UM-125User Manual

Version 1.0

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Table of Contents

1. Product overview

1.1. Functional overview

This product is an IOT gateway that can manage multiple wireless devices at the same time with Wi-Fi as the backbone. Each wireless device functions independently after initialization.

1.2. Features of this product

- You can attach directly to the wall simply by plugging the AC plug into an outlet.
- IEEE802.11a / b / g / n / ac can be used as the backbone.
- Built-in Bluetooth (BLE / Classic).
- You can select Wi-Fi repeater / station mode.
- Wired LAN connection is possible.
- Built-in Wi-Fi router + BT aggregator + Specific device to device communication + device location estimation function.
- You can hang a device with Wi-Fi connection, a device with BT connection.
- Information from the BT device and device location information are uploaded from the WAN side.
- Disable each function by setting (corresponding to security policy, wireless use policy).
- Insert into outlet and, start using Web interface settings.
- All APs and connection information are all managed by the web interface

1.3. Product Specifications

Name	Details
CPU	Dual core Processor (600MHz)
NOR Flash	16MB
DDR2	128MB
RTC	Pericom PT7C43390(With battery backup)
LAN	LAN: 1 x 10/100/1000 Mbps (RJ45 connector / auto MDI / MDIX compatible)
USB	USB2.0 x1
Switch	Reset / WPS / Mode switching
Antenna	Internal antennas x 4
Wireless compatible standard	2.4GHz/5GHz IEEE802.11 b/g/n/a/ac
Wireless security	Disable / WEP / WPA / WPA2 / WPA-Mixed
Data transfer speed (standard value)	Max 866Mbps(IEEE802.11ac) Max 300Mbps(IEEE802.11n)
Bluetooth	TI CC2564 / Bluetooth 4.0(BLE Classic) TI CC2541 / Bluetooth 4.0(BLE)
Zigbee	Silicon Labs EM357
Power Supply	Built-in 100 to 240 V AC / DC power supply and 12 V / 2A DC IN (DC IN input) are installed ※Use DC IN with priority
LED	3 color LED x 3
Security	Kensington Rock
External dimensions	(Not including projection)

1.4. Button

Name	Action
WPS	Press and hold for 3 seconds When Wi-Fi function is enabled, shift to WPS setting mode. (No operation when Wi - Fi function is disabled)
Reset	Press and hold for 3 seconds Restart the system.

1.5. LED

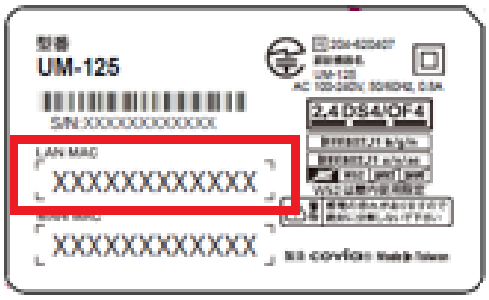
LED	Color	State	Details
LED1 (MODE)	Red	Off	On successful operation
		Blink	When system error occurs
LED2 (WiFi)	Orange	Off	When connected to network or when Wi-Fi is disabled
		On	When there is no Wi-Fi connection or Wi-Fi disabled
	Green	Off	When there is no Wi-Fi connection or Wi-Fi disabled
		On	When there is no Wi-Fi connection or Wi-Fi disabled
		Blink	During Wi-Fi communication
	Red	Off	On successful operation
		Blink	When a system error occurs
LED3 (BT/BLE)	Orange	Off	When there is a BT / BLE connection or when BT / BLE is invalid
		On	When there is no BT / BLE connection
	Green	Off	When there is no BT / BLE connection or when BT / BLE is disabled
		On	When there is a BT / BLE connection
		Blink	When there is BT / BLE connection and communication is in progress
	Red	Off	On successful operation
		Blink	When a system error occurs

2. Quick Setup

2.1. Check serial number

Check the serial number on the exterior.

This serial number will be used to identify the SSID.



2.2. Connect to UM-125

Connect the UM-125 to the power supply.
The LED will begin blinking green, so wait until the blinking ends.

Connect from the PC to UM-125 via Wi-Fi.
Information necessary for connection is described below.

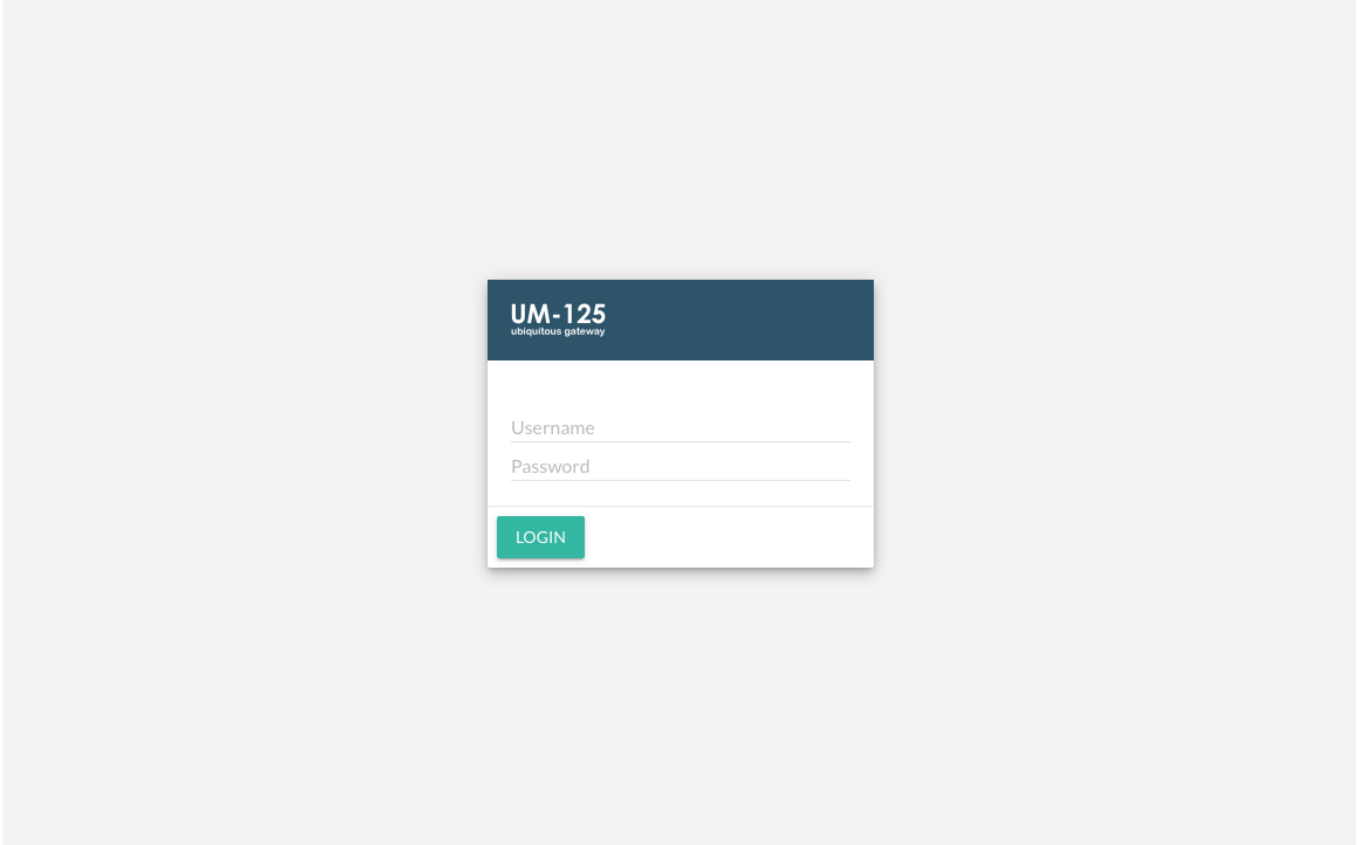
Name	Details
SSID	2.4GHz: UM125XXXXXXXXXXX 5GHz: UM125 XXXXXXXXXXX_5G XXXXXXXXXXX is the serial number.
Encryption	WPA2-PSK, AES
Passphrase	cdcapum125
UM-125 IP Address	192.168.1.254

Notes.
Please refer to the PC manual for PC operation.

If the connection is successful, proceed to the next step.

2.3. Login

Make sure to switch the mode into Router Mode, then open a Microsoft Internet Explorer, Mozilla Firefox or Apple Safari browser, and enter http://192.168.1.254 (Default Gateway)into browser's blank.



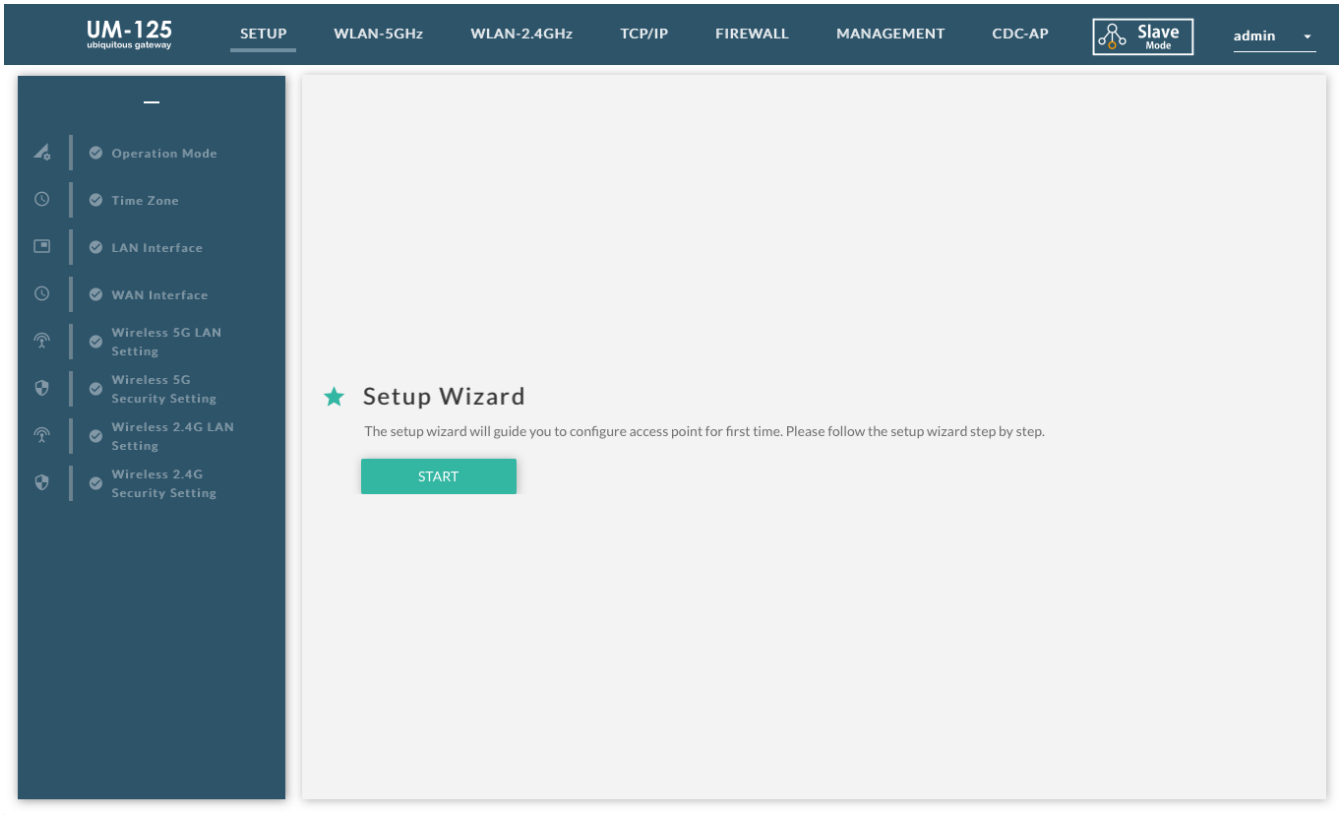
Please enter your user name and password and login.

Name	Details
Username	admin (default)
Password	admin (default)

2.4. Setup Wizard

The setup wizard will guide you to configure access point for first time. Please follow the setup wizard step by step.

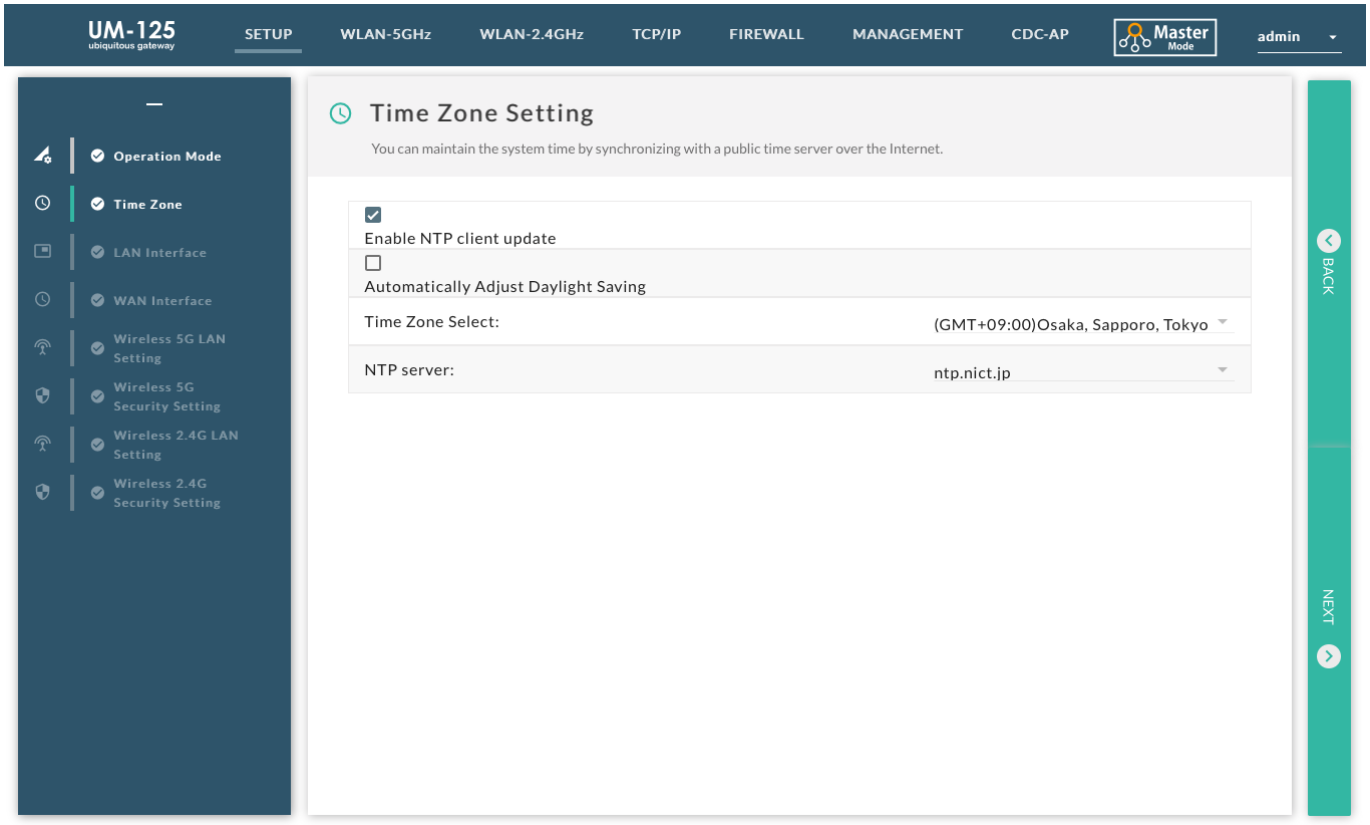
2.4.1. Setup Wizard - Top



Item	Description
START	Start Setup Wizard.

