

WAP-60AX

Wireless Access Point AX4200

User Manual



Preface

This manual provides information related to the installation and operation of this device. The individual reading this manual is presumed to have a basic understanding of telecommunications terminology and concepts.

If you find the product to be inoperable or malfunctioning, please contact technical support for immediate service by email at INT-support@comtrend.com

For product update, new product release, manual revision, or software upgrades, please visit our website at <http://www.comtrend.com>

Important Safety Instructions

With reference to unpacking, installation, use, and maintenance of your electronic device, the following basic guidelines are recommended:

- Do not use or install this product near water, to avoid fire or shock hazard. For example, near a bathtub, kitchen sink or laundry tub, or near a swimming pool. Also, do not expose the equipment to rain or damp areas (e.g. a wet basement).
- Do not connect the power supply cord on elevated surfaces. Allow it to lie freely. There should be no obstructions in its path and no heavy items should be placed on the cord. In addition, do not walk on, step on, or mistreat the cord.
- Use only the power cord and adapter that are shipped with this device.
- Never install telephone wiring during stormy weather conditions.

CAUTION:

- Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user authority to operate the equipment.
- Do not stack equipment or place equipment in tight spaces, in drawers, or on carpets. Be sure that your equipment is surrounded by at least 2 inches of air space.
- If you experience trouble with this equipment, disconnect it from the network until the problem has been corrected or until you are sure that equipment is not malfunctioning.

**WARNING**

- Disconnect the power line from the device before servicing
- For indoor use only
- Do NOT open the casing
- Do NOT use near water
- Keep away from the fire
- For use in ventilated environment / space

- Débranchez l'alimentation électrique avant l'entretien
- Cet appareil est conçu pour l'usage intérieur seulement
- N'ouvrez pas le boîtier
- N'utilisez pas cet appareil près de l'eau
- N'approchez pas du feu
- Veuillez utiliser dans un environnement aéré

Power Specifications (Alimentation) :

Input : 12Vdc, 3.0A or 2.0A

Output : USB3.0, 900mA

**User Information**

Any changes or modifications not expressly approved by the party responsible for compliance could void your authority to operate the equipment.

Aucune modification apportée à l'appareil par l'utilisateur, quelle qu'en soit la nature. Tout changement ou modification peuvent annuler le droit d'utilisation de l'appareil par l'utilisateur.

Note: 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 or more 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.

This Class B digital apparatus complies with Canadian ICES-003.
To reduce potential radio interference to other users, the antenna type and its gain should be so chosen that the equivalent isotropically radiated power

(e.i.r.p.) is not more than that permitted for successful communication. This device complies with Part 15 of the FCC Rules and Industry Canada licence-exempt RSS standard(s).

Operation is subject to the following two conditions:

1. This device may not cause interference, and
2. This device must accept any interference, including interference that may cause undesired operation of the device.

Cet appareil numérique de la classe B est conforme à la norme NMB-003 Canada.

Pour réduire le risque d'interférence aux autres utilisateurs, le type d'antenne et son gain doivent être choisis de façon que la puissance isotrope rayonnée équivalente (PIRE) ne dépasse pas ce qui est nécessaire pour une communication réussie.

Cet appareil est conforme à la norme RSS Industrie Canada exempts de licence norme(s).

Son fonctionnement est soumis aux deux conditions suivantes:

1. Cet appareil ne peut pas provoquer d'interférences et
2. Cet appareil doit accepter toute interférence, y compris les interférences qui peuvent causer un mauvais fonctionnement du dispositif.

Radiation Exposure

FCC

1. This Transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.
2. This equipment complies with FCC RF radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 23 cm between the radiator and your body.

ISED

This device complies with the ISED radiation exposure limit set forth for an uncontrolled environment. This device should be installed and operated with minimum distance 23 cm between the radiator & your body. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

"This product meets the applicable Innovation, Science and Economic development Canada technical specifications".

The device for operation in the band 5150–5250 MHz is only for indoor use to reduce the potential for harmful interference to co-channel mobile satellite systems.

This product meets the applicable Industry Canada technical specifications.

Cet équipement est conforme avec l'exposition aux radiations ISED définies pour un environnement non contrôlé. Cet équipement doit être installé et utilisé à une distance minimum de 23 cm entre le radiateur et votre corps. Cet émetteur ne doit pas être co-localisées ou opérant en conjonction avec une autre antenne ou transmetteur.

«Ce produit est conforme aux spécifications techniques applicables d'Innovation, Sciences et Développement économique Canada».

les dispositifs fonctionnant dans la bande 5150-5250 MHz sont réservés uniquement pour une utilisation à l'intérieur afin de réduire les risques de brouillage préjudiciable aux systèmes de satellites mobiles utilisant les mêmes canaux.

Le présent matériel est conforme aux spécifications techniques applicables d'Industrie Canada.

Certification

- FCC / IC standard
 - Part 15B / ICES-003
 - Part 15C / RSS-247(2.4GHz)
 - Part 15E / RSS-247(5GHz)
 - UL 62368-1 / CSA 62368-1

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Warranty Disclaimer

THE OPEN SOURCE SOFTWARE IN THIS PRODUCT IS DISTRIBUTED IN THE HOPE THAT IT WILL BE USEFUL, BUT WITHOUT ANY WARRANTY, WITHOUT EVEN THE IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. SEE THE APPLICABLE LICENSES FOR MORE DETAILS. Comtrend's products will strictly follow the market's standard requirements. It is not permitted to modify any Wi-Fi parameters, including the Wi-Fi power setting.

Obtain Source Code

If you wish to download the open source code please see:

<https://www.comtrend.com/gplcddl.html>

If you do not see the required source code on our website link and wish to be provided with the entire source code for that product, we will provide it to you and any third party with the source code of the software licensed under an open source software license. Please send us a written request by email or mail to one of the following addresses:

Email: Comtrend support team - opensource@comtrend.com

Postal: Comtrend Corporation
3F-1, 10 Lane 609,
Chongxin Rd., Section 5,
Sanchong Dist,
New Taipei City 24159,
Taiwan
Tel: 886-2-2999-8261

In detail name the product and firmware version for which you request the source code and indicate means to contact you and send you the source code.

PLEASE NOTE WE WILL CHARGE THE COSTS OF A DATA CARRIER AND THE POSTAL CHARGES TO SEND THE DATA CARRIER TO YOU. THE AMOUNT WILL VARY ACCORDING TO YOUR LOCATION AND THE COMTREND SUPPORT TEAM WILL NOTIFY THE EXACT COSTS WHEN REVIEWING THE REQUEST.

THIS OFFER IS VALID FOR THREE YEARS FROM THE MOMENT WE DISTRIBUTED THE PRODUCT. FOR MORE INFORMATION AND THE OPEN SOURCE LIST (& RESPECTIVE LICENCES) FOR INDIVIDUAL PRODUCTS PLEASE SEE:

<https://www.comtrend.com/gplcddl.html>

Protect Our Environment

This symbol indicates that when the equipment has reached the end of its useful life, it must be taken to a recycling centre and processed separate from domestic waste.

The cardboard box, the plastic contained in the packaging, and the parts that make up this router can be recycled in accordance with regionally established regulations. Never dispose of this electronic equipment along with your household waste; you may be subject to penalties or sanctions under the law. Instead, please be responsible and ask for disposal instructions from your local government.

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Chapter 1 Introduction

The WAP-60AX is a high performance dual band (IEEE 802.11ax) WiFi 6 access point. The Wi-Fi interface operates 802.11ax 4T4R at 2.4GHz which is backward compatible with 802.11n/g/b and also supports high performance 802.11ax, 5T5R at 5GHz which is backward compatible with 802.11ac/n/a. There is also a 2.5G Ethernet port that can provide high-speed connectivity with local devices. Compatible with WPS 2.0, it provides an easy pairing method in order to link Personal Computers, Smart phones, Tablets, etc. by just pushing a button.

