Quick Installation Guide

AW4042U

4-Ethernet Port ADSL/ADSL2+ WiFi CPE



1. Install AW4042U

Back Panel



Fig. 1.1 the Back Panel of AW4042U

	Label	Function
\square		
pst (DSL	RJ-45 connector: WAN interface to connect DSL line
SS [USB	USB 2.0 connector: for printer and ext. Memory support
z []	τν	RJ-45 connector: Connect to the PC Ethernet port, or to STB
	LAN 1- 3	RJ-45 connector: Connect to the PC Ethernet port.
Reset	RST	Reset button: Reset AW4042U to factory default setting.
DC-IN	DC-IN	Connect to the supplied power converter cable

Table 1.1 Illustration of AW4042U Back Panel

Front Panel

There are 8 LEDs on the front panel which indicate the status of AW4042U showing as below:



	Fig. 1.2 the Front Panel of AW4042U			
Label	Color	Signalling	Function	
		Flashing	System start-up	
	Green	Lighted	Active connection	
FOWER		Off	Power-off / General MODEM error	
	Red	Lighted	Factory reset / FW updating	
	Croop	Lighted	Active data session	
INTERNET	Green	Flashing	Data transmission	
	Red	Lighted	No DSL correct user data	
		Flashing	PPPoE authentication ongoi	
	Green	Lighted	PIN OK and active PPPoE Session	
INFO		Flashing	Data transmission	
	Red	Lighted	Waiting Pin insertion	
		Flashing	PIN OK, waiting authentication	
		Lighted	Wireless on	
WLAN	Green	Flashing	Data transmission	
		Off	Wireless off	
		Slow	sending pilot tones	
		Flashing		
	Green	Fast	DSL training	
DSL	Green	Flashing		
		Lighted	DSL synchronized	
		Off	internal DSL error	
		Flashing	Data transmission	
LAN1- 3/TV	Green	Lighted	active connection	
		Off	no active connection	
WLAN			WLAN on/off : long press	
On/off			WPS: short press	

Table 1.2 Illustration of AW4042U Back Panel

Connecting the Hardware



Before you begin, turn the power off for all devices. These include your computer(s), your LAN hub/switch (if applicable), and the AW4042U.

The layout of the ports on your device may vary from the layout shown. Refer to the steps that follow for specific instructions.



Figure 1.3. Overview of Hardware Connections

2. Login to AW4042U through web browser

- **I.** Configure your PC IP address as 192.168.1.x within the same subnet as AW4042U (AW4042U default IP is 192.168.1.1) and subnet mask (default is 255.255.255.0).
- **II**. Connect AW4042U with PC through an Ethernet cable.
 - **a.** Turn on the power of AW4042U to establish ADSL link.
 - **b.** Enter the IP address (default is 192.168.1.1) of AW4042U from Web Browser. Login Dialog Box will pop up as following:

Connect to	o 192.168.1.1	? 🔀
1	B	
The server 192.16 password. Warning: This serv password be sent without a secure o	8.1.1 at requires a username a ver is requesting that your userr in an insecure manner (basic aul onnection).	nd name and chentication
<u>U</u> ser name;	🖸 admin	~
Password:		
	Remember my password	Cancel

Fig. 2.1 Login Dialog Box

- C. Enter the management Username/Password and click the OK button (The default Username/Password is admin/admin).
- **d.** The first page will show the first page of Quick Setup. Follow the instructions to configure the AW4042U.

3. Quick Setup

I. Set up ATM PVC and QoS

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MENU Device Info Quick Setup Advanced Setup Wireless LAN Diagnostics Management	Quick Setup This Quick Setup will guide you throug ATM PVC Configuration The Port Identifier (PORT) Virtual Path the ATM PVC. Do not change VPI and PORT: [0-3] 0 VPI: [0-255] 0 VCI: [32-65536] 35 Cabled Quality Of Service 0 Enabling QoS for a PVC improves performed consumes system resources, the num Service to assign priorities for the app Enable Quality Of Service 1	h the steps necessary to configure your DSL Router. Identifier (VPI) and Virtual Channel Identifier (VCI) are needed for setting up VCI numbers unless your ISP instructs you otherwise. prmance for selected classes of applications. However, since QoS also ber of PVCs will be reduced consequently. Use Advanced Setup/Quality of lications.
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II. Configure WAN Interface



III. Enable/Disable Bridging Service

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IV. Configure LAN IP Address and Subnet Mask

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MENU Device Info Quick Setup Advanced Setup Wireless LAN Diagnostics Management	Device Setup Configure the WiMAX Router IP Address and Subr IP Address: 192.168.1.1 Subnet Mask: 255.255.255.0	net Mask for your Local Area Network (LAN). Back Next
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V. Setup the Wireless LAN

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VI. Save & Reboot

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Device Info	Make sure that the se	ettings below match the sett	ings provided by your	ISP.					
Advanced Setup	PORT / VPL / VCI:	0/0/35							
Wireless LAN	Connection Type:	Bridge							
Diagnostics	Service Name:	br_0_0_35							
Management	Service Category:	UBR							
	IP Address:	Not Applicable							
	Service State:	Enabled							
	NA1:	Disabled							
	IGMP Multicast:	Not Applicable							
	Quality Of Service:	Enabled							
	1								
	Click "Save/Reboot" to NOTE: The configurati	o save these settings and re ion process takes about 1 m	poot router. Click "Ba ninute to complete an	ack" to ma d your DSI	ke any Route	modifications. r will reboot.	1		
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5. USB

To connect USB devices, the IAD provides an USB 2.0 port.