2.4.2. Setup Wizard – Time Zone Setting

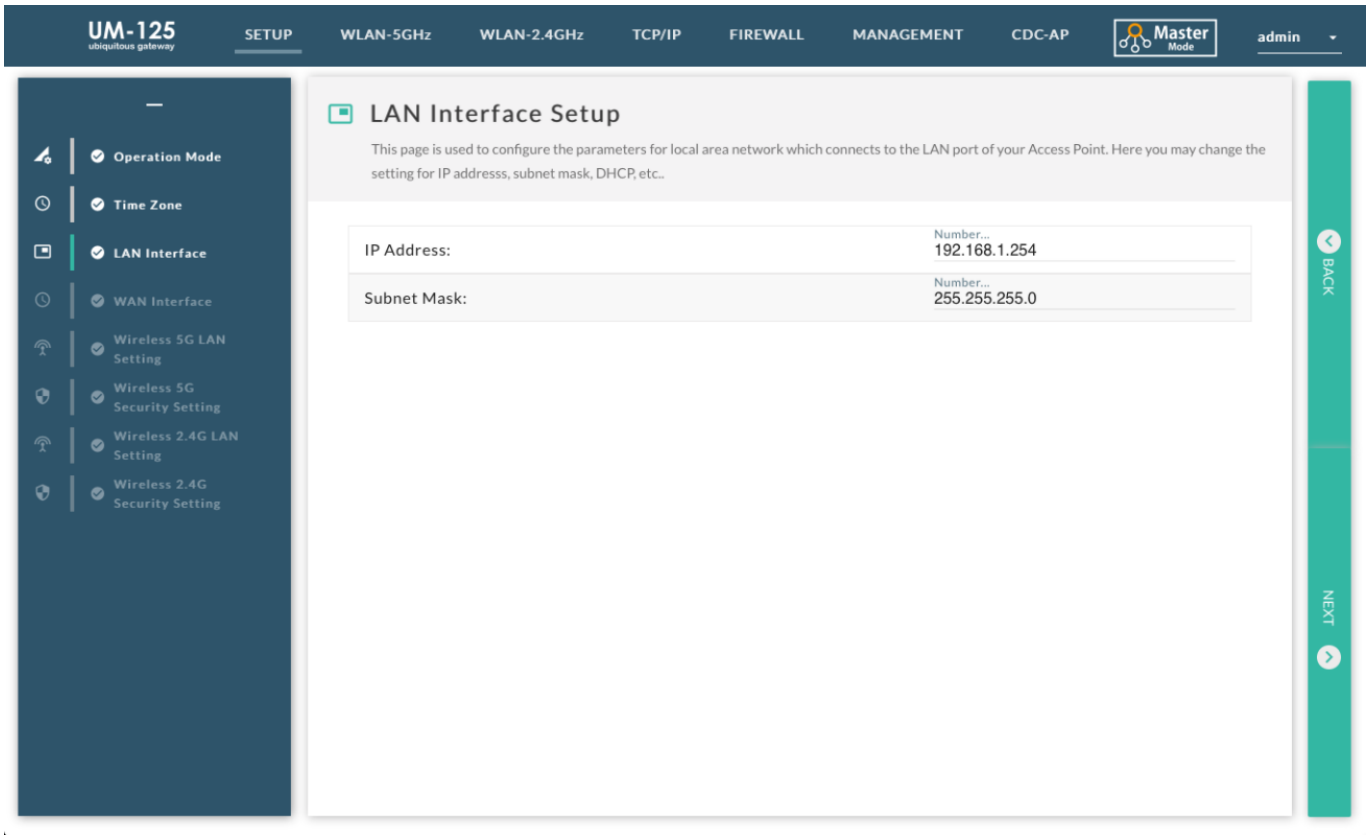
You can maintain the system time by synchronizing with a public time server over the Internet.



Item	Description
Enable NTP client update	Enable automatic time setting by NTP.
Automatically Adjust Daylight Saving	Enable automatic adjustment of daylight saving time.
Time Zone Select	Select time zone.
NTP server	Select NTP server.
BACK	Go back to previous page.
NEXT	Go to the next page

2.4.3. Setup Wizard – LAN Interface Setup

Here you may change the settings for IP address, subnet mask, DHCP, etc ..

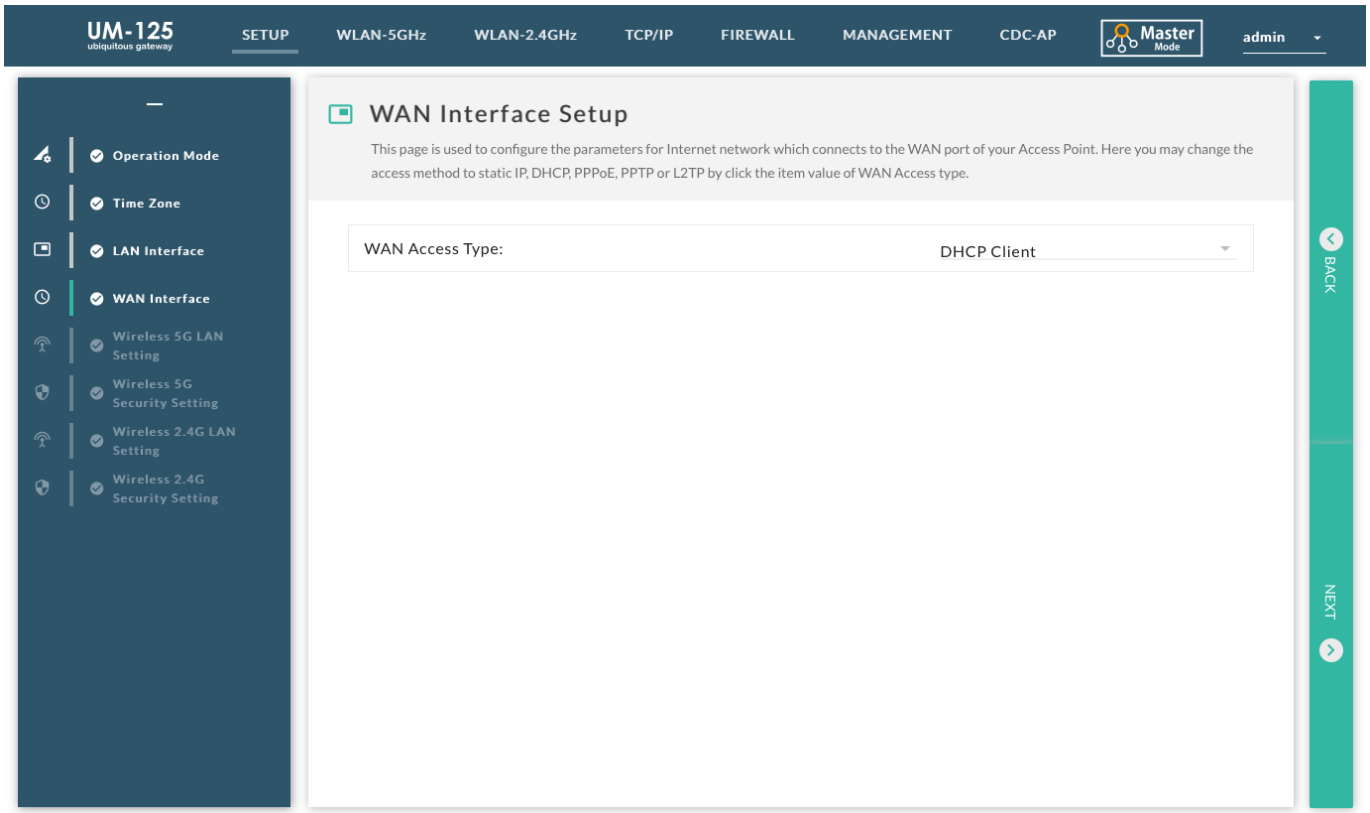


Item	Description
IP Address	Set the IP address of the LAN.
Subnet Mask	Set the subnet mask of the LAN.
BACK	Go back to previous page.
NEXT	Go to the next page

2.4.4. Setup Wizard – WAN Interface Setup

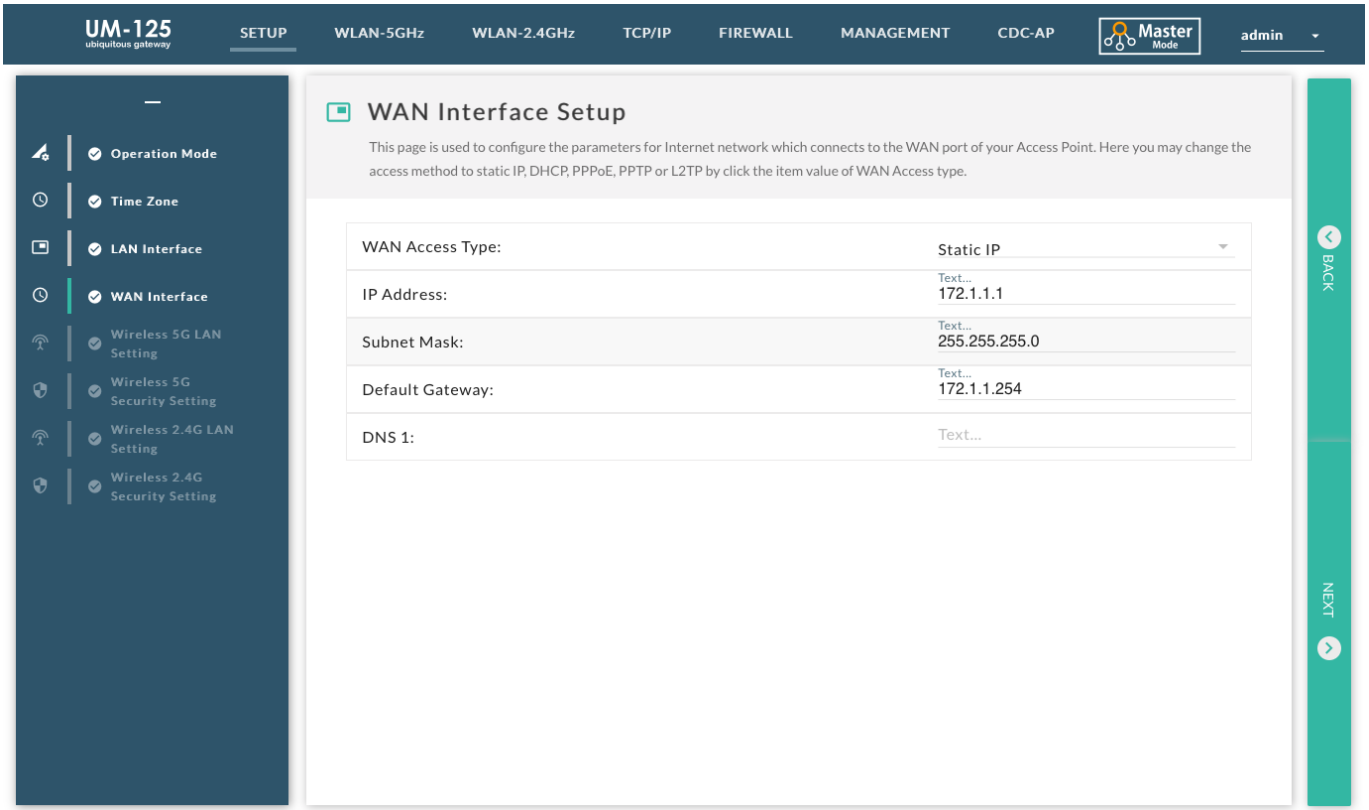
This page is used to configure the parameters for Internet network which connects to the WAN port of your Access Point. Here you may change the access method to static IP, DHCP by click the item value of WAN Access type.

DHCP



Item	Description
WAN Access Type	Set the access type of the WAN.
BACK	Go back to previous page.
NEXT	Go to the next page

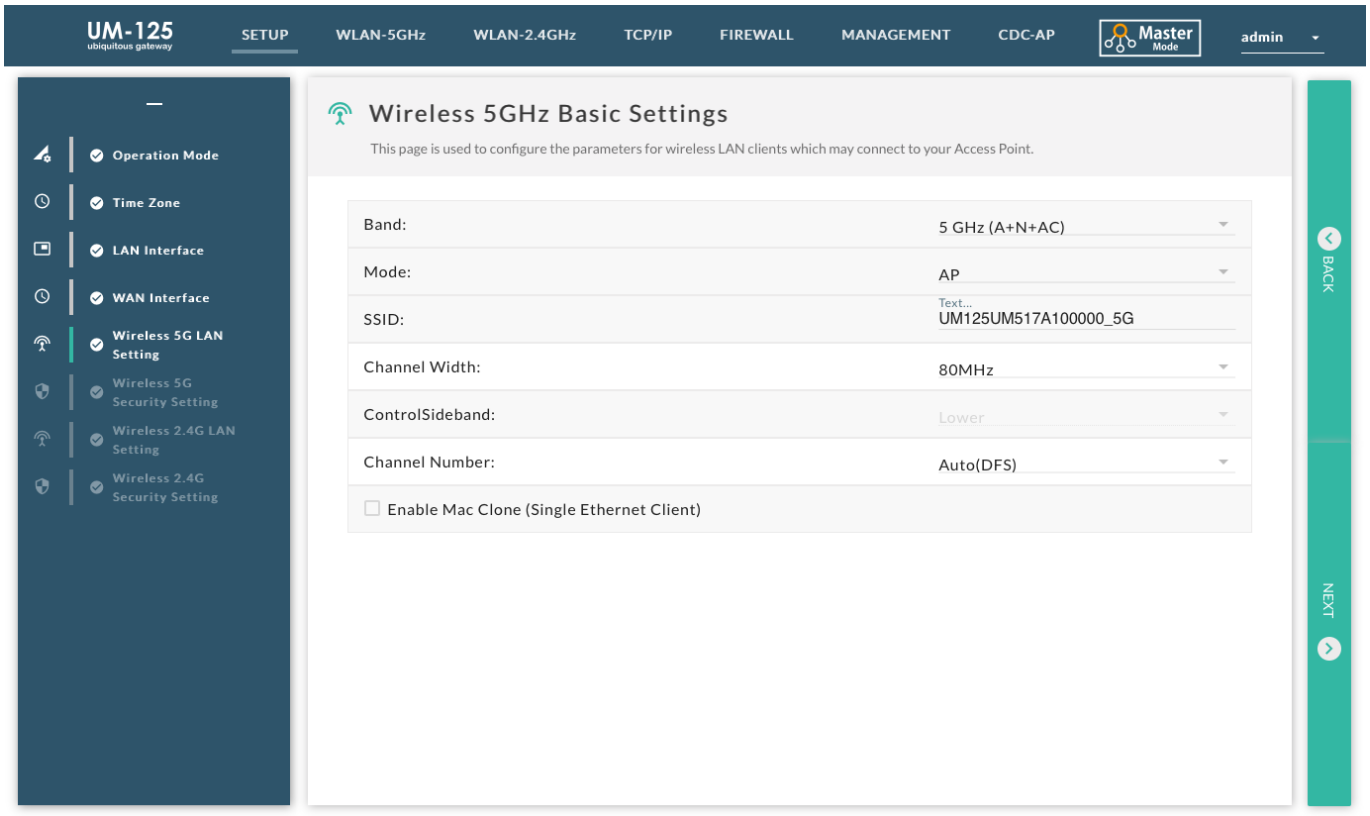
Static IP Address



Item	Description
WAN Access Type	Set the access type of the WAN.
IP Address	Set the IP address of the WAN.
Subnet Mask	Set the subnet mask of the WAN.
Default Gateway	Set the default gateway of the WAN.
DNS1	Set the DNS of the WAN.
BACK	Go back to previous page.
NEXT	Go to the next page