Chapter 2 Installation

2.1 Hardware Setup



DO NOT STACK

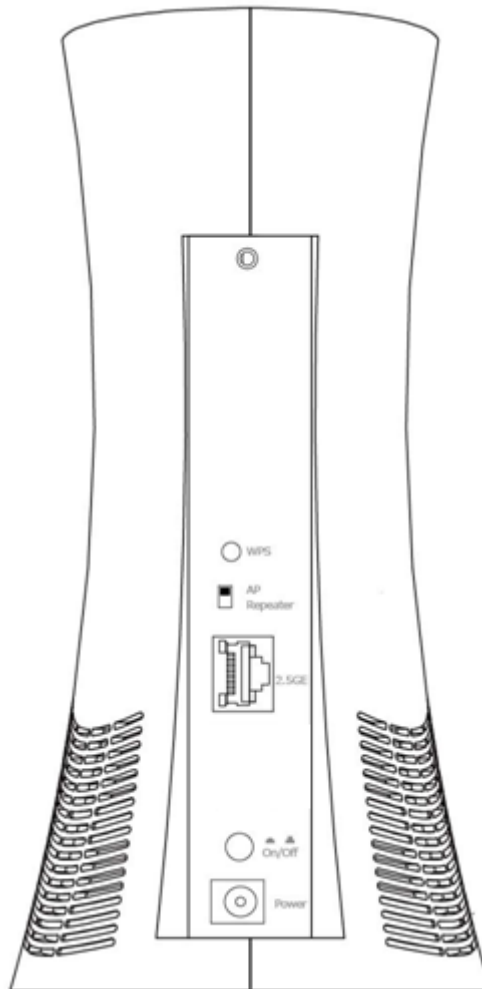
Non-stackable

This device is not stackable – do not place units on top of each other, otherwise damage could occur.

Follow the instructions below to complete the hardware setup.

2.1.1 Back Panel

The figure below shows the back panel of the device.



WPS Button

Press the WPS button to trigger the WPS function to connect with a wireless client within 2 minutes.

AP/Repeater Switch

Push the switch to the up position  for AP (Access Point) mode.

Push the switch to the down position  for Repeater mode.

The device will reboot and restore to default when switch is pushed to alternative position after 3 seconds.

2.5G ETH Port

One Ethernet port supports a link speed up to 2.5G and 1G connection with an RJ-45 cable, or 10/100BASE-T RJ-45 cable for standard network usage. This port is auto-sensing MDI/X; so either straight-through or crossover cable can be used.

Power ON

Press the power button to the OFF position (OUT). Connect the power adapter to the power port. Attach the power adapter to a wall outlet or other AC source. Press the power button to the ON position (IN). If the Power LED displays as expected then the device is ready for setup (see section – LED Indicators).

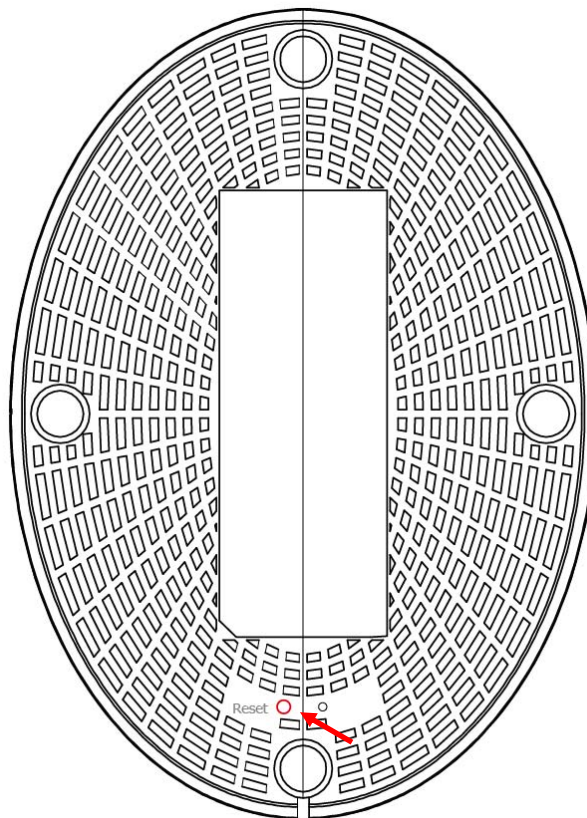
Caution 1: If the device fails to power up, or it malfunctions, first verify that the power cords are connected securely and then power it on again. If the problem persists, contact technical support.

Caution 2: Before servicing or disassembling this equipment, disconnect all power cords and telephone lines from their outlets.

2.1.2 Bottom Panel

Reset Button

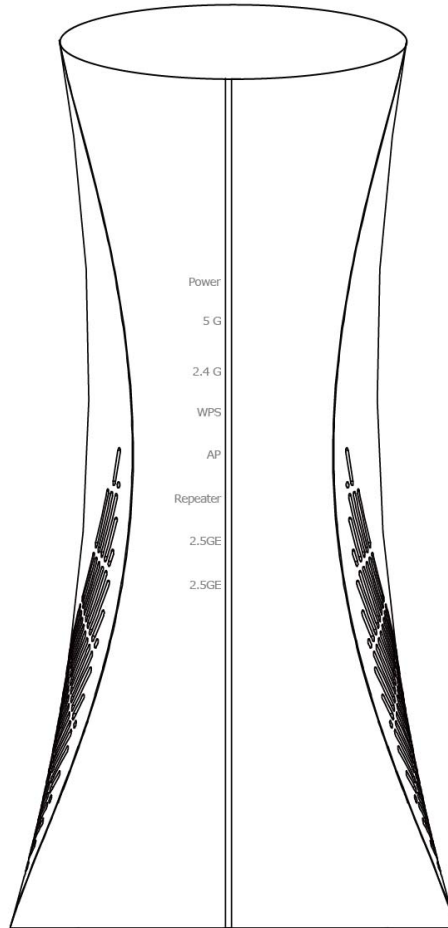
Restore the default parameters of the device by pressing the Reset button for 10 seconds. After the device has rebooted successfully, the front panel should display as expected (see section [2.1.3 Front Panel](#) for details).



2.1.3 Front Panel

The front panel LED indicators are shown below and explained in the following table.

This information can be used to check the status of the device and its connections.



LED	Color	Mode	Description
POWER	GREEN	On	The device is powered up
		Off	The device is powered down
	RED	On	POST (Power On Self Test) failure (not bootable) or Device malfunction A malfunction is any error of internal sequence or state that will prevent the device from normal operation.
5G WiFi	GREEN	On	(5GHz) Wi-Fi enabled in AP mode (5GHz) Wi-Fi connected with AP in Repeater mode
		Off	(5GHz) Wi-Fi disabled in AP mode (5GHz) No connection in Repeater mode
		Blink	(5GHz) Wi-Fi is transmitting/receiving
2.4G WiFi	GREEN	On	(2.4GHz) Wi-Fi enabled in AP mode (2.4GHz) Wi-Fi connected with AP in Repeater mode
		Off	(2.4GHz) Wi-Fi disabled in AP mode (2.4GHz) No connection in Repeater mode
		Blink	(2.4GHz) Wi-Fi is transmitting/receiving

WPS	GREEN	On	(2.4GHz+5GHz) WPS connection successful
		Off	No WPS association process ongoing
		Blink	(2.4GHz+5GHz)WPS connection in progress
AP	GREEN	On	Working in AP mode
		Off	Not in AP mode
REPEATER	GREEN	On	Working in Repeater mode
		Off	Not in Repeater mode
2.5GE	GREEN	On	2.5 Giga Ethernet connected
		Off	2.5 Giga Ethernet not connected
		Blink	2.5 Giga Ethernet is transmitting/receiving

Chapter 3 Web User Interface

This section describes how to access the device via the web user interface (WUI) using an Internet browser such as Internet Explorer (version 5.0 and later).

