





ACT AP224B GPON HGU ONT

Quick Reference Guide

Revision B



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ACT Document Number: ACT AP224B GPON HGU ONT

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This document is produced to assist professional and properly trained personnel with installation and maintenance issues for the product. The capabilities, system requirements and/or compatibility with third-party products described herein are subject to change without notice.

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Revision History

Revision	Date	Reason for Change	
Α	2/15/2018	Initial release	
В	2/17/2018	Updated sections	



Table of Contents

troduction	4
Hardware Connection	4
Computer Setup	6
Guide Setup	8
oubleshooting	. 10



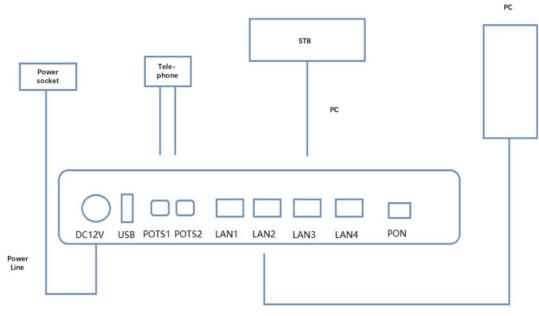
Introduction

ASCENT's AP224B is a handy, flexible and standard device, with high integration, about connection to the net. It is a high-end multi-in-one terminal product up to IEEE802.11b/g/n standard, providing connection with high performance for home users and individual merchants.

Main Characteristics:

- Compliant with ITU-T G.984/988 standard, adopting GPON uplink set and monitored through WEB
- Remote configuration and management through TR069 protocol
- NAT and DHCP help to set the network and make internet access easy
- Firewall protection
- MAC and URL provide customization for Internet safety performance
- Terminal wireless access

1 Hardware Connection



Network Cable



Connection finished, please check the indicators.

POWER	Power indicator	Green	ON: power on
			OFF: power off
PON	PON indicator	Green	ON: ONU activation
			OFF: no ONU activation
			Flickering: ONU activation on
WLAN	WLAN indicator	Green	ON: connected but no data transmission
			OFF: power off or no connection between port and net
			Flickering: data transmission
LAN 1 to 4	Ethernet indicators	Green	ON: connected but no data transmission
			OFF: power off or no connection to terminal device
			Flickering: data transmission
POTS	Voice indicator	Green	ON: connected but no data transmission
			OFF: power off or no connection to terminal device
			Flickering: data transmission.
USB	USB indicator	Green	ON: connected but no data transmission
			OFF: power off or no connection to terminal device
			Flickering: data transmission



If there is something wrong with the indicators, please check the line connections.



Lay the devices on horizontally flat surface.

Shut down the power supply and unplug all line connections during a lightning storm. Keep the device away from heaters and keep the ventilation. Use configured rated power adapter.



2 Computer Setup

1) Click "Start \rightarrow Control Panel \rightarrow Network and Internet \rightarrow Network and Sharing Center \rightarrow Local Connection", choose "Local Connection", and "Properties".

9	Ethernet Status	×
General		
Connection		-
IPv4 Connectivity:	No Internet access	;
IPv6 Connectivity:	No network access	3
Media State:	Enabled	t 📗
Duration:	00:06:0	1
Speed:	100.0 Mbp	s
Details		
Activity		_
	Sent — 駴 — Received	I
Bytes:	52,738 752,05	3
Properties	Disable Diagnose	
	Clos	e

2) Double click "Internet Protocol Version 4 (TCP/IPv4)"



Ethernet Properties	>	×			
Networking Sharing					
Connect using:					
Realtek PCIe GBE Family Controller					
Configure	e				
This connection uses the following items:					
Gos Packet Scheduler Microsoft Network Adapter Multiplexor Protocol Microsoft LLDP Protocol Driver Link-Layer Topology Discovery Mapper I/O Driver Link-Layer Topology Discovery Responder Internet Protocol Version 6 (TCP/IPv6) Internet Protocol Version 4 (TCP/IPv4)	^ >				
Install Uninstall Propertie	s				
Description Allows your computer to access resources on a Microsoft network.					
ОК С	ancel				

3) Choose "Obtain an IP address automatically" and "Obtain DNS server address automatically", then click "OK".

Seneral	Alternate Configuration			
this cap	n get IP settings assigned ability. Otherwise, you ne appropriate IP settings.			
0	otain an IP address autom	atically		
OU	se the following IP address	:		
IP ad	ddress:	•	÷.	
Subr	net mask:		4	
Defa	ult gateway:			
0	btain DNS server address	automatically		
OUs	se the following DNS serve	r addresses:		
Pref	erred DNS server:			
Alter	nate DNS server:			
V	alidate settings upon exit		Adva	nced



3 Guide Setup

1) Open Internet Explorer



2) Type 10.0.0.10 or the ONT IP address set by the engineer in address bar, enter the web, and type UserName "admin" and Password "super&123" to log in to the AP224B user interface.

Welcome to login

UserName	admin
Password	•••••
	Login

Do as the following steps if UserName and Password is modified.

Sta	atus	Network	Security	Apply	Manage
lser Devi	vice				
Acce	ess Control Pas	sword			
Orig	jinal Username: u	ser			
Old	Password:				
New	v Password:				
Conf	firm Password				
Sa	ave				

3) Device Management

a. On the interface, click "Device Basic Info" under "Status" to see the basic information of the device.



Status	Network	Security	Apply	Manage
evice Info WAN Info U	ser Info VOIP Info			
Device Basic Informa	tion			
Run Time		2 min		
Local Time		1970-01-01 08:02:02		
Device Model		AP224B		
Device ID		984562-00252200242		
Hardware Version		A0		
Software Version		10.0.32B.524		

b. Do as follows to save and restart the router:

Status	Network	Security	Apply	Manage
User Device				
		Click the following button	"save" and restart the router.	
		Save	/Restart	

4) Device configuration:

a. Under WAN, users can check the default WAN Information.

Status	Network	Security	Apply	Manage
ce Info WAN Info Us	er Info VOIP Info			
WAN Infomation				
	Service Interface		Status	IP Address
	1_TR069_R_VID_46		down	INIT
	2_INTERNET_R_VID_44	L	down	
Network Informaiton				
Default Gateway				
	Subnet Mask			
Subnet Mask				
Subnet Mask primary DNS Server				

Reset: when UserName and Password logging in the router are forgotten, please reset the router. With power on, use a toothpick or paperclip to hold down "RESET" for 10 seconds to restart.



After restoration, reset the router.



Troubleshooting

- 1. The computer can see wireless signals but cannot be connected.
 - a. Please make sure the connected wireless name is in accordance with the SSID of the wireless router.
- b. Check the signal strength of the wireless signal, adapt the location of the router if necessary.
- c. Refresh the networks list and reconnect the wireless.
- d. Consult manufacturers of the laptop or WLAN card, then connect WLAN based on acknowledged parameters.
- e. Restart the computer.

If it still does not work, please restore the router and reset it to connect.

- 2. No wireless signals received.
- a. Please ensure WLAN switch is on.
- b. Check WLAN driver is installed successfully or not; if not, reinstall it.
- c. Check wireless functions of the router is ready with SSID Broadcast permission or not.
- d. Check the service is on or not. Here are the steps with Windows 7: right-click "my computer", choose "manage". In management, choose "service and application" and unfold "service" to find "WLAN AutoConfig". Make sure it is on.
- e. Try to get closer to the router. If it still does not work, try to connect any other wifi; if not, restore the router and reset.





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