2.4.5. Setup Wizard – Wireless 5GHz Basic Setting

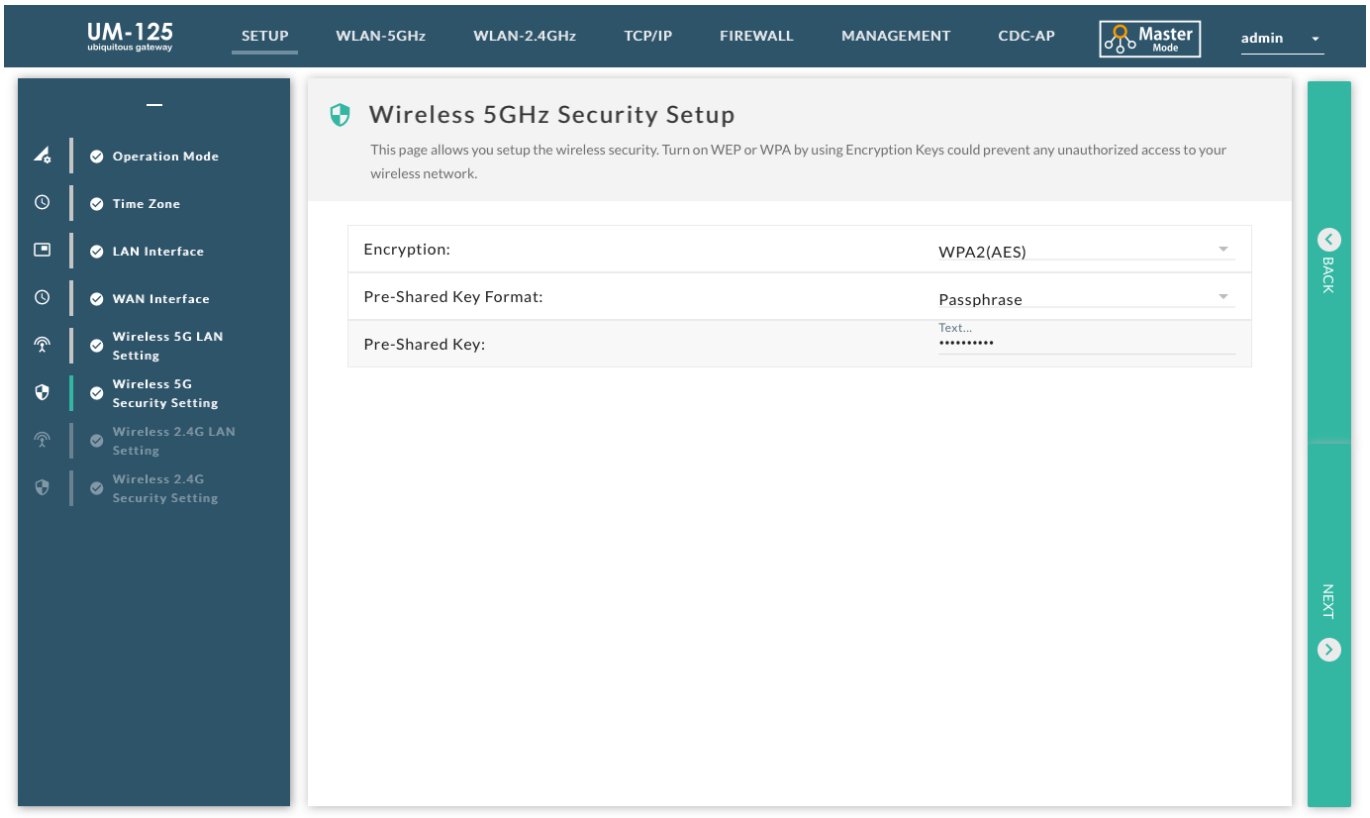
This page is used to configure the parameters for wireless LAN clients which may connect to your Access Point.



Item	Description
Band	Select the band type of the Wireless 5GHz.
Mode	Select the mode of the Wireless 5GHz.
SSID	Set the SSID of the Wireless 5GHz.
Channel Width	Select the channel width of the Wireless 5GHz.
Control Sideband	Select the control sideband of the Wireless 5GHz.
Channel Number	Select the channel number of the Wireless 5GHz.
Enable Mac Clone	Set the MAC Clone enable/disable of the Wireless 5GHz.
BACK	Go back to previous page.
NEXT	Go to the next page

2.4.6. Setup Wizard – Wireless 5GHz Security Setting

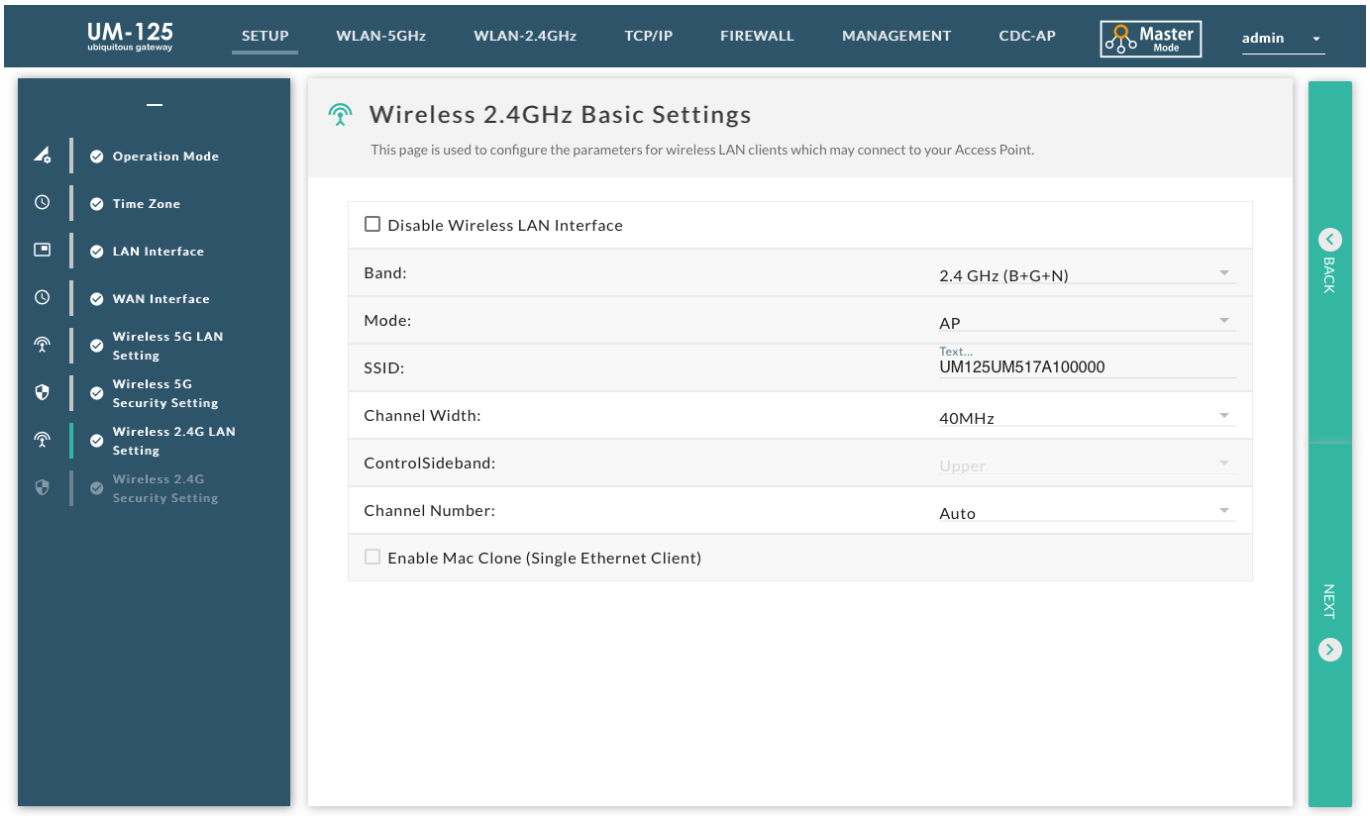
This page allows you setup the wireless security. Turn on WEP or WPA by using Encryption Keys could prevent any unauthorized access to your wireless network.



Item	Description
Encryption	Select the encryption type of the Wireless 5GHz.
Pre-Shared Key Format	Select the pre-shared key format of the Wireless 5GHz.
Pre-Shared Key	Set the pre-shared key of the Wireless 5GHz.
BACK	Go back to previous page.
NEXT	Go to the next page

2.4.7. Setup Wizard – Wireless 2.4GHz Basic Setting

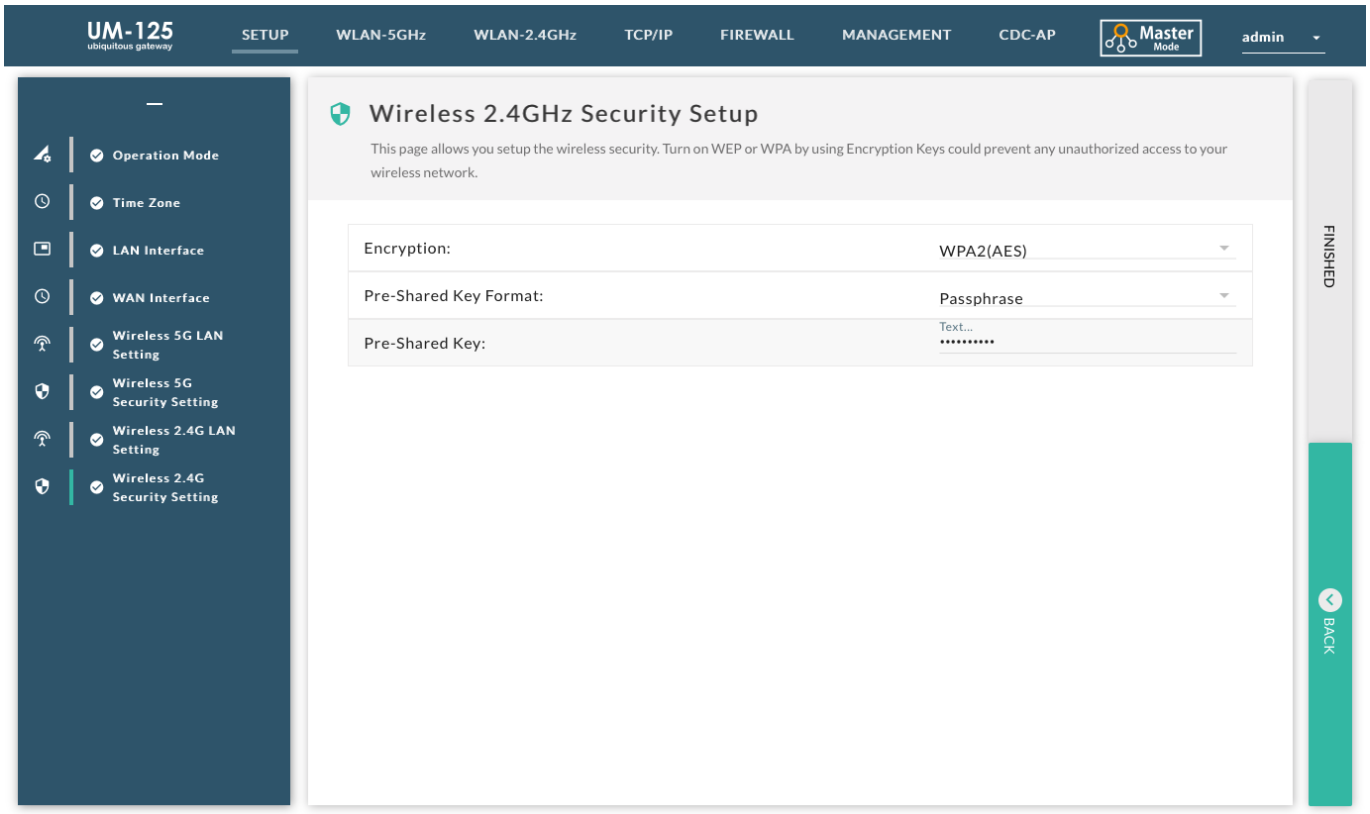
This page is used to configure the parameters for wireless LAN clients which may connect to your Access Point.



Item	Description
Disable Wireless LAN Interface	Set to enable or disable Wireless 2.4GHz.
Band	Select the band type of the Wireless 2.4GHz.
Mode	Select the mode of the Wireless 2.4GHz.
SSID	Set the SSID of the Wireless 2.4GHz.
Channel Width	Select the channel width of the Wireless 2.4GHz.
Control Sideband	Select the control sideband of the Wireless 2.4GHz.
Channel Number	Select the channel number of the Wireless 2.4GHz.
Enable Mac Clone	Set the MAC Clone enable/disable of the Wireless 2.4GHz.
BACK	Go back to previous page.
NEXT	Go to the next page

2.4.8. Setup Wizard – Wireless 2.4GHz Security Setting

This page allows you setup the wireless security. Turn on WEP or WPA by using Encryption Keys could prevent any unauthorized access to your wireless network.

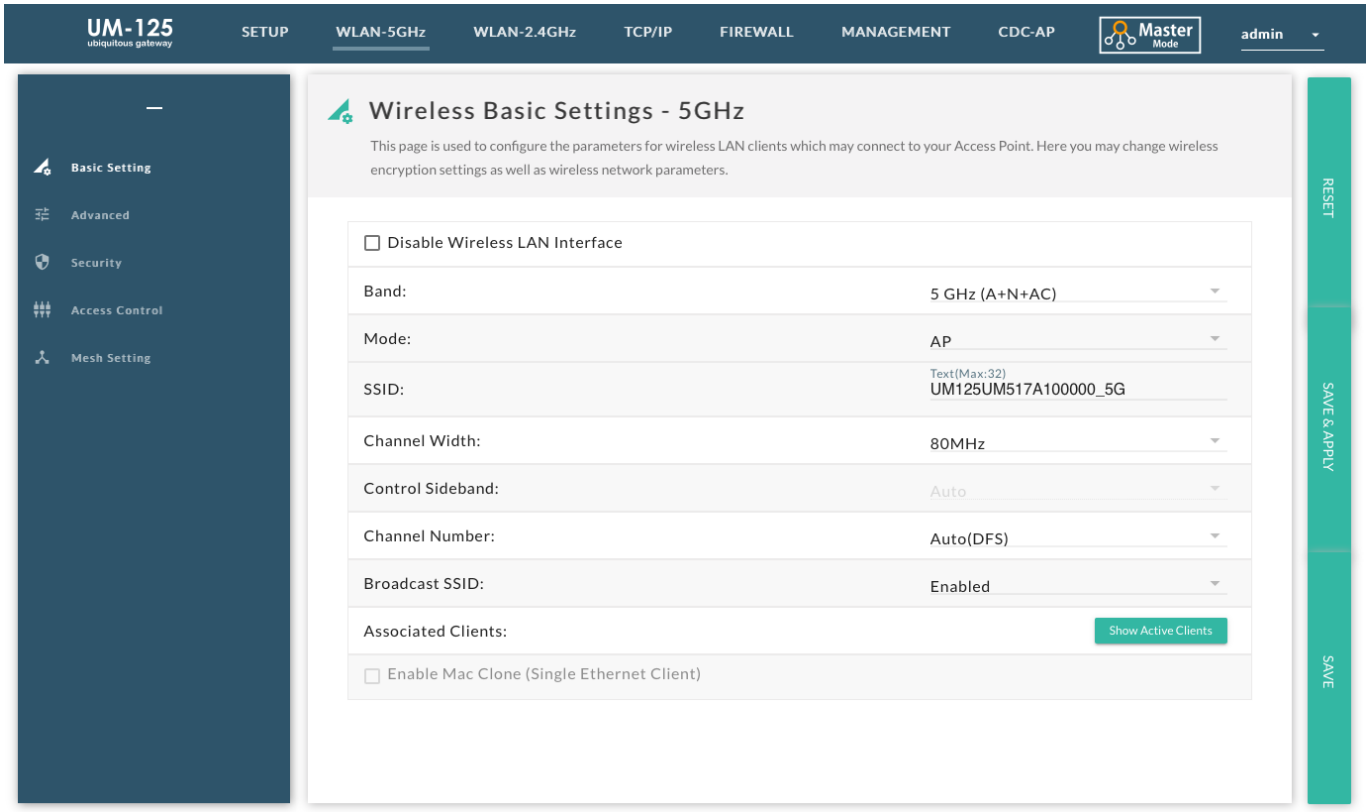


Item	Description
Encryption	Select the encryption type of the Wireless 2.4GHz.
Pre-Shared Key Format	Select the pre-shared key format of the Wireless 2.4GHz.
Pre-Shared Key	Set the pre-shared key of the Wireless 2.4GHz.
BACK	Go back to previous page.
FINISHED	It reflects the setting contents. Rebooting may be performed depending on the setting contents. Do not turn off the power until the setting is completed.