3.1 Default Settings

The factory default settings of this device are summarized below.

- LAN IP address: 192.168.1.251 (Access Point)
- LAN IP address: 192.168.1.252 (Repeater)
- LAN subnet mask: 255.255.255.0
- Administrative access (username: **root**, password: **12345**)
- WLAN access: **enabled**

Technical Note

During power on, the device initializes all settings to default values. It will then read the configuration profile from the permanent storage section of flash memory. The default attributes are overwritten when identical attributes with different values are configured. The configuration profile in permanent storage can be created via the web user interface or telnet user interface, or other management protocols. The factory default configuration can be restored either by pushing the reset button for more than ten seconds until the power indicates LED blinking or by clicking the Restore Default Configuration option in the Restore Settings screen.

3.2 IP Configuration

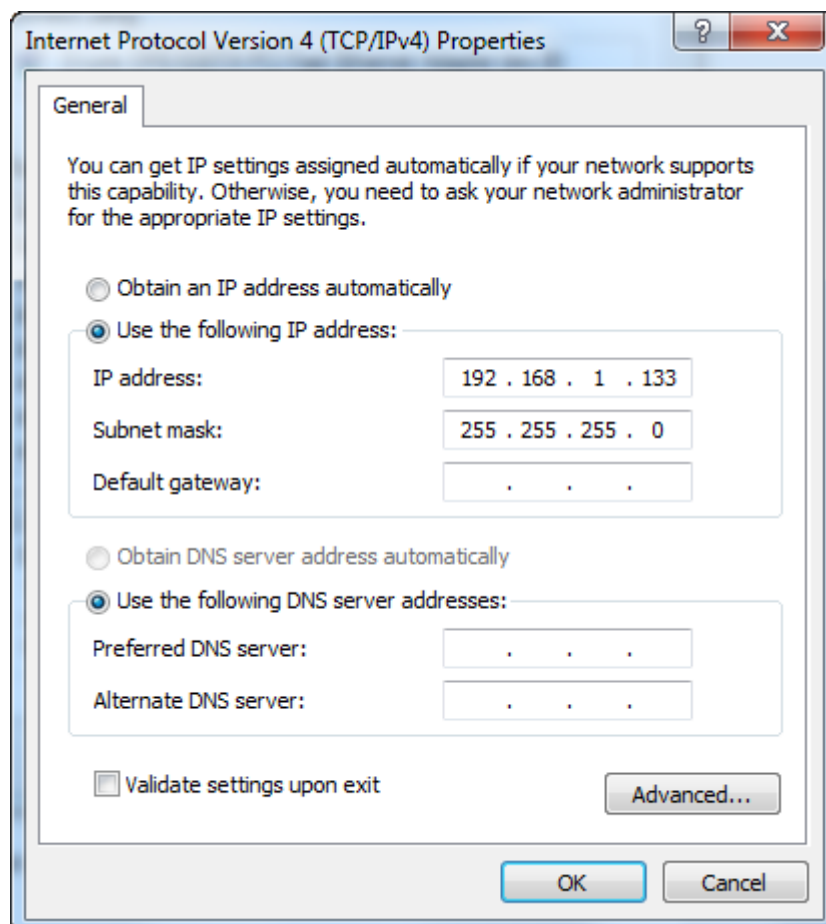
STATIC IP MODE

In static IP mode, you assign IP settings to your PC manually.

Follow these steps to configure your PC IP address to use subnet 192.168.1.x.

NOTE: The following procedure assumes you are running Windows. However, the general steps involved are similar for most operating systems (OS). Check your OS support documentation for further details.

- STEP 1:** From the Network Connections window, open Local Area Connection (You may also access this screen by double-clicking the Local Area Connection icon on your taskbar). Click the **Properties** button.
- STEP 2:** Select Internet Protocol (TCP/IP) **and click the** Properties button.
- STEP 3:** Change the IP address to the 192.168.1.x (1<x<250) subnet with subnet mask of 255.255.255.0. The screen should now display as shown below.



- STEP 4:** Click **OK** to submit these settings.

3.3 Login Procedure

Perform the following steps to login to the web user interface.

NOTE: The default settings can be found in section [3.1 Default Settings](#).

STEP 1: Start the Internet browser and enter the default IP address for the device in the Web address field. For example, if the default IP address is 192.168.1.251, type <http://192.168.1.251>.

NOTE: For local administration (i.e. LAN access), the PC running the browser must be attached to the Ethernet, and not necessarily to the device. For remote access (i.e. WAN), use the IP address shown on the [Device Information](#) screen and login with remote username and password.

STEP 2: A dialog box will appear, such as the one below. Enter the default username and password, as defined in section [3.1 Default Settings](#).



Click **OK** to continue.

STEP 3: After successfully logging in for the first time, you will reach this screen.

The screenshot displays the COMTREND web interface. On the left is a sidebar menu with icons and labels for 'Status', 'Wireless', 'Radio', 'System', and 'Logout'. The main content area is titled 'Status' and shows the following information:

- Board ID : QT5GUAXR-1551AX2
- Software Version : CEU-1.0.0
- Uptime : 2:0

Below this, there are tabs for '5G' and '2.4G'. The '5G' tab is selected. Under the 'Radio' section, the following settings are displayed:

- Wireless Band : 802.11AX
- Bandwidth : 80MHz
- Channel : 108

Under the 'Wireless' section, there is a card for 'Wi-Fi 0' with a red checkmark icon. The card shows the network name 'Comtrend5555_5GHz' and the status 'Broadcast ON'. At the bottom of the card, it shows 'Association 0' and a right-pointing arrow icon.

Chapter 4 Access Point Mode

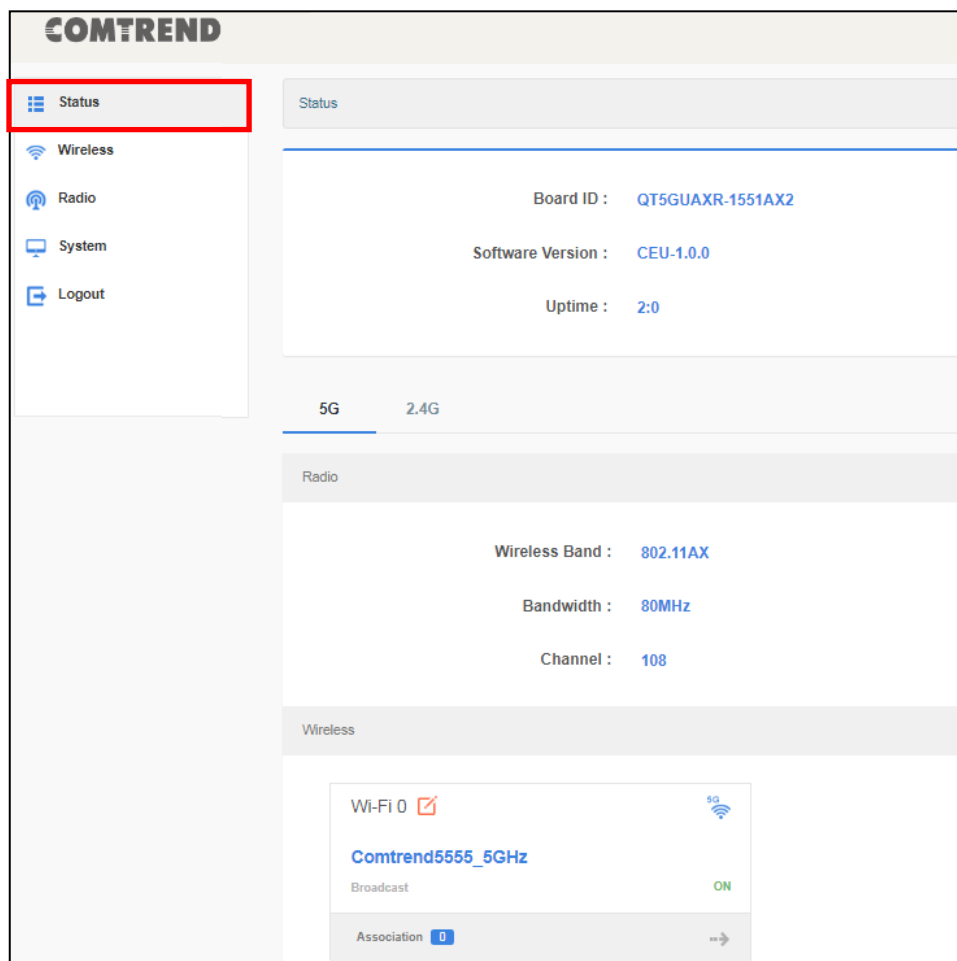
The web user interface window is divided into two frames, the main menu (on the left) and the display screen (on the right). The main menu has several options and selecting each of these options opens a submenu with more selections.

