



97mm

100mm

100mm

210mm

Specification

Standards	IEEE802.11 b/g/n 2.4GHz IEEE802.11 a/n/ac 5GHz
Frequency	2.4GHz & 5GHz
Antenna	4pcs, External Antennas
Transmission Rate	5GHz : 1733Mbps(11ac, 80+80MHz) 2.4GHz : 600Mbps(802.11n, 40MHz)
Physical Interfaces	1x WAN Gigabit Ethernet Ports 4x LAN Gigabit Ethernet Ports 1x USB2.0 1x USB3.0 Reset Button Factory Reset WPS Button Power Jack
Power	Adaptor : DC 12V ≙ 2.5A
Size	250 x160 x 43mm(WhxHxD)
Weight	610g ±10g
Operating Temperature	0°C to 50°C
Operating Humidity	10% to 90%(Non-condensing)

FCC Part

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:

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

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.

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 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 a minimum distance of 20 cm between the radiator and your body. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

layer3tv[•]
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Installation Guide

AR4520

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Please read the entire manual thoroughly and retain it for future reference.

Important safety instructions

Cautions

CAUTION

RISK OF ELECTRIC SHOCK

DO NOT OPEN

CAUTION : To reduce the risk of electrical shock, do not remove the cover. No user serviceable parts inside. Refer any servicing to qualified Service personnel.

Read this manual carefully before using the product. The cautions described below contain important information about safety. The company will not take any responsibility for accidents or damage resulting from careless handling by the user.

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Important Safety Instructions

1. Read these instructions.
2. Keep these instructions.
3. Heed all warnings.
4. Follow all instructions.
5. Do not use this apparatus near water.
6. Clean only with a dry cloth.
7. Do not block any of the ventilation openings. Install in accordance with the manufacturer's instructions.
8. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
9. Do not defeat the safety purpose of the polarized or grounding type plug. A polarized plug has two blades and a third grounding prong. The wide blade or the third prong is provided for your safety. When the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
10. Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
11. Only use the attachments/accessories specified by the manufacturer.
12. Use only with a cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.



13. Unplug this apparatus during lightning storms or when unused for long periods of time.
14. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.

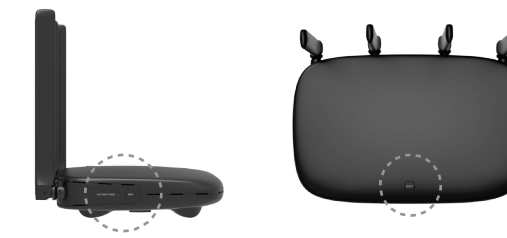
1. Introduction

1.1 LED and Front Panel



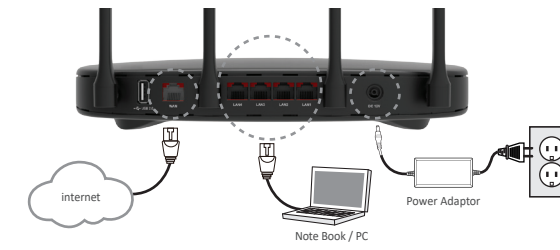
WiFi	Green On	Power On
	Green Blinking	WPS operating
	Off	Power off
LAN1~4	Green On	Ethernet cable is connected to the LAN ports
	Green Blinking	Data is being transmitted through the LAN ports
	Off	Ethernet cable is not connected to the LAN ports
WAN	Green On	100M Ethernet interface is connected to the WAN ports
	Green Blinking	Data is being transmitted through the WAN ports
	Off	Ethernet cable is not connected to the WAN ports
	Blue On	1Giga Ethernet interface is connected to the WAN ports
	Blue Blinking	Data is being transmitted through the WAN ports
	Off	Ethernet cable is not connected to the WAN ports
USB3.0	Off	USB3.0 Host interface for connect a USB storage device to FW upgr.
Factory Reset	ALL LED On	
Factory Reset	ALL LED Blinking	
FW Upgrade	ALL LED On	
Reboot	ALL LED On	

1.2 Side and Top Panel



Reset	Reset button for system reset
Factory Reset	Factory button for Factory default
WPS	WPS button for WPS operating

1.3 Rear panel



USB2.0	USB2.0 Host interface for connect a USB storage device to FW upgrade
WAN	10/100/1000BASE-T Ethernet network interface port
LAN	10/100/1000BASE-T Ethernet network interface port
DC 12V	DC power supplies(DC 12V ≙ 2.5A)

The design of the Front/Rear Panel may be changed without any notice in advance.

* Product Notice

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Quick Guide

Instruction for connection AR4520 to PC

1. Make sure the following:
 - AR4520 is powered ON. The LED will be turned ON
 - Your PC is turned ON and connected to AR4520 Ethernet port(LAN) using an Ethernet cable
 - After Online LED is ON, AR4520 becomes online
2. Configure your PC IP set to 192.168.1.xxx, ex)192.168.1.100.
3. From your PC, start your web browser application like chrome, Internet explorer or etc.
4. Type a valid URL such as : <https://192.168.1.1> and <Enter>
The Website should be open if connected correctly.

Wi-Fi Connection

1. Open Wireless setting window in your Wi-Fi device or PCs.
2. Search for the right "SSID"
The factory Default setting :
 - SSID : "TMO_2.4G_XXXX" for 2.4GHz / "TMO_5G_XXXX" for 5GHz
 - PW : "000000xxxx" for 2.4GHz / "000000xxxx" for 5GHz

WebUI Access Guide

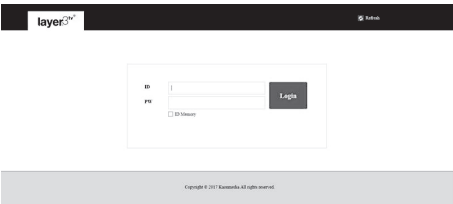
To access the configuration web pages, you must do the following.

1. From your PC, start your web browser application like Chrome, Internet Explorer or etc.
2. In the URL address field, enter IP address : <https://192.168.1.1> and <Enter>
3. The log-in window should popped-up after the step 3 above.

Then, log-in the web configuration menu with the following

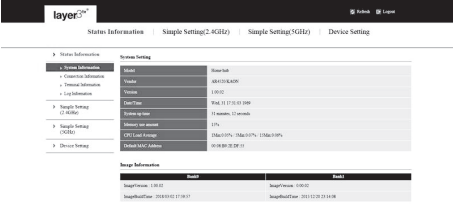
- Enter "admin" into the ID field
- Enter "admin" into the PW field

4. The main menu will be popped-up like below and you can check or change the current setting from appropriate menus.



If you are logged in, the Status Information, Simple Setting(2.4GHz) and Simple Setting(5GHz) will display. Set the options and change if required. Click Apply to save the changes.

-Status Information for System, Connection, Terminal and Log information



- Simple Setting(5GHz)