3. Wireless 5GHz Settings

3.1. Wireless 5GHz Settings – Basic Setting

This page is used to configure the parameters for wireless LAN clients which may connect to your Access Point. Here you may change wireless encryption settings as well as wireless network parameters.

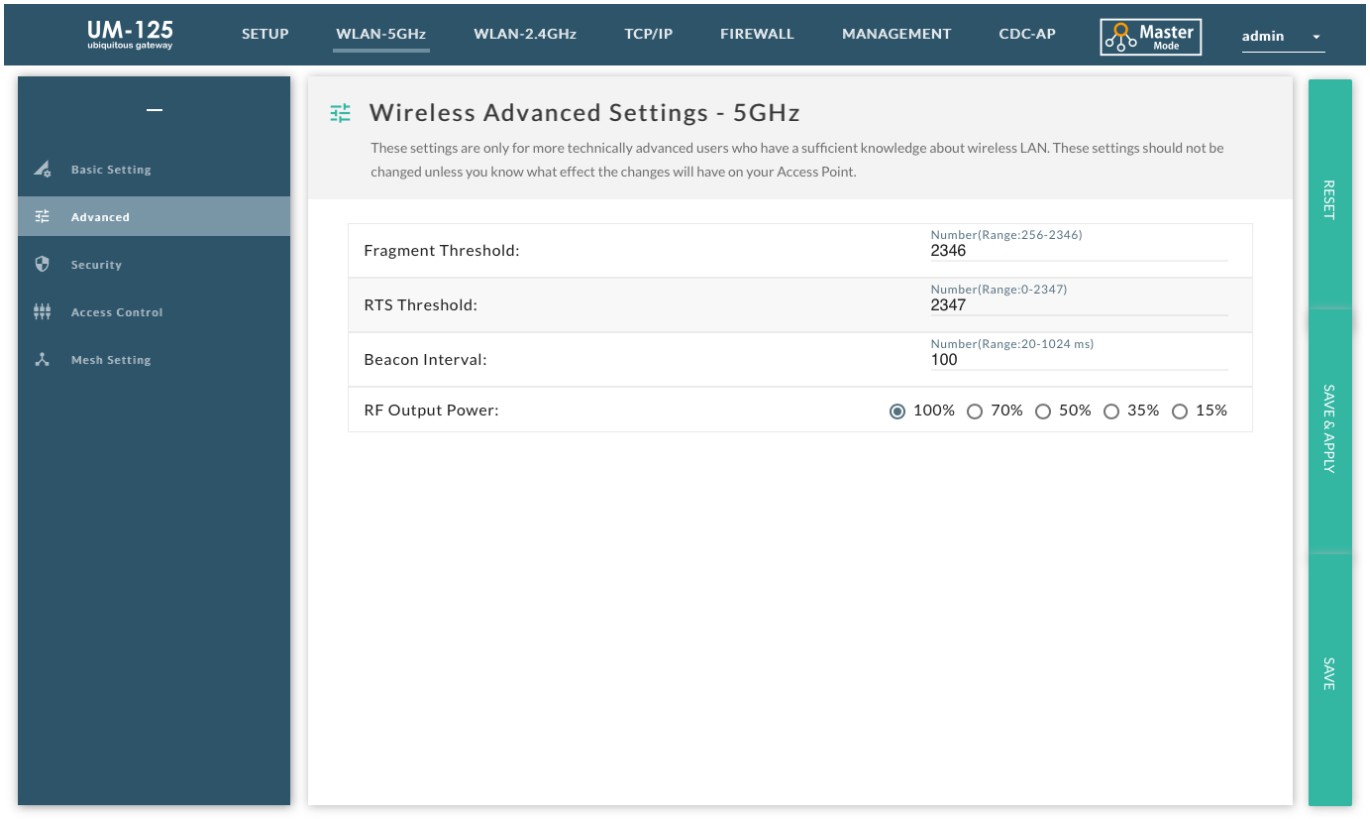


Item	Description
Disable Wireless LAN Interface	Set to enable or disable Wireless 5GHz.
Band	Select the band type of the Wireless 5GHz.
Mode	Select the mode of the Wireless 5GHz.
SSID	Set the SSID of the Wireless 5GHz.
Channel Width	Select the channel width of the Wireless 5GHz.
Control Sideband	Select the control sideband of the Wireless 5GHz.
Channel Number	Select the channel number of the Wireless 5GHz.
Broadcast SSID	Set whether to broadcast the SSID of the Wireless 5GHz.
Associated Clients	When you press the button, the currently connected list is displayed.
Enable Mac Clone	Set the MAC Clone enable/disable of the Wireless 5GHz.
RESET	Discard the current setting contents.
SAVE&APPLY	Save the settings and reflect the settings.

SAVE	Save the settings only. At the next startup or when other settings are reflected, The saved settings will be reflected.

3.2. Wireless 5GHz Settings – Advanced Setting

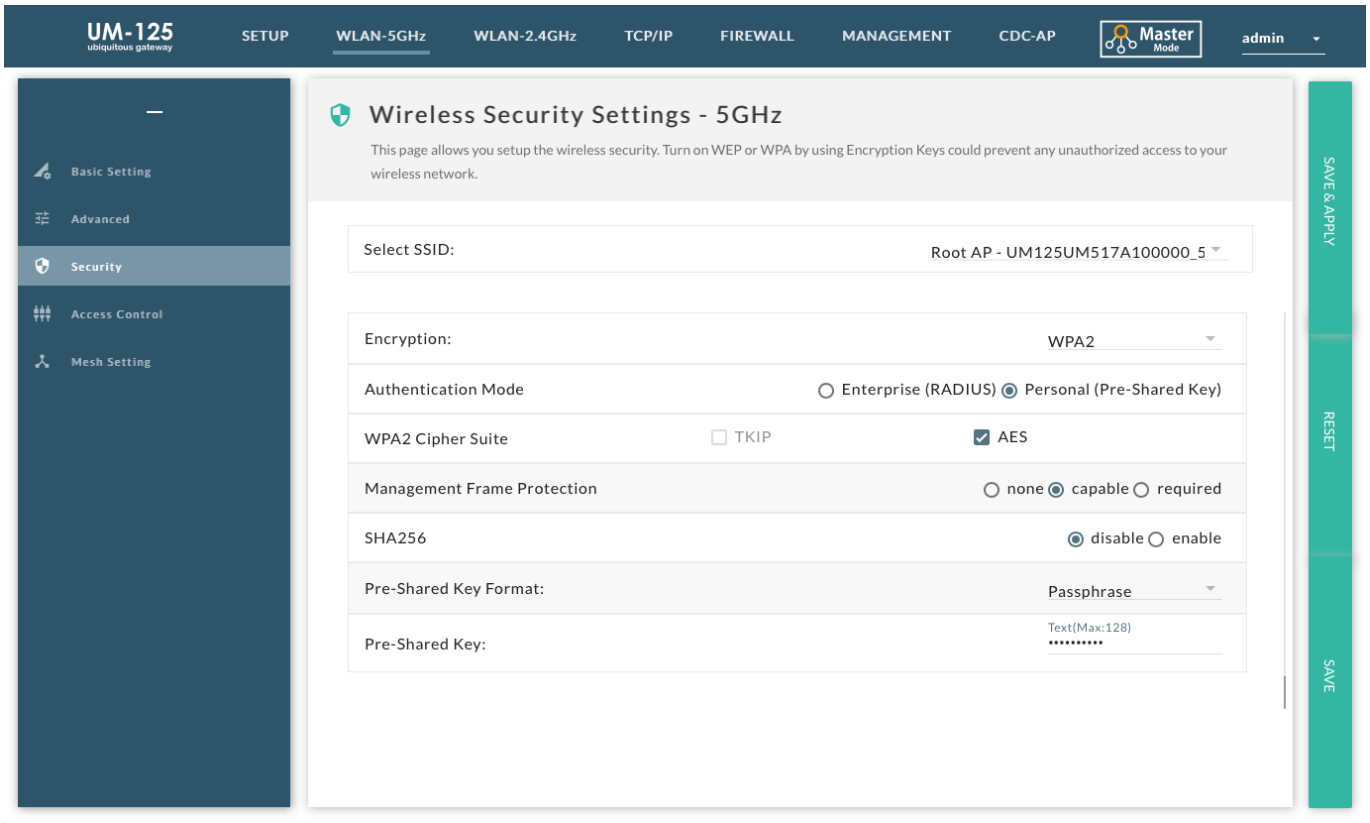
These settings are only for more technically advanced users who have a sufficient knowledge about wireless LAN. These settings should not be changed unless you know what effect the changes will have on your Access Point.



Item	Description
Fragment Threshold	Set the fragment threshold of the Wireless 5GHz.
RTS Threshold	Set the RTS threshold of the Wireless 5GHz.
Beacon Interval	Set the beacon interval of the Wireless 5GHz.
RF Output Power	Select the RF output power of the Wireless 5GHz.
RESET	Discard the current setting contents.
SAVE&APPLY	Save the settings and reflect the settings.
SAVE	Save the settings only. At the next startup or when other settings are reflected, The saved settings will be reflected.

3.3. Wireless 5GHz Settings – Security Setting

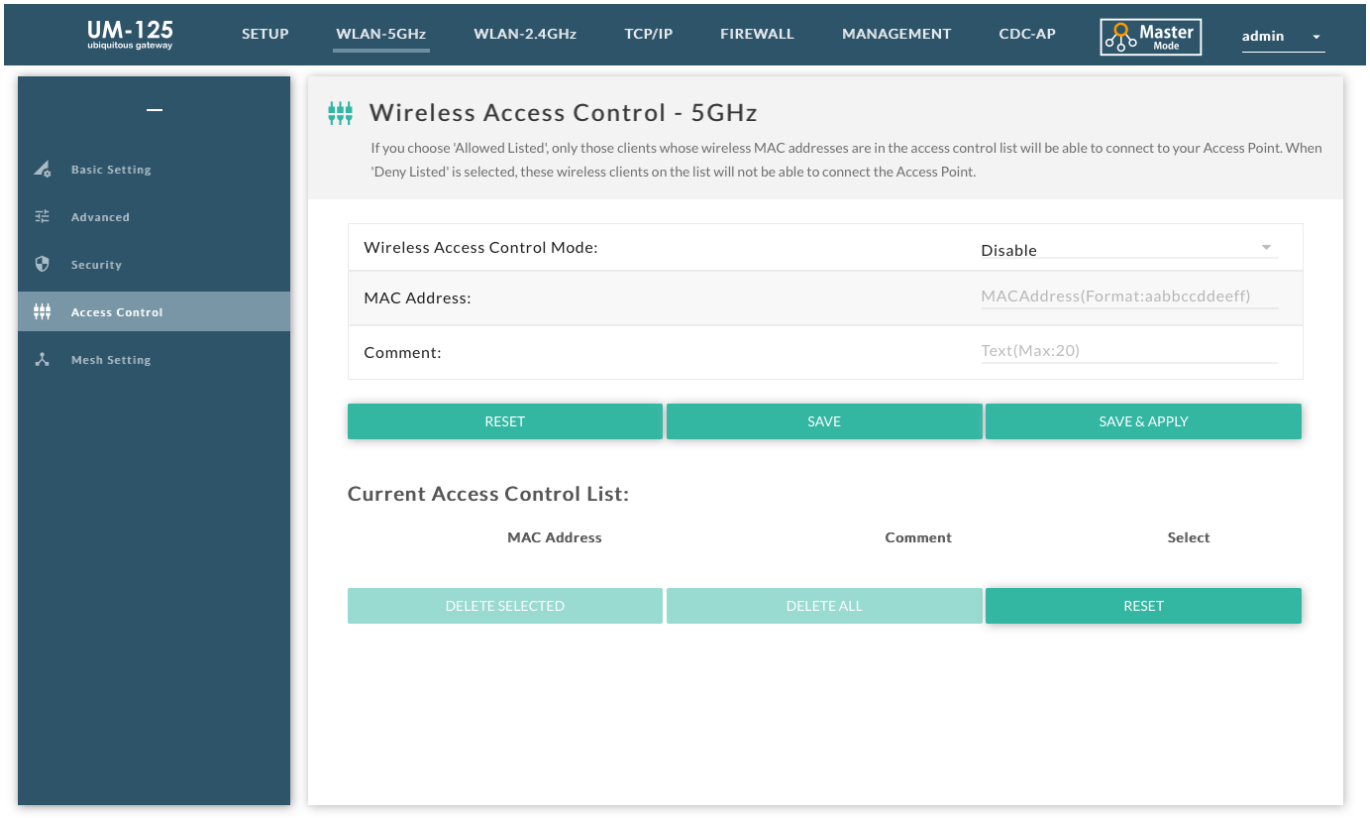
This page allows you setup the wireless security. Turn on WEP or WPA by using Encryption Keys could prevent any unauthorized access to your wireless network.



Item	Description
Encryption	Select the encryption type of the Wireless 5GHz.
Authentication Mode	Select the authentication mode of the Wireless 5GHz.
WPA2 Cipher Suite	Select the WPA2 cipher suite of the Wireless 5GHz.
Management Frame Protection	Select the management frame protection of the Wireless 5GHz.
SHA256	Select the SHA256 disable or enable of the Wireless 5GHz.
Pre-Shared Key Format	Select the Pre-Shared key format of the Wireless 5GHz.
Pre-Shared Key	Set the Pre-Shared key of the Wireless 5GHz.
RESET	Discard the current setting contents.
SAVE&APPLY	Save the settings and reflect the settings.
SAVE	Save the settings only. At the next startup or when other settings are reflected, The saved settings will be reflected.

3.4. Wireless 5GHz Settings – Access Control Setting

This page allows you setup the wireless security. Turn on WEP or WPA by using Encryption Keys could prevent any unauthorized access to your wireless network.If you choose 'Allowed Listed', only those clients whose wireless MAC addresses are in the access control list will be able to connect to your Access Point. When 'Deny Listed' is selected, these wireless clients on the list will not be able to connect the Access Point.