Make sure that you are in Access Point (AP) mode. See [Chapter 3](#) for login details.



4.1 Status (AP)

The Status page is the first selection on the main menu so it will be discussed first. Subsequent chapters will introduce the other main menu options in sequence.



This screen shows Software Version, 5G/2.4G Radio and wireless information.

4.2 Wireless (AP)

Click the wireless tab to access the wireless page.

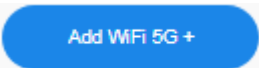
5G

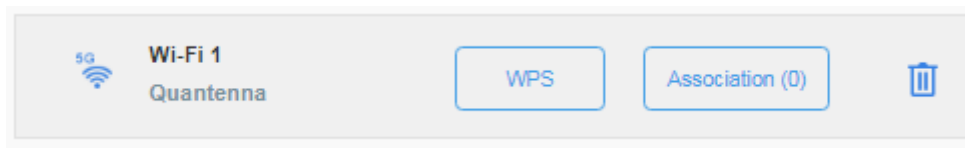
The screenshot shows the Comtrend Wireless configuration interface. On the left, a sidebar contains links for Status, Wireless (highlighted with a red box), Radio, System, and Logout. The main content area is titled 'Wireless' and has tabs for 5G and 2.4G. Under the 5G tab, there's a section for 'Wi-Fi 0' with the SSID 'Comtrend5555_5GHz'. Below this, there are settings for Broadcast (checked), Priority (0), Encryption (WPA2-AES), Passphrase (30DA005555), and PMF (Enabled). At the bottom, there are 'Save' and 'Cancel' buttons. A red box highlights the 'Save' button.

Click the  button to save your settings.

Item	Description
SSID	Sets the Service Set Identifier (also known as the network name) of this network
Broadcast	Check the checkbox to enable
Priority	Select the priority (0-3) from the drop-down menu
Encryption	Select the encryption method from the drop-down menu

Passphrase	Enter the security key for wireless encryption. The length must be greater than eight characters.
PMF	Stands for Protected Management Frame. This setting must be enabled if security is WPA3. For devices that support WPA2, it is recommended to disable this setting.

Click the  button to display the following.



Click the  button to add an entry.

WPS - Quantenna

WPS Configured State: Disabled

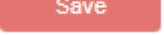
WPS PBC: WPS PBC

WPS PIN: WPS PIN

WPS AP PIN: FAIL Regenerate


Save

Close

Click the  button to save the entry.


Item	Description
WPS Configured State	Select from the drop-down menu
WPS PBC	This is the software WPS (WiFi Protected Setup) PBB Push Button Configuration button)
WPS PIN	The WPS PIN needs to be four or eight characters
WPA AP PIN	To regenerate a new WPA AP PIN click on the Regenerate button

Association (0)

Click the  button to display the following.

NO.	Station	RSSI	Rx Bytes	Tx Bytes	Bw

Item	Description
NO.	The Index of the associated station
Station	MAC address of the associated station
RSSI	The received signal strength indicator
Rx Bytes	Number of Bytes received
Tx Bytes	Number of Bytes transmitted
Bw	Operating Bandwidth of the associated station



Click the  icon to delete a wireless interface. The following window will pop up.

Delete Wireless Interface

Are you sure to delete this wireless?

Cancel

Delete

Click the  button to confirm or the  button to close the window.

4.3 Radio (AP)

Click the radio tab to access the radio page.

Radio 5G

The screenshot shows the COMTREND web interface. On the left sidebar, the 'Radio' tab is highlighted with a red box. The main content area is titled 'Radio' and has two sub-tabs: 'Radio - 5G' and 'Radio - 2.4G'. The 'Radio - 5G' tab is active. The settings for 'Radio - 5G' are as follows:

- Radio Mode: Access Point (dropdown menu)
- Wireless Band: 802.11AX (dropdown menu)
- Bandwidth: 80MHz (dropdown menu)
- Channel: Auto (dropdown menu)
- DTIM Period: 3 (text input)
- Short GI: ☒ (checkbox)

At the bottom right of the settings area, there are two buttons: 'Save' (red) and 'Cancel' (grey).

Click the  button to save your settings.

Item	Description
Radio Mode	Select Repeater or Access Point from the drop-down menu
Wireless Band	Select the wireless band from the drop-down menu
Bandwidth	Select the bandwidth (20-160MHz) from the drop-down menu
Channel	Select the channel from the drop-down menu
DTIM Period	Set the DTIM period of wireless radio. Do not modify default value if you don't know what it is, default value is 3.
Short GI	Check the checkbox to enable

