Telephone Adapter AX-112

Page 1 ® AX-112 Analog Telephone Adapter User Guide E2674/ June 2006...

Page 2: Copyright Information

Page 3: Contact Information

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Page 4

Notices Federal Communications Commission Statement This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: • This device may not cause harmful interference, and • This device must accept any interference received including interference that may cause undesired operation.

Page 5: Conventions Used In This Guide

Symbols To make sure that you perform certain tasks properly, take note of the following symbols used throughout this manual. DANGER/WARNING: Information to prevent injury to yourself when trying to complete a task. when trying to complete a task. CAUTION: Information to prevent damage to the components when trying to complete a task when trying to complete a task IMPORTANT: Instructions that you MUST follow to complete...

Page 6: Table Of Contents

Page 7: Introduction

Overview Thank you for buying an ASUS AX-112 Analog Telephone Adapter! The ASUS AX-112 analog telephone adapter is a Session Initiation Protocol (SIP) compliant Voice over Internet (VoIP) terminal adapter. It features high audio quality, multiple telephone functions, and compact design. It can work with SIP compliant devices and server to provide voice communication via the Internet.

Page 8: Features

Chapter 1 - Introduction Features • Compact design for easy handling and installation • Supports SIP 2.0 (RFC3261), DHCP client, PPPoE, DNS, HTTP • Two RJ45 ports for WAN-LAN bridging • Two RJ11 jacks for one full function FXS port and one bypass FXO port.

Page 9: Hardware Specifications

9.8cm x 9.8cm x 2cm Weight 100g Package contents Check the following items in your ASUS AX-112 Analog Telephone Adapter package: AX-112 ATA x 1 RJ-45 Ethernet cable x 1, RJ11 phone cable x 1 5V/2A DC power adapter x 1...

Page 10: Quick Installation

Chapter 2 - Quick Installation 2. Quick Installation 2. 1 Connectors There are five connectors on AX-112, and you can find them on the two side panels. These two side panels can be distinguished by the arrow icon, the upward arrow indicates the WAN side, while the other downward arrow indicates the LAN side.

Page 11: Reset Button

Chapter 2 - Quick Installation 2.1.2 LAN side connectors PHONE (FXS) Normally, you can only have one Ethernet cable at your desk. If you also have to use your PC or notebook while the VoIP device is running, then an extra LAN port is necessary for this purpose on AX-112.

Page 12: Cable Connection

Chapter 2 - Quick Installation 2. 2 Hardware connection • Use a standard Category 5 (CAT5) Ethernet cable with RJ45 jack to connect the WAN port of AX-112 to the LAN port of your ADSL modem or router. • Use another Ethernet cable to connect your PC or notebook to the LAN port of AX-112 if necessary.

Page 13: Configuration

3. Configuration In an Internet browser, enter the WAN IP address that you got either via the DHCP server or the IVR). You will be taken to the AX-112's web configuration page, which consists of five menu items for future settings. .

Page 14: Sip

Chapter 3 - Configuration 3.2.2 MAC spoofing This field allows the user to set the Ethernet hardware/MAC address to be used by the WAN interface. This is typically done to mimic ('spoof' or 'clone') the MAC address of one of the devices connected to the private LAN interface. To do this, follow these steps: 1.

Page 15: Advanced Setting

Chapter 3 - Configuration .. NAT traversal setting Select the NAT traversal type. You may check the uPnP button if your NAT/Firewall supports uPnP SIP ALG, or assign the STUN server IP if you are using STUN service. You may also assign the RTP port if there is port enabling on your router settings.

Page 16: Jitter Buffer

Chapter 3 - Configuration Packetization period Select the packetization period to be used for each selected CODEC. Each codec has a different basic packetize period (usually it's 30ms for G.723, 10ms for G.729). You can select longer time period to increase the transmission efficiency. But, longer packetization time will cause longer delay time.

Page 17 Phone default connect to You can select the connection state of the phone set to VoIP FXS codec circuit or to the PSTN port when the line is idle. It is set to 'FXS' by factory default for normal usage. For one special case, when the caller ID signal from PSTN line comes before the first ring, then you may select the phone set to be connected to PSTN as default and ensure all the caller ID signal pass to the phone set.

Page 18: Simple Dial Plan

Click "Apply" to make save and apply the new settings. ASUS recommends that you change the service code values only if there is a conflict with the setting of your service provider. Refer to Chapter 4: Operation for more information.

Page 19 Speed dial & phone book AX-112 supports eight speed-dial and eight phone book entries for easy call operation. You may enter the SIP extension number in the speed-dial fields. By dialing the speed-dial prefix code (default is '*68n') defined in the "Service Code" with the speed dial index number (1~8), AX-112 will send out the call invitation through the registered SIP server.

Page 20: Management

Chapter 3 - Configuration . Management ..1 Administration password In the old password field, input the old password, if you have it. In the new password field, input the new password. In the confirm password field, input the password again for confirmation. Click the "Apply" button to save the changes.

Page 21 Chapter 3 - Configuration 3.5.3 Configuration To backup all the setting value in a file on your PC, just click the backup "Start" button and then enter the file name to keep the data. To retrieve the setting value from a file, click the restore "Start" button and enter the file name of the file you want to retrieve.

Page 22: Operation

Chapter 4 - Operation 4. Operation 4. 1 IVR operation To use the IVR, pick up the phone and dial four consecutive asterisks (****) to enter the main IVR menu. To stop the IVR, just hang up the phone. CODE **** Menu 100#...

Page 23: Call Service Features

GUI in advance, or use the default setting, before using service functions. ASUS recommends that you change the service code values only if you have meet conflict with the setting of your service provider.

Page 24: Life Line/Pstn Features

Chapter 4 - Operation 4.☐ Life line / PSTN access By default, when you pick up the phone set and dial a number, the number is interpreted as a VoIP call. If you have connected the FXO to PSTN line on AX- 112, you can dial to the PSTN line instead of VoIP by the PSTN access code.

Page 25: Troubleshooting

☐. Troubleshooting ☐.1 General Troubleshooting There is no LED activity at power on. • Check that the power supply unit (PSU) is properly connected. • Check if the 'Phone default connect to' option at 'Advanced' setting page. If it were set to "PSTN" and your PSTN line is not wired properly (without voltage presented), then there will be no dialing tone at all.

Page 26 Chapter ☐ - Troubleshooting
The device's Web pages are not accessible. • Try pinging the device's IP address. • The unit is trying to acquire a DHCP IP address. Make sure that the Ethernet cable connection is secure. • Verify that the DHCP server on the network is functioning. •...

This manual is also suitable for:

Ax-112

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