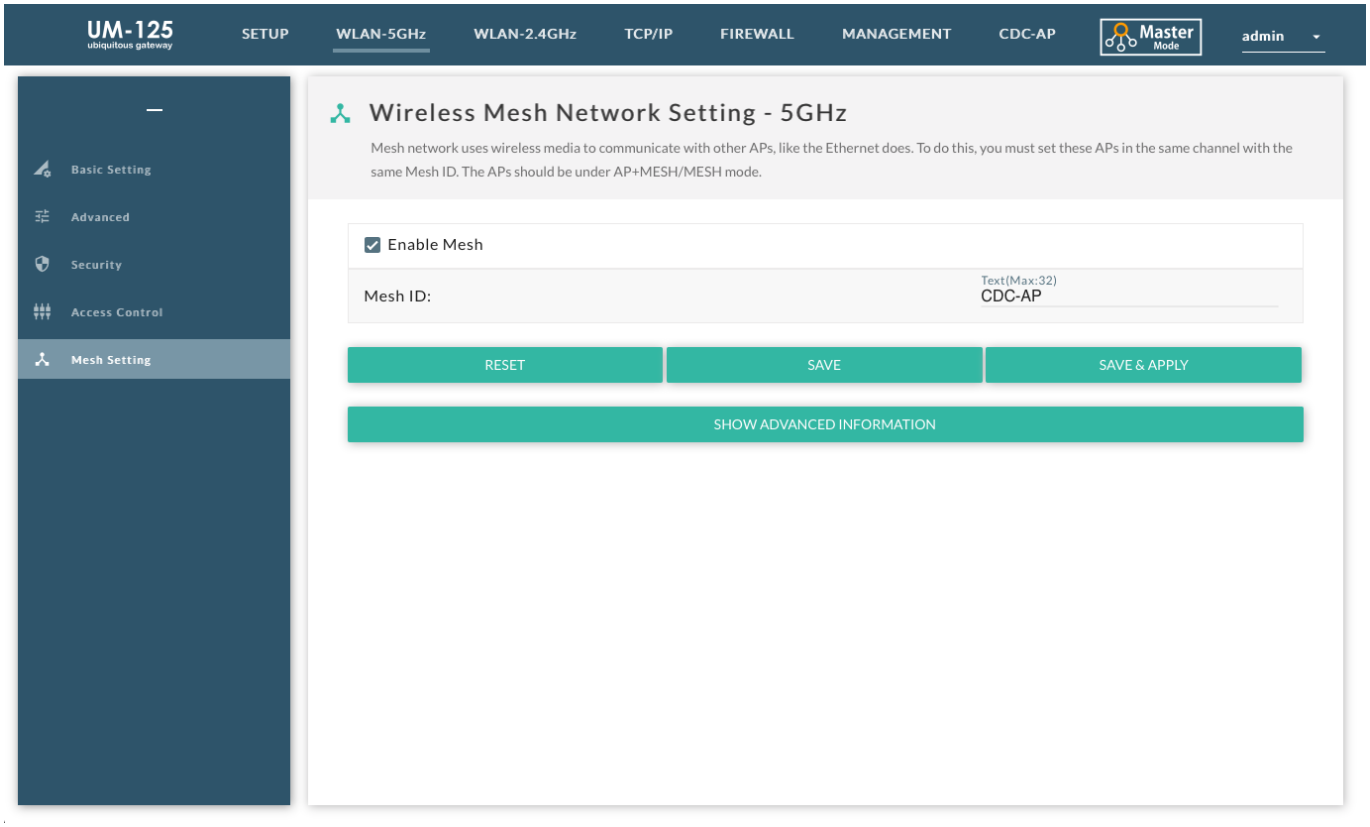


Item	Description
Wireless Access Control Mode	Select the wireless access control mode of the Wireless 5GHz. Disable / Allow Listed / Deny Listed
Mac Address	Set the mac addressof the target device of the Wireless 5GHz.
Comment	You can set comments at the same time.
RESET	Discard the current setting contents.
SAVE&APPLY	Save the settings and reflect the settings.
SAVE	Save the settings only. At the next startup or when other settings are reflected, The saved settings will be reflected.
Current Access Control	The currently access control list is displayed.

List	
DELETE SELECTED	Deletes the selected item.
DELETE ALL	Deletes the all item.
RESET	Discard the current setting contents.

3.5. Wireless 5GHz Settings – Mesh Setting

Mesh network uses wireless media to communicate with other APs, like the Ethernet does. To do this, you must set these APs in the same channel with the same Mesh ID. The APs should be under AP+MESH/MESH mode.

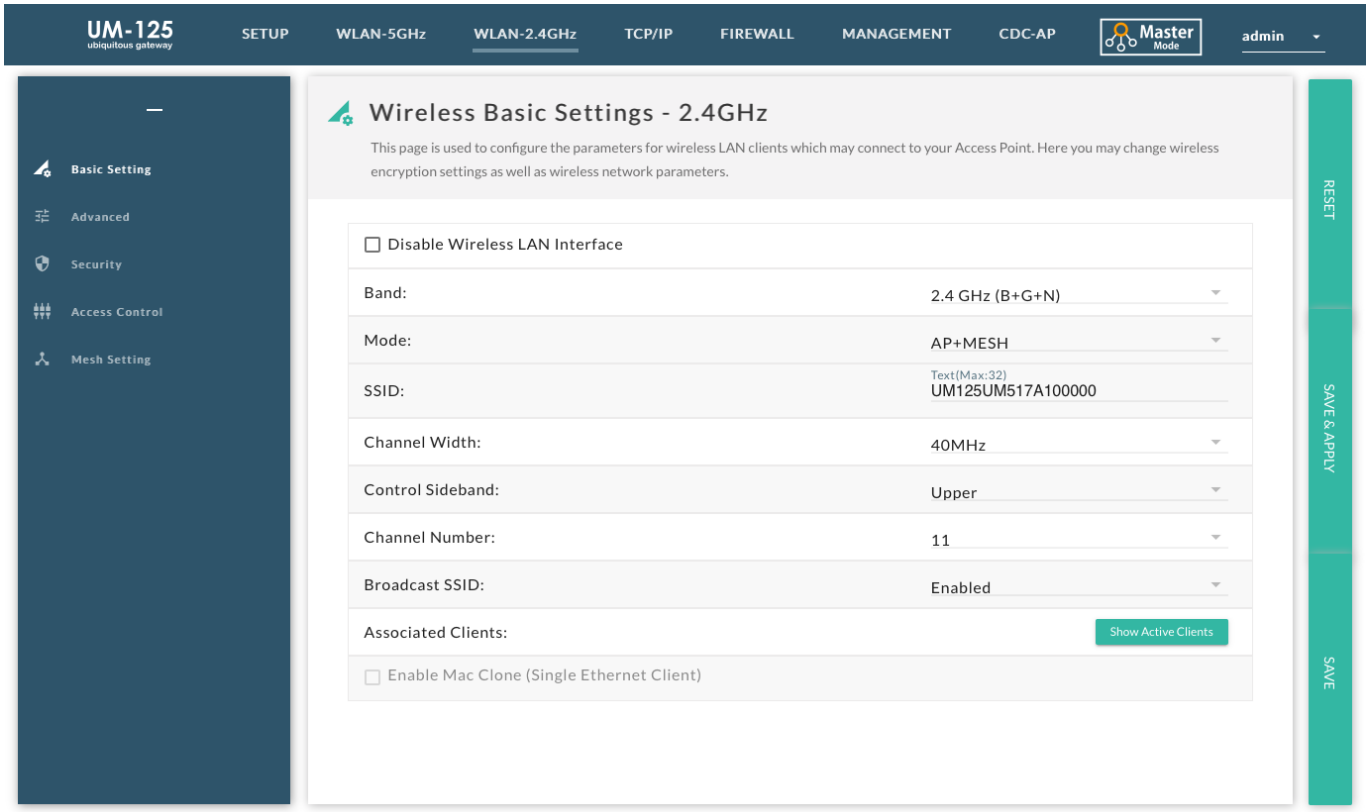


Item	Description
Enable Mesh	Set the enable or disable mesh network of the Wireless 5GHz.
Mesh ID	Set the mesh id of the Wireless 5GHz.
RESET	Discard the current setting contents.
SAVE&APPLY	Save the settings and reflect the settings.
SAVE	Save the settings only. At the next startup or when other settings are reflected, The saved settings will be reflected.
SHOW ADVANCED INFORMATION	Display the detailed information on the mesh network.

4. Wireless 2.4GHz Settings

4.1. Wireless 2.4GHz Settings – Basic Setting

This page is used to configure the parameters for wireless LAN clients which may connect to your Access Point. Here you may change wireless encryption settings as well as wireless network parameters.

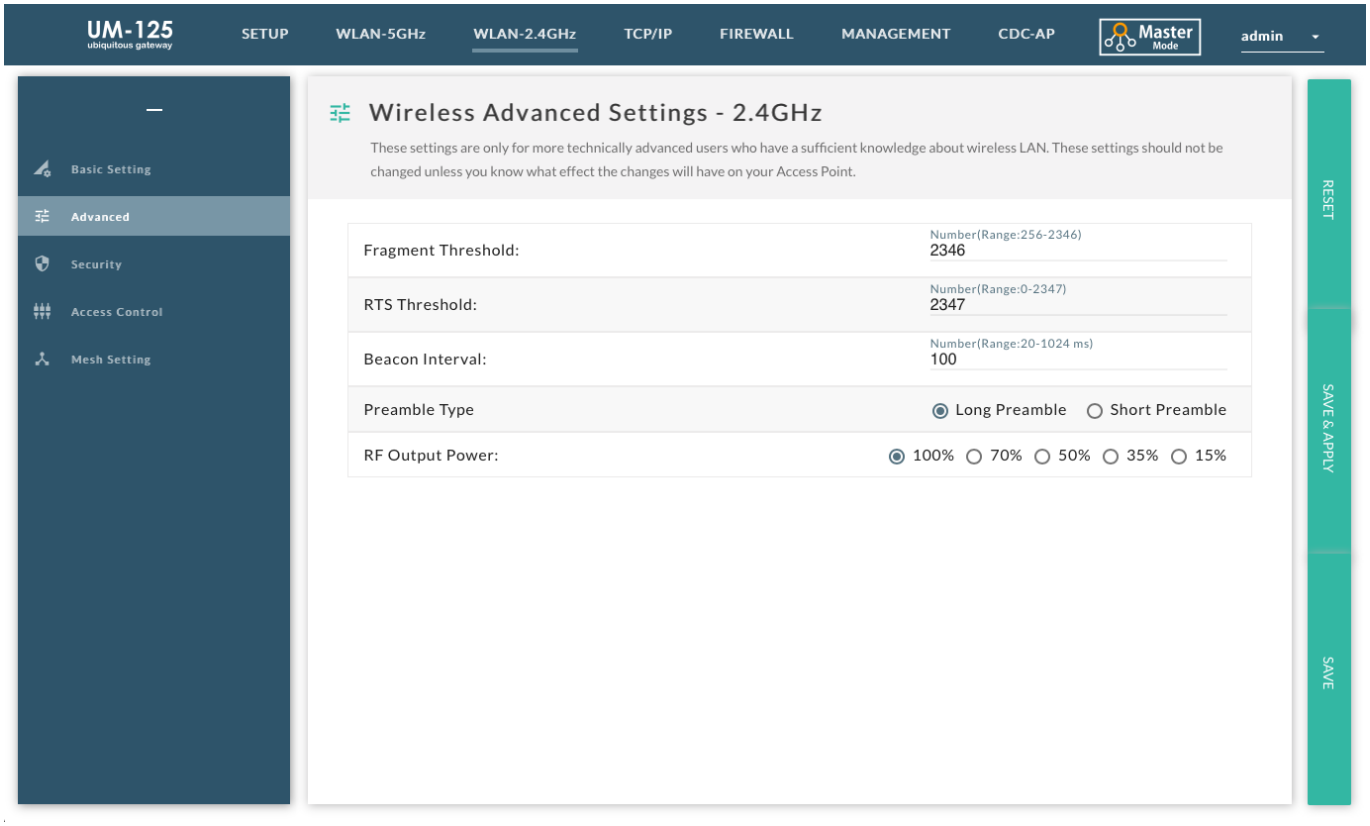


Item	Description
Disable Wireless LAN Interface	Set to enable or disable Wireless 2.4GHz.
Band	Select the band type of the Wireless 2.4GHz.
Mode	Select the mode of the Wireless 2.4GHz.
SSID	Set the SSID of the Wireless 2.4GHz.
Channel Width	Select the channel width of the Wireless 2.4GHz.
Control Sideband	Select the control sideband of the Wireless 2.4GHz.
Channel Number	Select the channel number of the Wireless 2.4GHz.
Broadcast SSID	Set whether to broadcast the SSID of the Wireless 2.4GHz.
Associated Clients	When you press the [ShowActiveClients] button, the currently connected list is displayed.
Enable Mac Clone	Set the MAC Clone enable/disable of the Wireless 2.4GHz.

RESET	Discard the current setting contents.
SAVE&APPLY	Save the settings and reflect the settings.
SAVE	Save the settings only. At the next startup or when other settings are reflected, The saved settings will be reflected.

4.2. Wireless 2.4GHz Settings – Advanced Setting

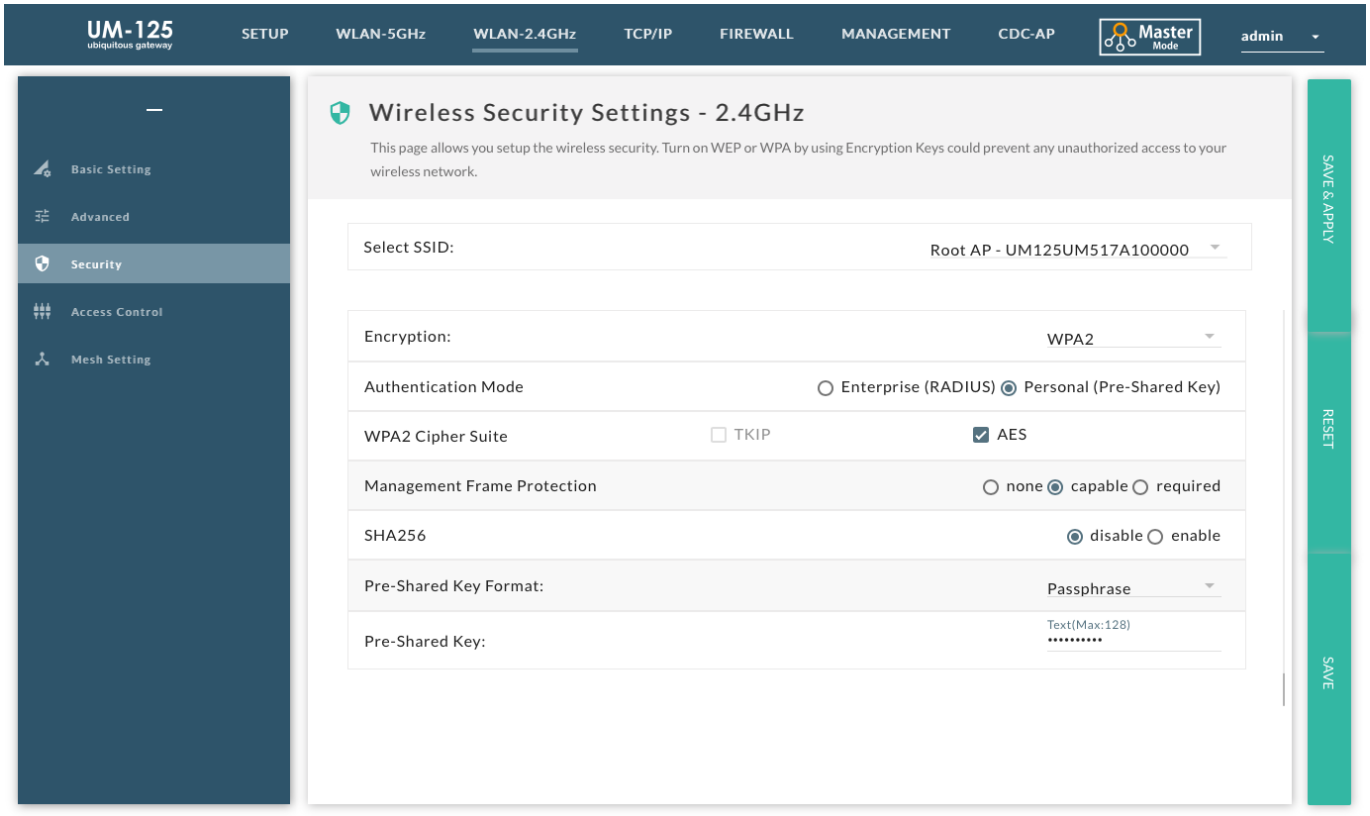
These settings are only for more technically advanced users who have a sufficient knowledge about wireless LAN. These settings should not be changed unless you know what effect the changes will have on your Access Point.



Item	Description
Fragment Threshold	Set the fragment threshold of the Wireless 2.4GHz.
RTS Threshold	Set the RTS threshold of the Wireless 2.4GHz.
Beacon Interval	Set the beacon interval of the Wireless 2.4GHz.
RF Output Power	Select the RF output power of the Wireless 2.4GHz.
RESET	Discard the current setting contents.
SAVE&APPLY	Save the settings and reflect the settings.
SAVE	Save the settings only. At the next startup or when other settings are reflected, The saved settings will be reflected.