Radio 2.4G

COMTREND

- Status
- Wireless
- Radio**
- System
- Logout

Radio

Radio - 5G
Radio - 2.4G

Wireless Band: 802.11AXNG

Bandwidth: 20MHz

Channel: Auto

DTIM Period: 3

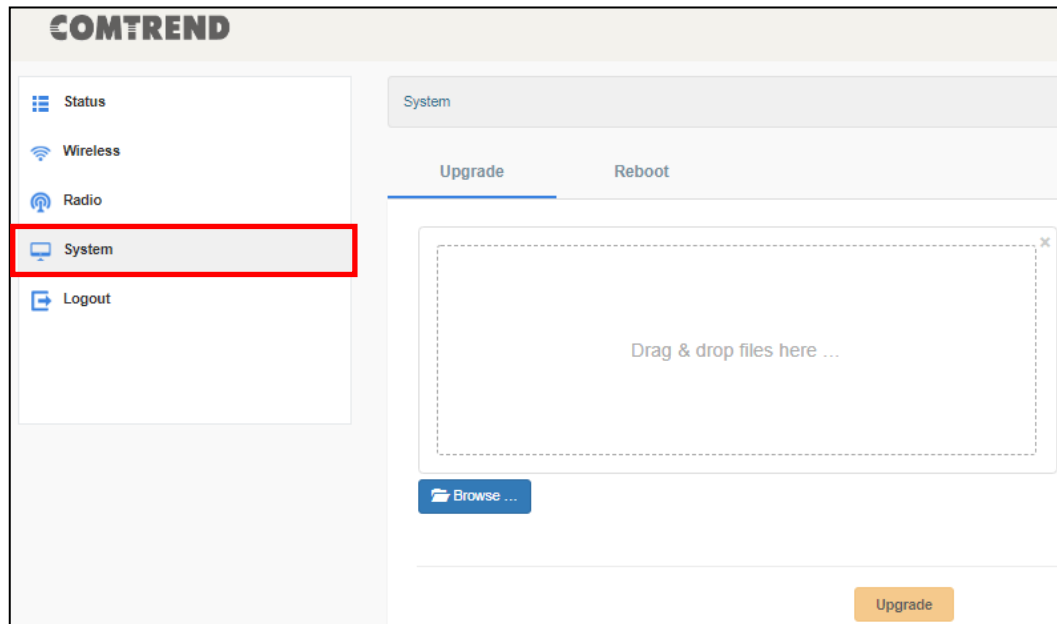
Short GI: ☒

Save Cancel

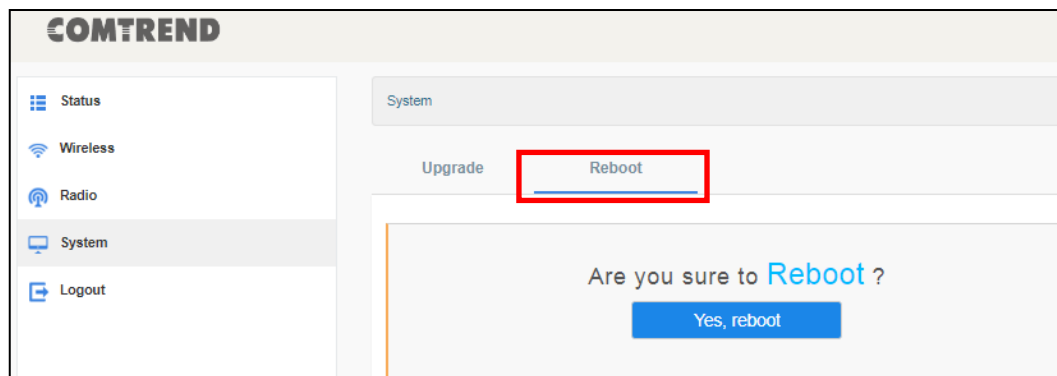
Item	Description
Radio Mode	Select the radio mode (Repeater or Access Point) from the drop-down menu.
Wireless Band	Select the wireless band from the drop-down menu.
Bandwidth	Select the bandwidth from the drop-down menu.
Channel	Select the channel from the drop-down menu.
DTIM Period	Set the DTIM period of wireless radio. Do not modify default value if you don't know what it is, default value is 3.
Short GI	Tick the box to activate the Short GI (Guard Interval).

4.4 System (AP)

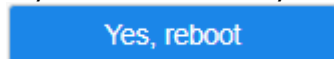
Click the System tab to access the system page.



Once on the System page, click on the Reboot tab to display the reboot page.

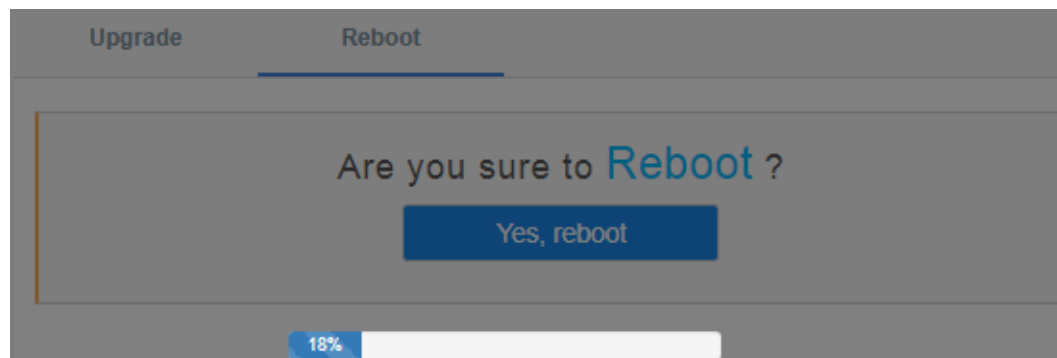


If you are sure that you want to reboot your WAP-60AX, click the




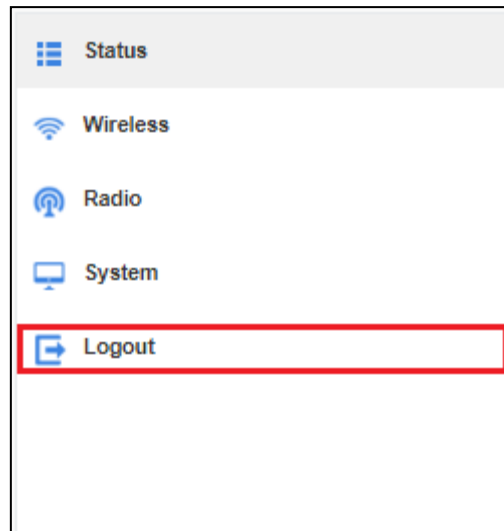
button.

The reboot process is shown here for your reference.



4.5 Logout (AP)

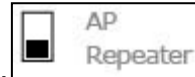
Click on the  Logout tab to logout from your WAP-60AX.



Chapter 5 Repeater Mode

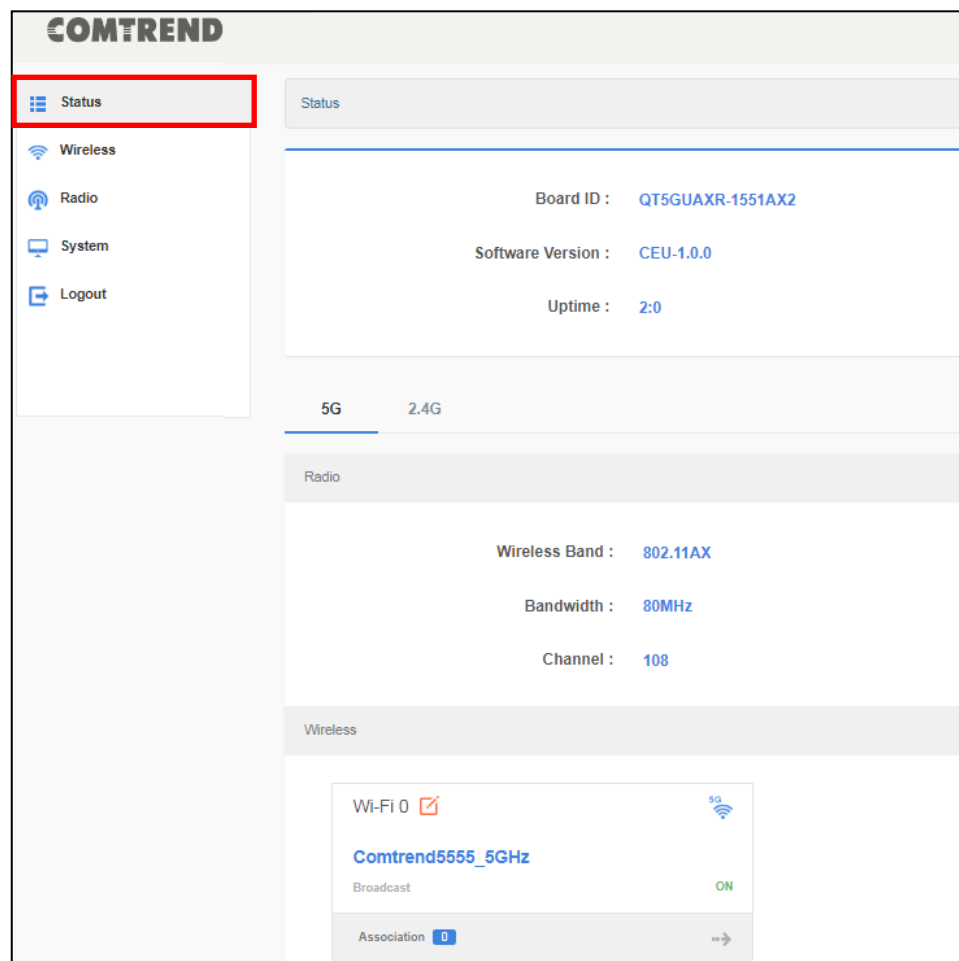
The web user interface window is divided into two frames, the main menu (on the left) and the display screen (on the right). The main menu has several options and selecting each of these options opens a submenu with more selections.