I. Print Server

AW4042U includes a print server that allows connecting one printer via USB. All PCs of the IAD have access to these printers.

a. Go to Advanced Setup – Print Server to Enable Print Server Service

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MENU Device Info Advanced Setup WAN LAN Security Quality of Service Routing DSL Print Server Port Mapping Wireless LAN Diagnostics Management	Print Server settings This page allows you to enable / disat D Enable on-board print server.	ole printer support.

b. Enter the Printer Name then Click Save/Apply

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MENU Device Info Advanced Setup WAN LAN Security Quality of Service Routing DSL Print Server Port Mapping Wireless LAN Diagnostics Management	Print Server settings This page allows you ✓ Enable on-board p Printer name Make and model	s to enable / disable printer support. print server. OfficePrinter EPSON Save/Apply	

c. Enter <u>\\192.168.1.1</u> in the Web Browser and Locate the Network Printer in the Network.

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II. Network Storage

AW4042U provides a file server utility, allowing you to manage (read/write/delete) files on a Network Attached Storage (NAS, i.e. hard disc or memory stick). AW4042U supports external hard discs up to a maximum of 5V/500mA which is 2.5W. When a hard disc needs more power, then this hard disc needs an own power supply. AW4042U does support FAT32, NTFS and Linux/Unix (EXT2 / 3) file system.

- a. Connect the USB Hard Disk or Memory Stick to the USB Port
- **b.** Enter <u>\\192.168.1.1</u> in the Web Browser and Locate the USB Drive.



5. Update Software and Restore default settings

I. Update Software	
MENU	Tools Update Software
Device Info Advanced Setup	Step 1: Obtain an updated software image file from your ISP.
Wireless LAN Diagnostics	Step 2: Enter the path to the image file location in the box below or click the "Browse" button to locate the image file.
Management	Step 3: Click the "Update Software" button once to upload the new image file.
Settings System Log	NOTE: The update process takes about 2 minutes to complete, and your Router will reboot.
SNMP Agent	Software File Name: Browse
TR-069 Client	
Access Control	Update Software
Update Software	
Save/Reboot	

Fig. 5.1 Management – Update Software

Click "*Management->Update Software*" on the left frame. Locate the location of the software image, or select the file by browsing the file system. Click '*Update Software*' button and the system will reboot after update complete.

II. Restore Default

Click "Management-> Settings->Restore Settings" on the left frame. Click 'Restore Default Settings' button

	Tools Restore Default Settings
Device Info Advanced Setup Wireless LAN Diagnostics	Restore router settings to the factory defaults. Restore Default Settings
Management Settings	
Backup	
Update	
Restore Default	
System Log	
SNMP Agent	

Fig. 7.2 Tools – Restore Default Settings

6. Change Password

Click "Management-> Access Control-> Passwords", input the data and click "Save/Apply"

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MENU Device Info Advanced Setup Wireless LAN Diagnostics Management Settings System Log SNMP Agent TR-069 Client Access Control Services IP Addresses Passwords Update Software Save/Reboot	Access Control - Passwords Access to your WiMAX Router is The user name "admin" has unres The user name "support" is used run diagnostics. The user name "user" can access the router's software. Use the fields below to enter up to cannot contain a space. Usermame: Old Password: New Password: Confirm Password:	controlled through three user accounts: admin, support, and user. tricted access to change and view configuration of your WiMAX Router. o allow an ISP technician to access your WiMAX Router for maintenance and to the WiMAX Router, view configuration settings and statistics, as well as, update 16 characters and click "Apply" to change or create passwords. Note: Password Save/Apply	

Fig. 6.1 Access Control--Passwords

9. Wireless

Click "Wireless", input the data and click "Save/Apply" as Figure 9.1 Wireless -- Basic

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MENU Device Info Advanced Setup Wireless LAN Basic Security MAC Filter Wireless LAN Bridge Advanced Station Info Diagnostics Management	Wireless LAN - Basic This page allows you to configure basic features of the wireless LAN interface, hide the network form active scans, set the SDD and restrict the channel set based on country requirements. Click "Apply" to configure the basic wireless LAN options. Enable Wireless LAN Hide Access Point Clients Isolation Disable WMM Advertise SSID: Q:10:18:01:00:04 Country: UNITED STATES Max Clients: I28 Enable Wireless LAN Cuest Network Guest SSID: Guest 	1 interfi wireles	ace. Y	r'ou can e	nable or disat	le the nown as	
http://192.168.1.1/wlcfg.html	😜 I	nter	net			\$ 100%	+ 0

Federal Communication Commission Interference Statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

-

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

FCC Caution: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

IEEE 802.11b or 802.11g operation of this product in the U.S.A. is firmware-limited to channels 1 through 11.

IMPORTANT NOTE:

FCC Radiation Exposure Statement:

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

The availability of some specific channels and/or operational frequency bands are country dependent and are firmware programmed at the factory to match the intended destination. The firmware setting is not accessible by the end user.