4.3. Wireless 2.4GHz Settings – Security Setting

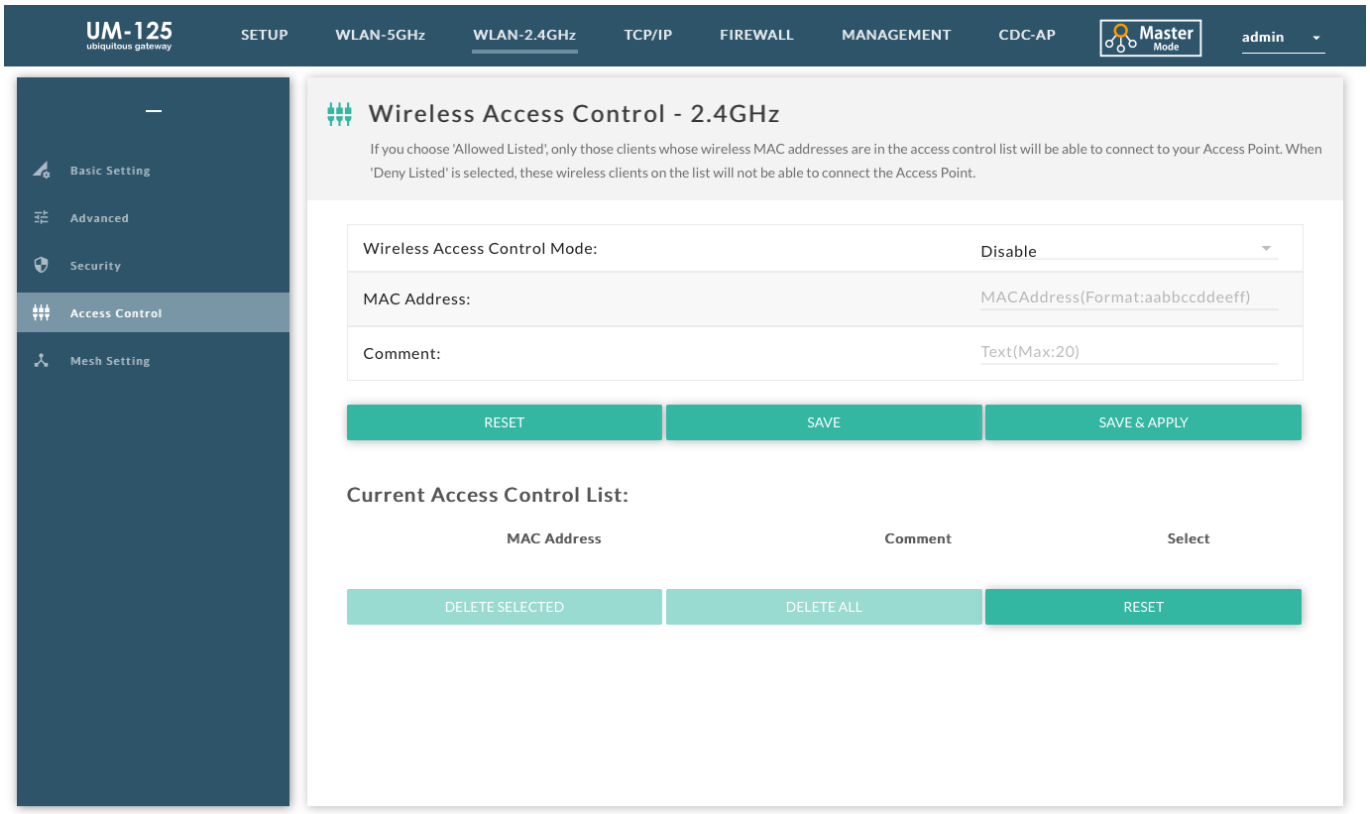
This page allows you setup the wireless security. Turn on WEP or WPA by using Encryption Keys could prevent any unauthorized access to your wireless network.



Item	Description
Encryption	Select the encryption type of the Wireless 2.4GHz.
Authentication Mode	Select the authentication mode of the Wireless 2.4GHz.
WPA2 Cipher Suite	Select the WPA2 cipher suite of the Wireless 2.4GHz.
Management Frame Protection	Select the management frame protection of the Wireless 2.4GHz.
SHA256	Select the SHA256 disable or enable of the Wireless 2.4GHz.
Pre-Shared Key Format	Select the Pre-Shared key format of the Wireless 2.4GHz.
Pre-Shared Key	Set the Pre-Shared key of the Wireless 2.4GHz.
RESET	Discard the current setting contents.
SAVE&APPLY	Save the settings and reflect the settings.
SAVE	Save the settings only. At the next startup or when other settings are reflected, The saved settings will be reflected.

4.4. Wireless 2.4GHz Settings – Access Control Setting

This page allows you setup the wireless security. Turn on WEP or WPA by using Encryption Keys could prevent any unauthorized access to your wireless network.If you choose 'Allowed Listed', only those clients whose wireless MAC addresses are in the access control list will be able to connect to your Access Point. When 'Deny Listed' is selected, these wireless clients on the list will not be able to connect the Access Point.

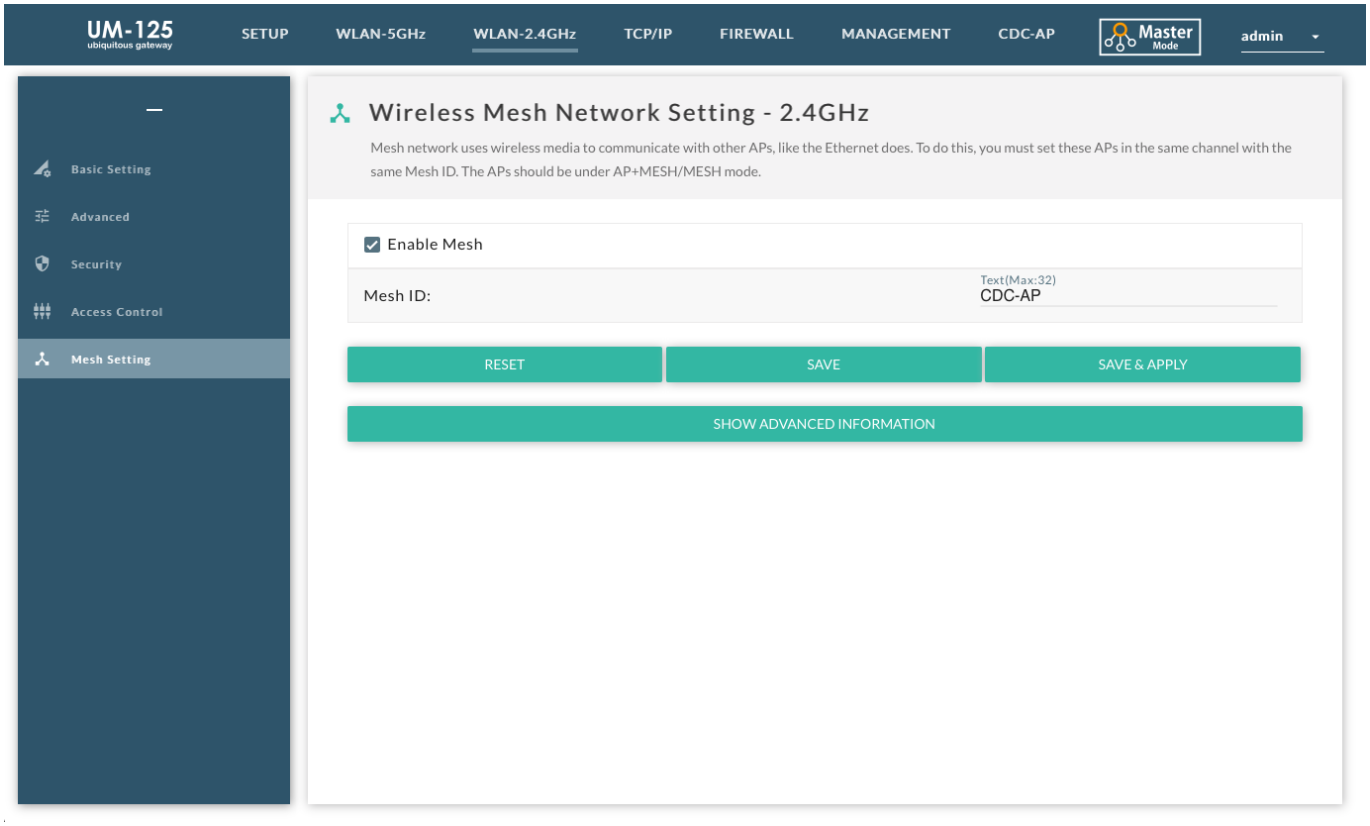


Item	Description
Wireless Access Control Mode	Select the wireless access control mode of the Wireless 2.4GHz. Disable / Allow Listed / Deny Listed
Mac Address	Set the mac address of the target device of the Wireless 2.4GHz.
Comment	You can set comments at the same time.
RESET	Discard the current setting contents.
SAVE&APPLY	Save the settings and reflect the settings.
SAVE	Save the settings only. At the next startup or when other settings are reflected, The saved settings will be reflected.
Current Access Control	The currently access control list is displayed.

List	
DELETE SELECTED	Deletes the selected item.
DELETE ALL	Deletes the all item.
RESET	Discard the current setting contents.

4.5. Wireless 2.4GHz Settings – Mesh Setting

Mesh network uses wireless media to communicate with other APs, like the Ethernet does. To do this, you must set these APs in the same channel with the same Mesh ID. The APs should be under AP+MESH/MESH mode.

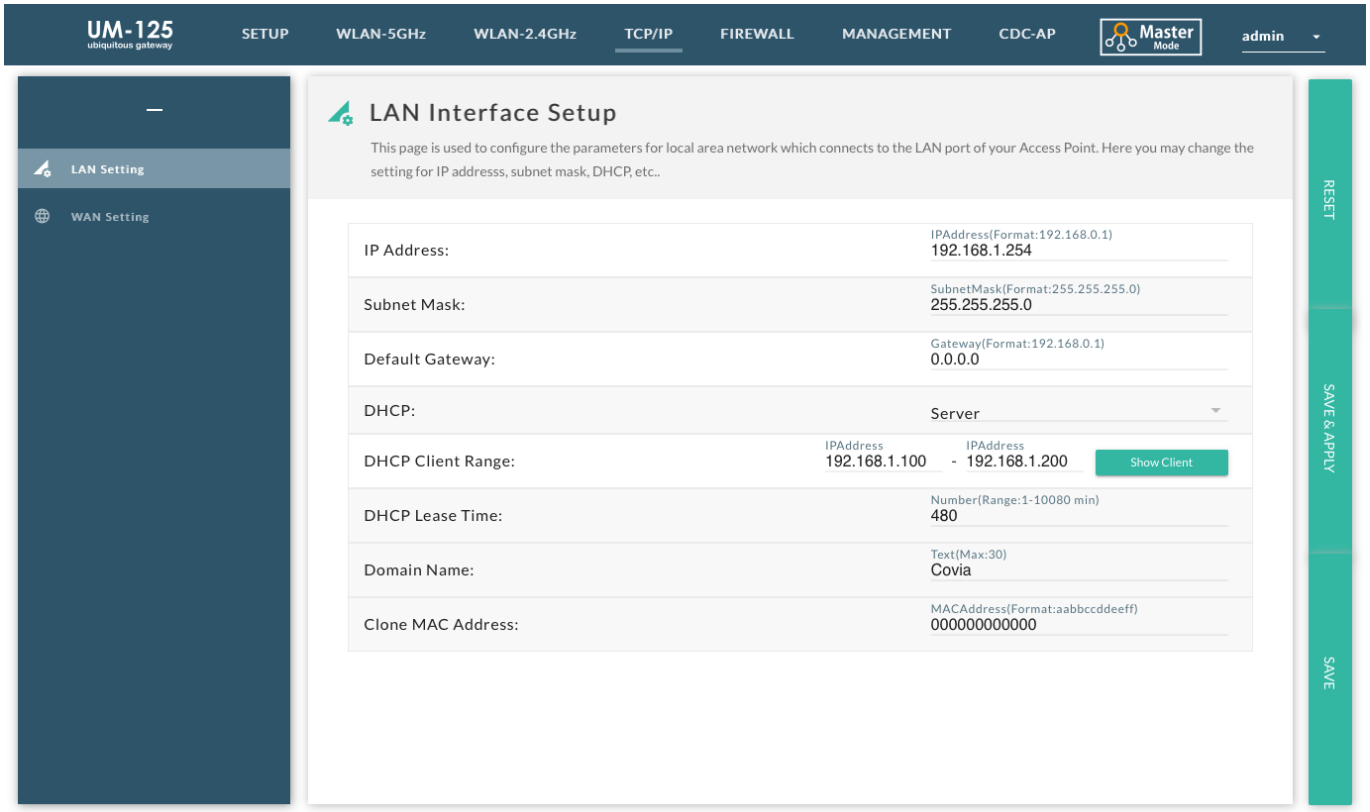


Item	Description
Enable Mesh	Set the enable or disable mesh network of the Wireless 2.4GHz.
Mesh ID	Set the mesh id of the Wireless 2.4GHz.
RESET	Discard the current setting contents.
SAVE&APPLY	Save the settings and reflect the settings.
SAVE	Save the settings only. At the next startup or when other settings are reflected, The saved settings will be reflected.
SHOW ADVANCED INFORMATION	Display the detailed information on the mesh network.

5. TCP/IP Settings

5.1. TCP/IP Settings – LAN Setting

This page is used to configure the parameters for local area network which connects to the LAN port of your Access Point. Here you may change the setting for IP address, subnet mask, DHCP, etc..

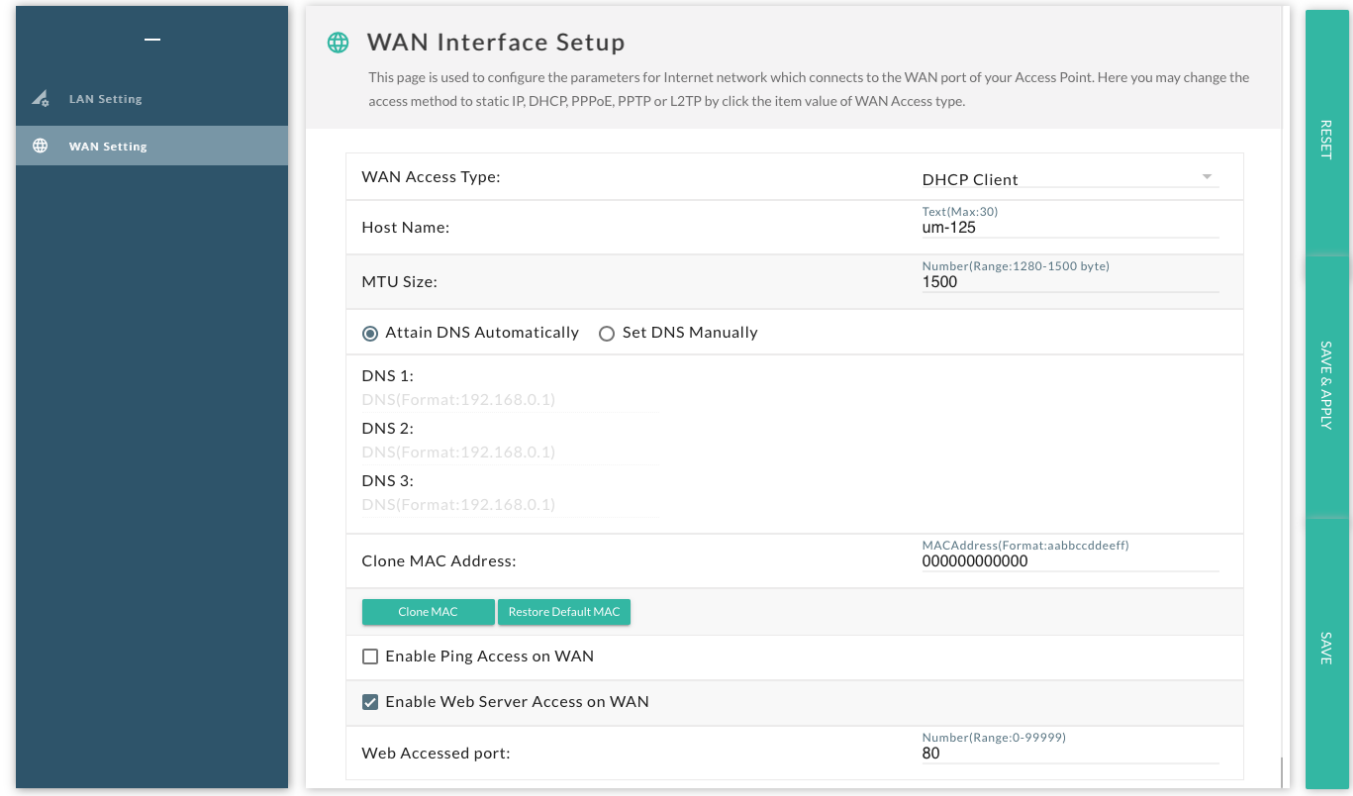


Item	Description
IP Address	Set the IP address of the LAN.
Subnet Mask	Set the subnet mask of the LAN.
Default Gateway	Set the default gateway of the LAN.
DHCP	Select the DHCP mode of the LAN. Disable / Client / Server
DHCP Client Range	Set the DHCP client range of the LAN. When you press the [ShowClients] button, the currently leased list is displayed.
DHCP Lease Time	Set the DHCP lease time of the LAN.
Domain Name	Set the domain name of the LAN.
Clone Mac Address	Set the clone mac address of the LAN.
RESET	Discard the current setting contents.