Make sure that you are in Repeater mode.
See [Chapter 3](#) for login details.



5.1 Status (Repeater)

The Status page is the first selection on the main menu so it will be discussed first. Subsequent chapters will introduce the other main menu options in sequence.

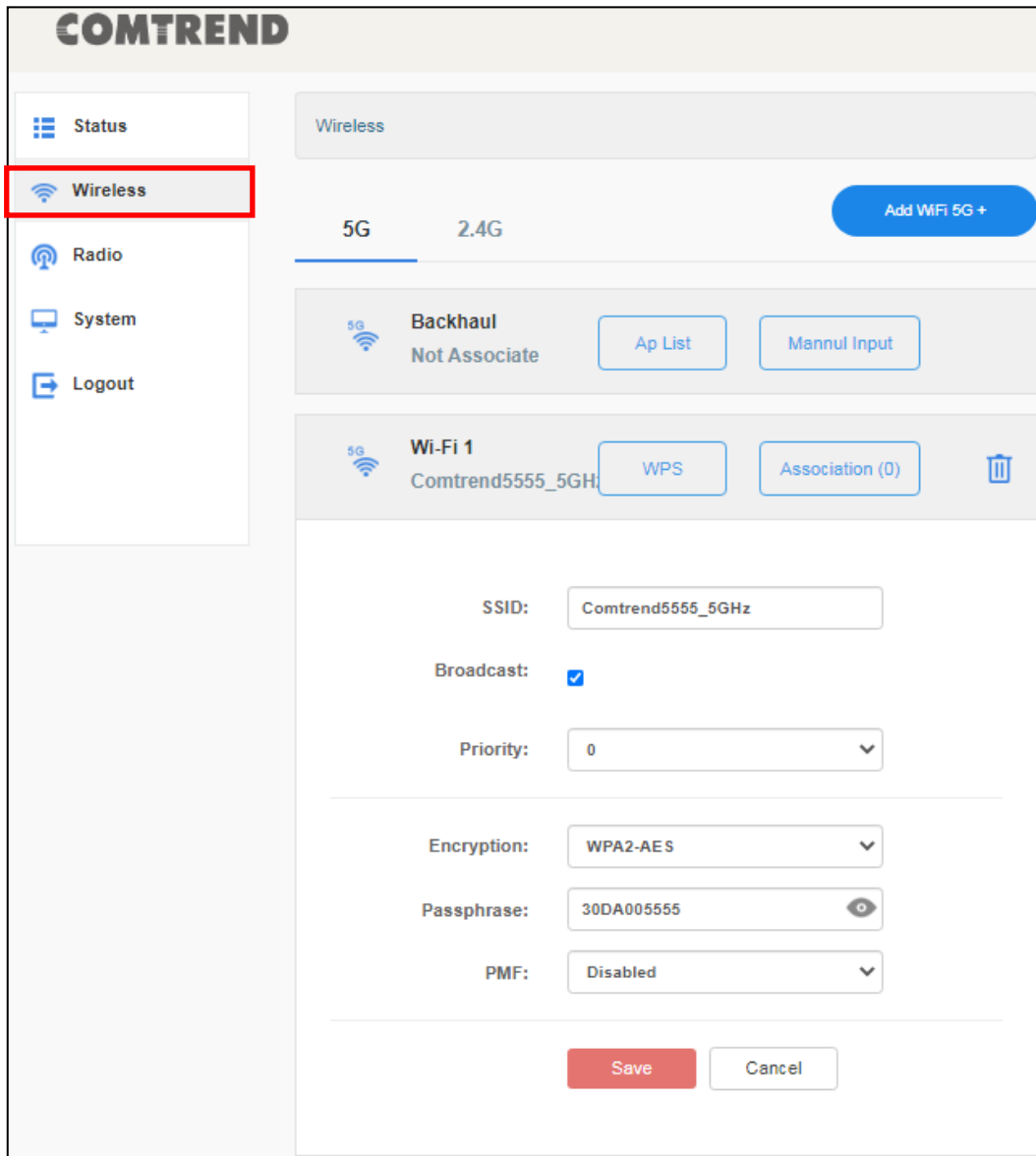


This screen shows Software Version, 5G/2.4G Radio and wireless information.

5.2 Wireless (Repeater)

Click the wireless tab to access the wireless page.

5G



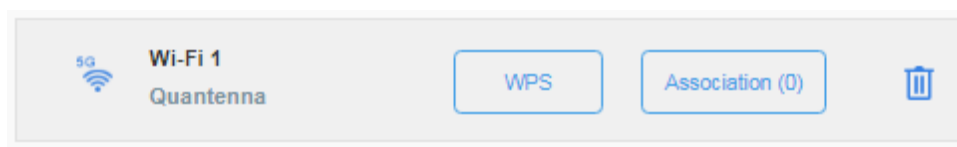
The screenshot shows the COMTREND web interface for configuring wireless settings. On the left sidebar, the 'Wireless' tab is highlighted with a red box. The main content area is titled 'Wireless' and has tabs for '5G' and '2.4G'. Under the '5G' tab, there are two sections: 'Backhaul' (Not Associate) and 'Wi-Fi 1' (Comtrend5555_5GHz). The 'Wi-Fi 1' section is expanded, showing configuration fields: SSID (Comtrend5555_5GHz), Broadcast (checked), Priority (0), Encryption (WPA2-AES), Passphrase (30DA005555), and PMF (Disabled). At the bottom of the configuration area are 'Save' and 'Cancel' buttons.

Click the **Save** button to save your settings.

Item	Description
SSID	Sets the Service Set Identifier (also known as the network name) of this network

Broadcast	Check the checkbox to enable
Priority	Select the priority (0-3) from the drop-down menu
Encryption	Select the encryption method from the drop-down menu
Passphrase	Enter the security key for wireless encryption. The length must be greater than eight characters.
PMF	Stands for Protected Management Frame. This setting must be enabled if security is WPA3. For devices that support WPA2, it is recommended to disable this setting.

Click the  button to display the following.



Click the  button to display the following.

Status	SSID	BSSID	Channel	RSSI
	MIWFI_tigV	1C:64:99:B9:FC:EA	44	-25dbm
	CTMIS-INT-V	54:EC:2F:8B:D6:6C	120	-37dbm
	CTMIS-GUEST	54:EC:2F:4B:D6:6C	120	-37dbm
	CTMIS-INT	54:EC:2F:0B:D6:6C	120	-37dbm
	3845_5G	1C:64:99:23:8C:87	100	-47dbm
	Justine 5G	1C:64:99:B7:72:E6	36	-49dbm
	ioofmixer	B8:EC:A3:F1:AC:21	44	-50dbm
	don5G	C8:D1:2A:79:0F:72	108	-51dbm
	don5G	4C:6E:6E:20:90:61	108	-51dbm
	don5G	4C:6E:6E:20:8F:11	108	-52dbm
	iooflight	BE:EC:A3:F1:AC:21	44	-53dbm
	Dr-Chiang-5G	64:09:80:4F:2D:0E	132	-54dbm
	CTMIS-INT-V	54:EC:2F:8B:BE:6C	136	-57dbm
	CTMIS-GUEST	54:EC:2F:4B:BE:6C	136	-57dbm
	CTMIS-INT	54:EC:2F:0B:BE:6C	136	-57dbm
	CTMIS-INT	54:EC:2F:0B:9A:6C	56	-67dbm
	MES_NPI_5G	C8:D1:2A:4E:53:E4	36	-69dbm
	CTMIS-INT-V	54:EC:2F:8B:9A:6C	56	-70dbm

Close

Click the  button to close the window.

Item	Description
Status	Shows where the access point is open or encrypted
SSID	Displays the Service Set Identifier (also known as the network name) of this network
BSSID	Basic service set identifiers
Channel	Displays the channel number
RSSI	The received signal strength indicator

Mannul Input

Click the button to display the following.

Backhaul Association

Warning! Connect to a new Access Point may lead to connection losing.

SSID:

Encryption:

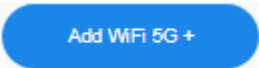
Connect
Close

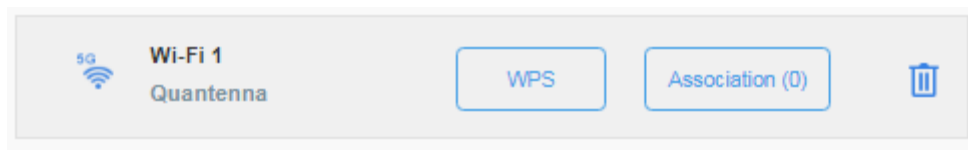
Click the button to connect a new access point.

Close

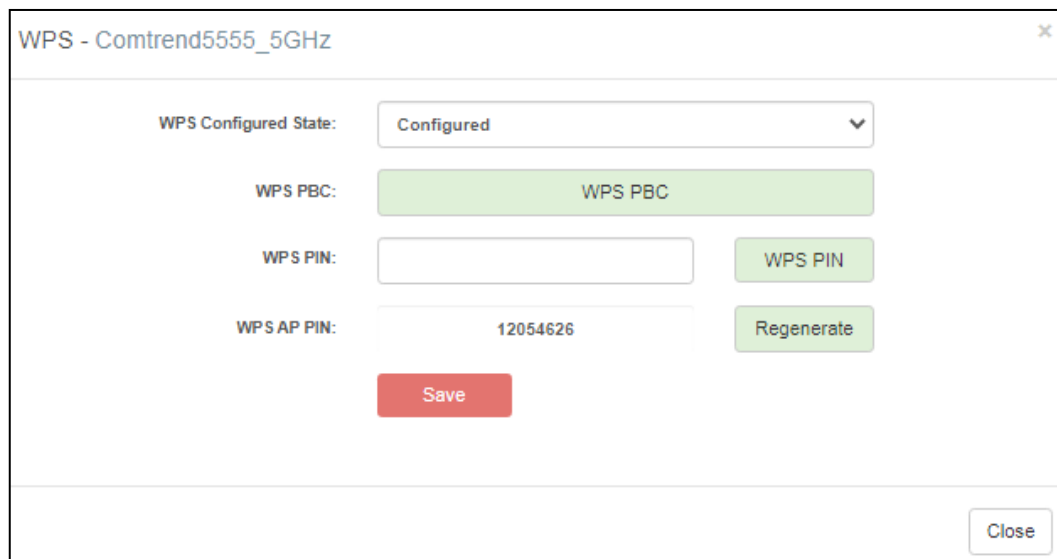
Click the button to close the window.

Item	Description
SSID	Input the service set identifier
Encryption	Select the encryption method

Click the  button to add virtual access points (guest SSID interfaces).



Click the  button to add an entry.



The WPS configuration window for 'Comtrend5555_5GHz' contains the following elements:

- WPS Configured State:** A dropdown menu currently set to 'Configured'.
- WPS PBC:** A green button labeled 'WPS PBC'.
- WPS PIN:** An empty text input field next to a green 'WPS PIN' button.
- WPS AP PIN:** A text input field containing '12054626' next to a green 'Regenerate' button.
- Save:** A red button at the bottom center.
- Close:** A button in the bottom right corner.

Click the  button to save the entry.

Item	Description
WPS Configured State	Select from the drop-down menu
WPS PBC	This is the software WPS (WiFi Protected Setup) PBB Push Button Configuration button)
WPS PIN	The WPS PIN needs to be four or eight characters
WPA AP PIN	To regenerate a new WPA AP PIN click on the Regenerate button


A rectangular button with a blue border and the text "Association (0)" in blue.

Click the button to display the following.

5G Association Table ✕

NO.	Station	RSSI	Rx Bytes	Tx Bytes	Bw

Close

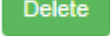
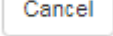
Click the  icon to delete a wireless interface. The following window will pop up.

Delete Wireless Interface

x

Are you sure to delete this wireless?

CancelDelete

Click the  button to confirm or the  button to close the window.

5.3 Radio (Repeater)

Click the radio tab to access the radio page.

Radio 5G

The screenshot shows the COMTrend web interface. On the left sidebar, the 'Radio' tab is highlighted with a red box. The main content area is titled 'Radio' and has two sub-tabs: 'Radio - 5G' and 'Radio - 2.4G'. The 'Radio - 5G' tab is active. It contains the following settings:

- Radio Mode: Repeater (dropdown menu)
- Wireless Band: 802.11AX (dropdown menu)
- Bandwidth: 80MHz (dropdown menu)
- Channel: Auto (dropdown menu)
- DTIM Period: 3 (text input)
- Short GI: ☒ (checkbox)

At the bottom right, there are 'Save' and 'Cancel' buttons.

Click the  button to save your settings.

Item	Description
Radio Mode	Select the radio mode (Repeater or Access Point) from the drop-down menu
Wireless Band	Select the wireless band from the drop-down menu
Bandwidth	Select the bandwidth bandwidth (20-160MHz) from the drop-down menu
Channel	Select the channel from the drop-down menu
DTIM Period	Set the DTIM period of wireless radio. Do not modify default value if you don't know what it is, default value is 3.
Short GI	Tick the box to activate the Short GI (Guard Interval).