SAVE&APPLY	Save the settings and reflect the settings.
SAVE	Save the settings only. At the next startup or when other settings are reflected, The saved settings will be reflected.

5.2. TCP/IP Settings – WAN Setting

This page is used to configure the parameters for Internet network which connects to the WAN port of your Access Point. Here you may change the access method to static IP, DHCP by click the item value of WAN Access type.



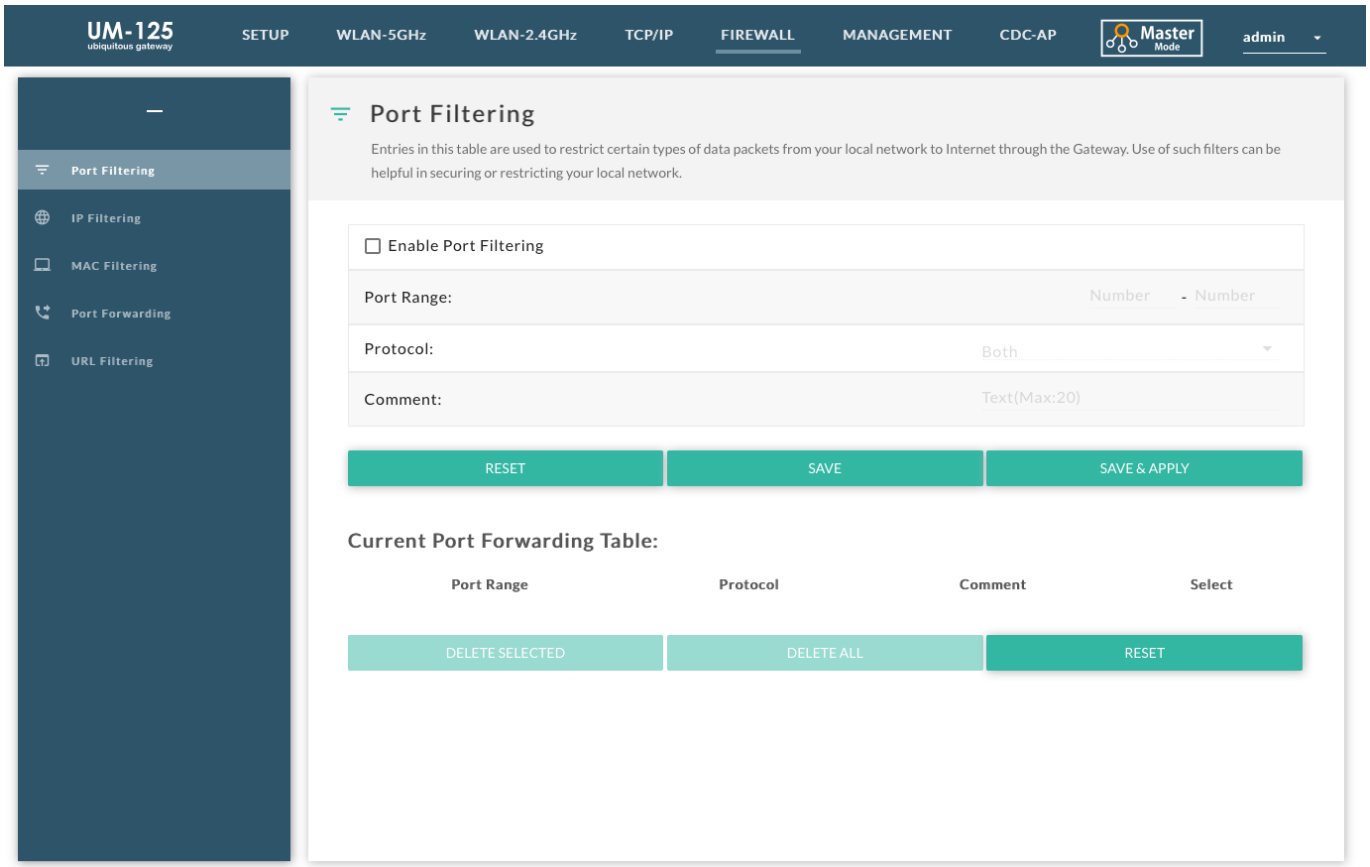
Item	Description
WAN Access Type	Set the access type of the WAN. DHCP / Static IP
Host Name	Set the host name of the WAN.
MTU Size	Set the MTU size of the WAN.
DNS Type	Select the DNS type of the WAN.
DNS1 … DNS3	Set the DNS address of the WAN.
Clone Mac Address	Set the clone mac address of the WAN.
Enable Ping Access on WAN	Select the enable ping access on WAN.
Enable Web Server Access on WAN	Select the enable web server access on WAN.
Web Accessed port	Set the web access port of the WAN.
RESET	Discard the current setting contents.

SAVE&APPLY	Save the settings and reflect the settings.
SAVE	Save the settings only. At the next startup or when other settings are reflected, The saved settings will be reflected.

6. Firewall Settings

6.1. Firewall Settings – Port Filtering

Entries in this table are used to restrict certain types of data packets from your local network to Internet through the Gateway. Use of such filters can be helpful in securing or restricting your local network.

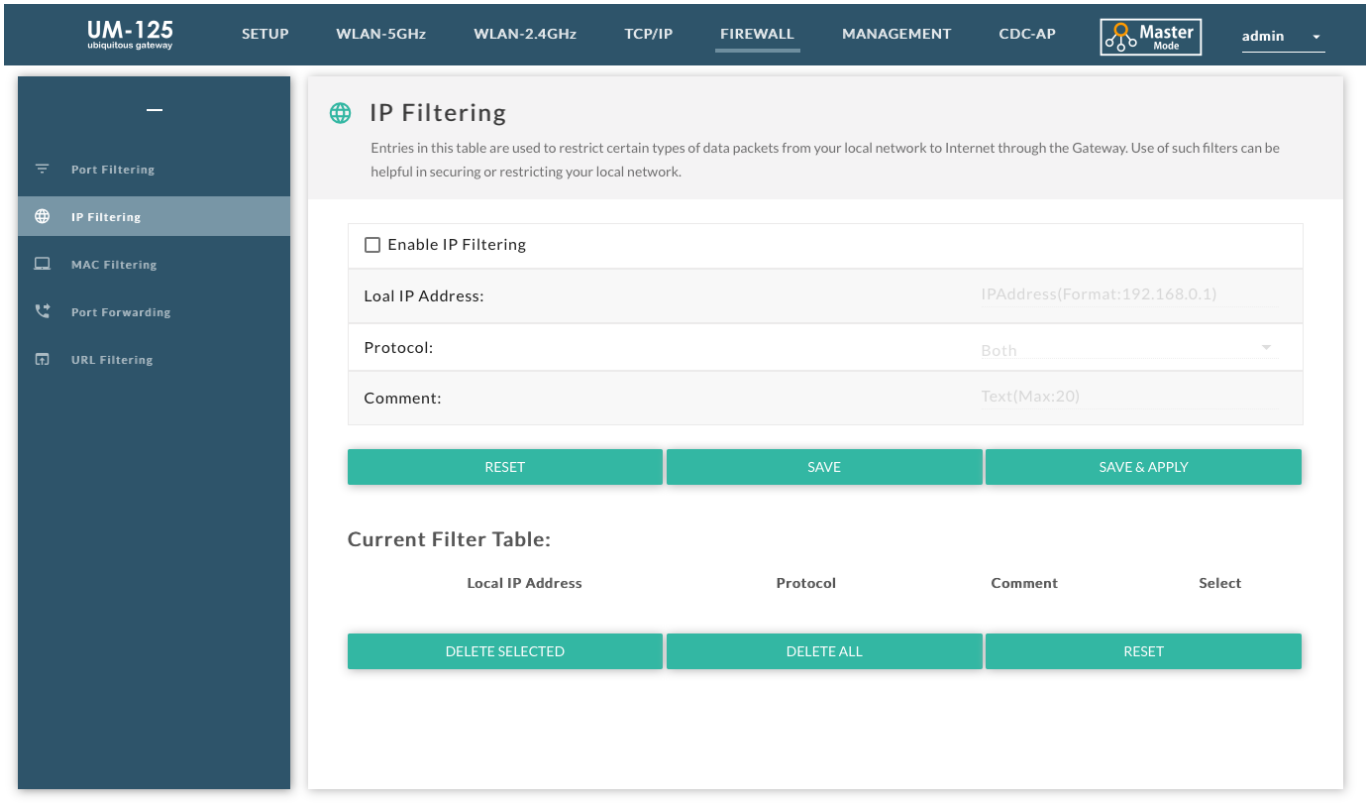


Item	Description
Enable Port Filtering	Select the enable or disable port filtering.
Port range	Set the port range.
Protocol	Select the protocol. BOTH / TCP / UDP
Comment	You can set comments at the same time.
RESET	Discard the current setting contents.
SAVE&APPLY	Save the settings and reflect the settings.
SAVE	Save the settings only. At the next startup or when other settings are reflected, The saved settings will be reflected.
Current Port Forwarding	The currently port forwarding table is displayed.

Table	
DELETE SELECTED	Deletes the selected item.
DELETE ALL	Deletes the all item.
RESET	Discard the current setting contents.

6.2. Firewall Settings – IP Filtering

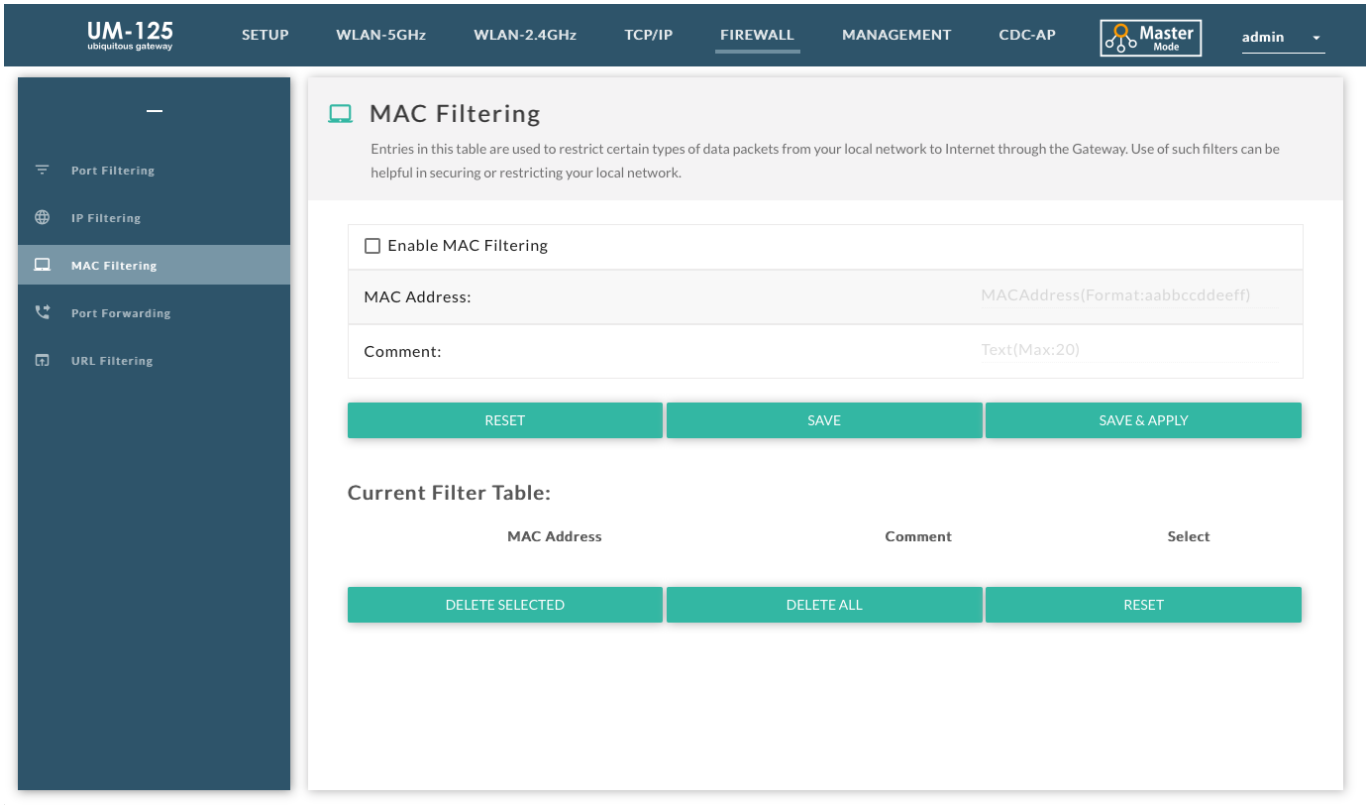
Entries in this table are used to restrict certain types of data packets from your local network to Internet through the Gateway. Use of such filters can be helpful in securing or restricting your local network.



Item	Description
Enable IP Filtering	Select the enable or disable IP filtering.
Local IP Address	Set the local IP address.
Protocol	Select the protocol. BOTH / TCP / UDP
Comment	You can set comments at the same time.
RESET	Discard the current setting contents.
SAVE&APPLY	Save the settings and reflect the settings.
SAVE	Save the settings only. At the next startup or when other settings are reflected, The saved settings will be reflected.
Current IP Filter Table	The currently IP filtering table is displayed.
DELETE SELECTED	Deletes the selected item.
DELETE ALL	Deletes the all item.
RESET	Discard the current setting contents.