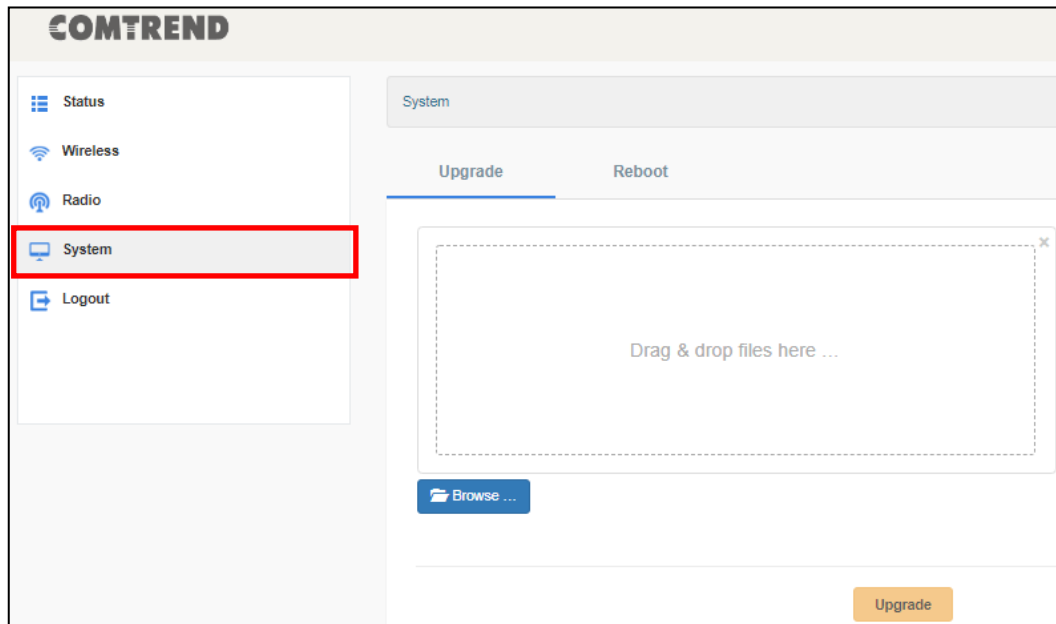
Radio 2.4G

The screenshot shows the COMTREND web interface. On the left is a sidebar with navigation links: Status, Wireless, Radio (selected), System, and Logout. The main content area is titled 'Radio' and contains two tabs: 'Radio - 5G' and 'Radio - 2.4G'. The 'Radio - 2.4G' tab is selected and highlighted with a red rectangular box. Below the tabs are configuration fields for the 2.4G radio: 'Wireless Band' (dropdown menu showing 802.11AXNG), 'Bandwidth' (dropdown menu showing 20MHz), 'Channel' (dropdown menu showing Auto), 'DTIM Period' (text input field showing 3), and 'Short GI' (checkbox that is checked). At the bottom of the configuration area are two buttons: 'Save' (red) and 'Cancel' (grey).

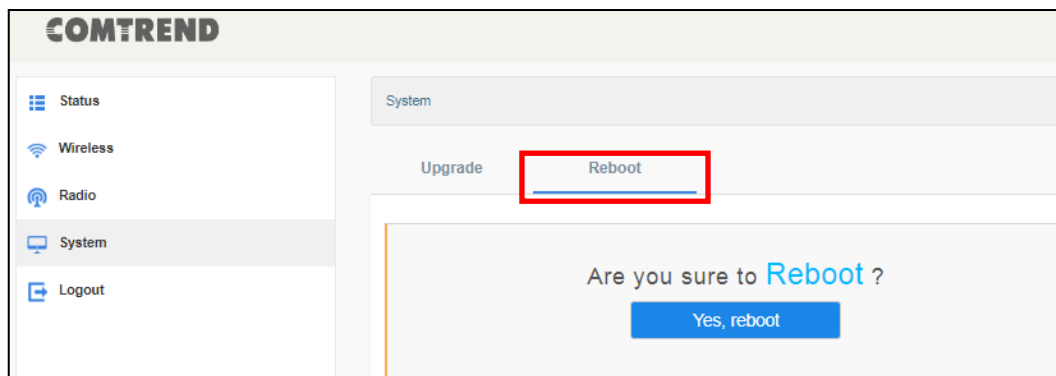
Item	Description
Radio Mode	Select the radio mode (Repeater or Access Point) from the drop-down menu.
Wireless Band	Select the wireless band from the drop-down menu.
Bandwidth	Select the bandwidth from the drop-down menu.
Channel	Select the channel from the drop-down menu.
DTIM Period	Set the DTIM period of wireless radio. Do not modify default value if you don't know what it is, default value is 3.
Short GI	Tick the box to activate the Short GI (Guard Interval).

5.4 System (Repeater)

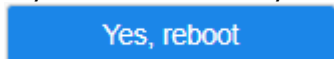
Click the System tab to access the system page.



Once on the System page, click on the Reboot tab to display the reboot page.

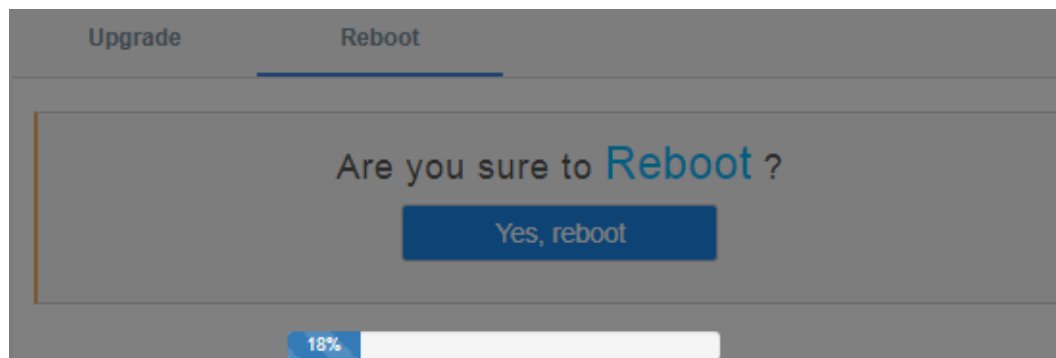


If you are sure that you want to reboot your WAP-60AX, click the




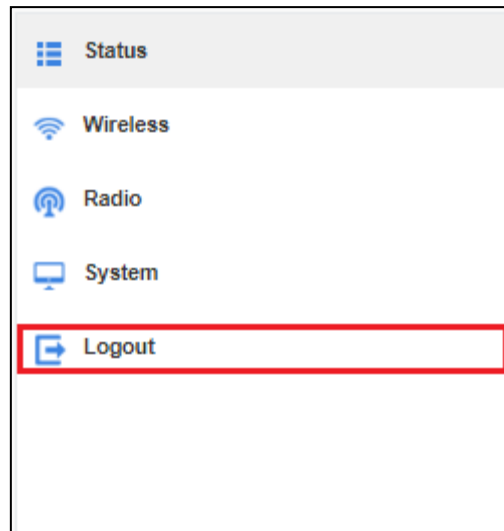
button.

The reboot process is shown below for your reference.



5.5 Logout (Repeater)

Click on the  Logout tab to logout from your WAP-60AX.



Appendix A - Pin Assignments

Giga ETHERNET Port (RJ45)

Pin	Name	Description
1	BI_DA+	Bi-directional pair A +
2	BI_DA-	Bi-directional pair A -
3	BI_DB+	Bi-directional pair B +
4	BI_DC+	Bi-directional pair C +
5	BI_DC-	Bi-directional pair C -
6	BI_DB-	Bi-directional pair B -
7	BI_DD+	Bi-directional pair D +
8	BI_DD-	Bi-directional pair D -

Appendix B – Specifications

Hardware

- Master / Slave Switch X 1
- RJ-45 X 1 for 2.5GE
- Reset button X 1
- WPS button X 1
- Reset button X 1
- Single Band Internal Antenna X 1
- Dual Band Internal Antenna X 4
- Power Switch X 1

2.5Gigabit Ethernet

- IEEE 802.3bz
- 2.5G BASE-T, auto-sense
- Support MDI/MDX

Wireless

- IEEE 802.11ax, 2.4GHz, 4T4R
Backward compatible with 802.11n/g/b
2412~2472 MHz
- IEEE 802.11ax, 5GHz, 5T5R,
Backward compatible with 802.11ac/n/a
U-NII-1 (5150~5250 MHz)
U-NII-2a (5250~5350 MHz) optional
U-NII-2c/2e (5470~5725 MHz) optional
U-NII-3 (5725~5825 MHz) optional

Power Supply

- External power adapter: 12VDC/ 2.0A

Environment

- Operating Temperature: 0°C ~40°C (32°F ~104°F)
- Operating Humidity: 10%~90% non-condensing
- Storage Temperature: -25°C ~65°C (-23°F ~149°F)
- Storage Humidity: 5%~90% non-condensing

Kit Weight

(1* WAP-60AX, 1*RJ45 cable, 1*power adapter) = 0.8 kg

NOTE: Specifications are subject to change without notice.