6.3. Firewall Settings – MAC Filtering

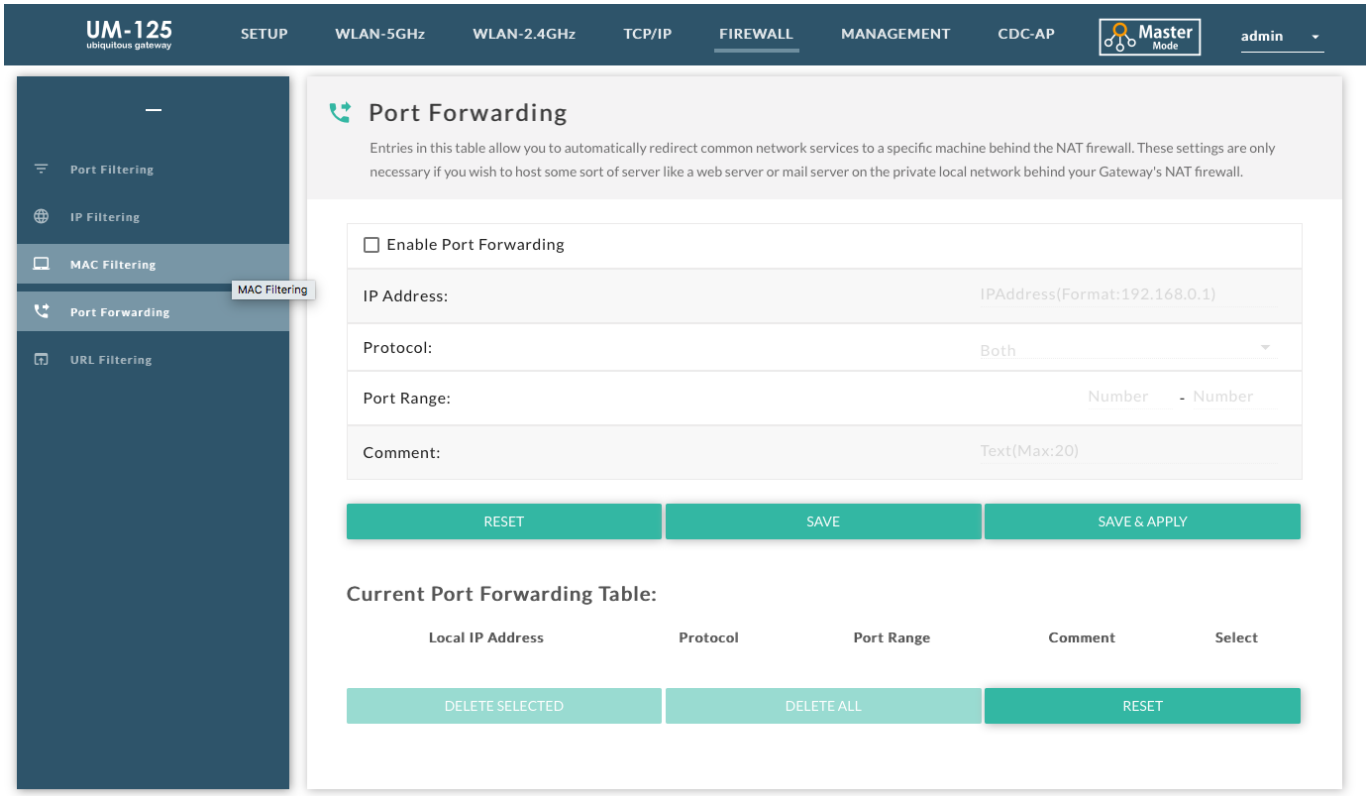
Entries in this table are used to restrict certain types of data packets from your local network to Internet through the Gateway. Use of such filters can be helpful in securing or restricting your local network.



Item	Description
Enable MAC Filtering	Select the enable or disable MAC filtering.
MAC Address	Set the MAC address.
Comment	You can set comments at the same time.
RESET	Discard the current setting contents.
SAVE&APPLY	Save the settings and reflect the settings.
SAVE	Save the settings only. At the next startup or when other settings are reflected, The saved settings will be reflected.
Current MAC Filter Table	The currently MAC filtering table is displayed.
DELETE SELECTED	Deletes the selected item.
DELETE ALL	Deletes the all item.
RESET	Discard the current setting contents.

6.4. Firewall Settings – Port Forwarding

Entries in this table allow you to automatically redirect common network services to a specific machine behind the NAT firewall. These settings are only necessary if you wish to host some sort of server like a web server or mail server on the private local network behind your Gateway's NAT firewall.

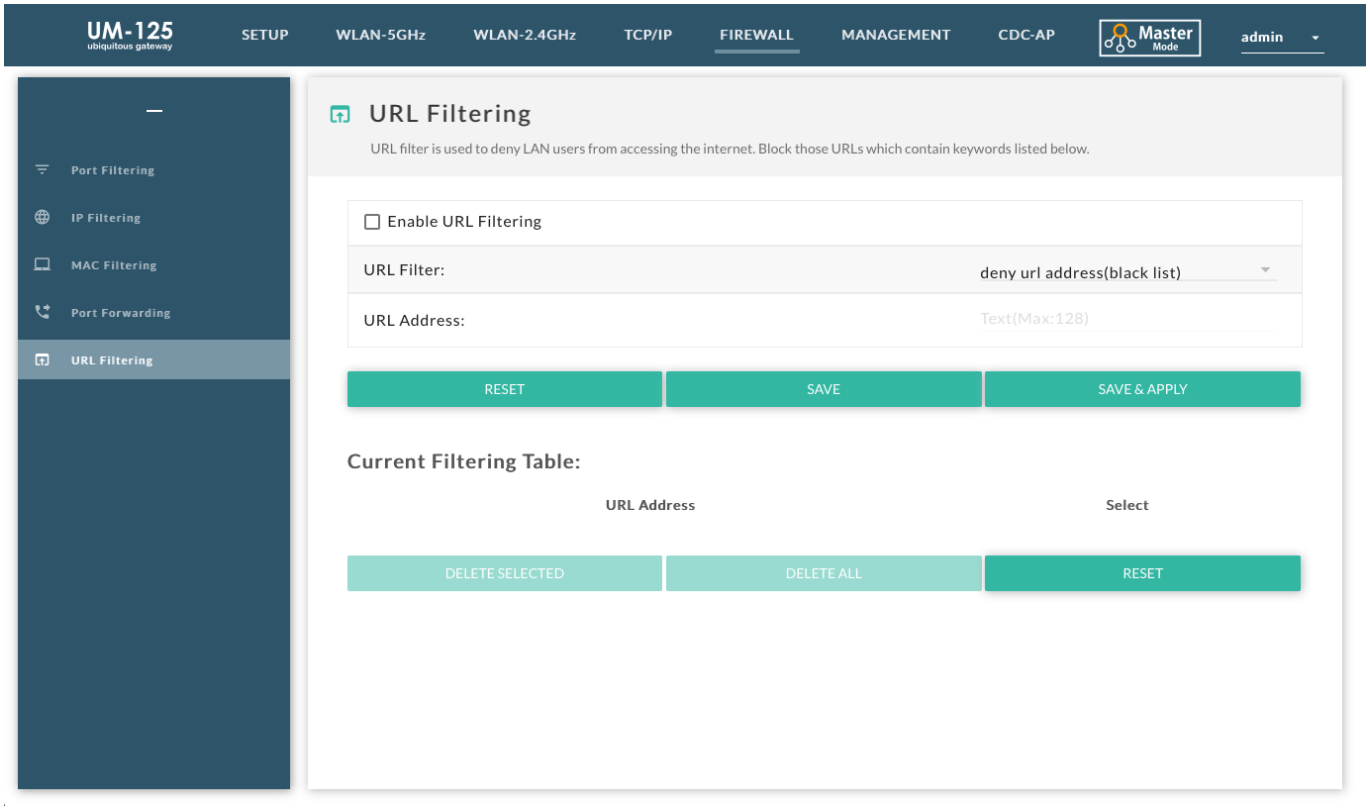


Item	Description
Enable Port Forwarding	Select the enable or disable port forwarding.
IP Address	Set the IP address.
Protocol	Select the protocol. BOTH / TCP / UDP
Port range	Set the port range.
Comment	You can set comments at the same time.
RESET	Discard the current setting contents.
SAVE&APPLY	Save the settings and reflect the settings.
SAVE	Save the settings only. At the next startup or when other settings are reflected, The saved settings will be reflected.
Current Port Forwarding Table	The currently port forwarding table is displayed.

DELETE SELECTED	Deletes the selected item.
DELETE ALL	Deletes the all item.
RESET	Discard the current setting contents.

6.5. Firewall Settings – URL Filtering

URL filter is used to deny LAN users from accessing the internet. Block those URLs which contain keywords listed below.

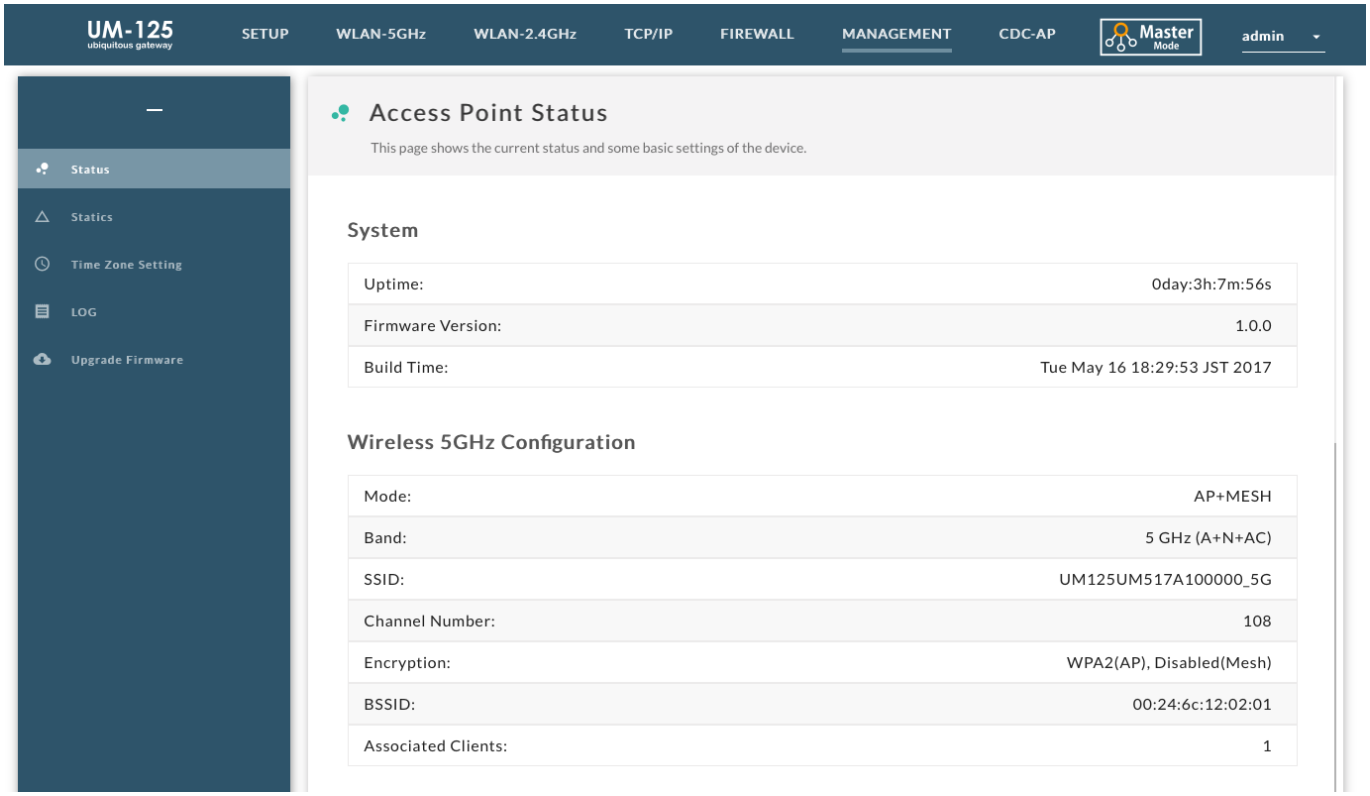


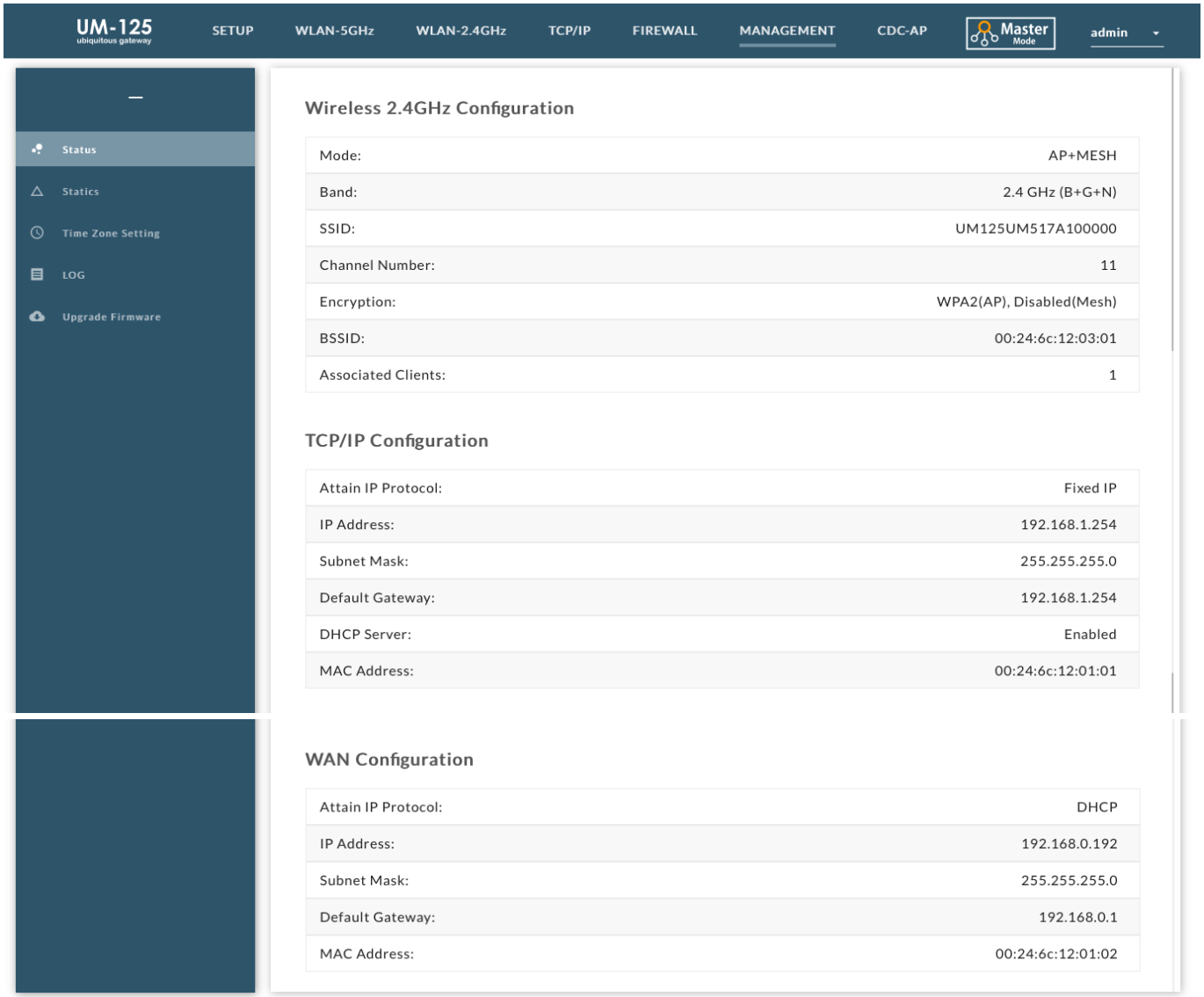
Item	Description
Enable URL Filtering	Select the enable or disable URL filtering.
URL Filter	Select the URL filtering mode. deny URL address(black list) / allow URL address(white list)
URL Address	Set the URL address of the target.
RESET	Discard the current setting contents.
SAVE&APPLY	Save the settings and reflect the settings.
SAVE	Save the settings only. At the next startup or when other settings are reflected, The saved settings will be reflected.
Current URL Filtering Table	The currently URL filtering table is displayed.
DELETE SELECTED	Deletes the selected item.
DELETE ALL	Deletes the all item.
RESET	Discard the current setting contents.

7. Management

7.1. Management – Status

This page shows the currentlystatus and some basic settings of the device.



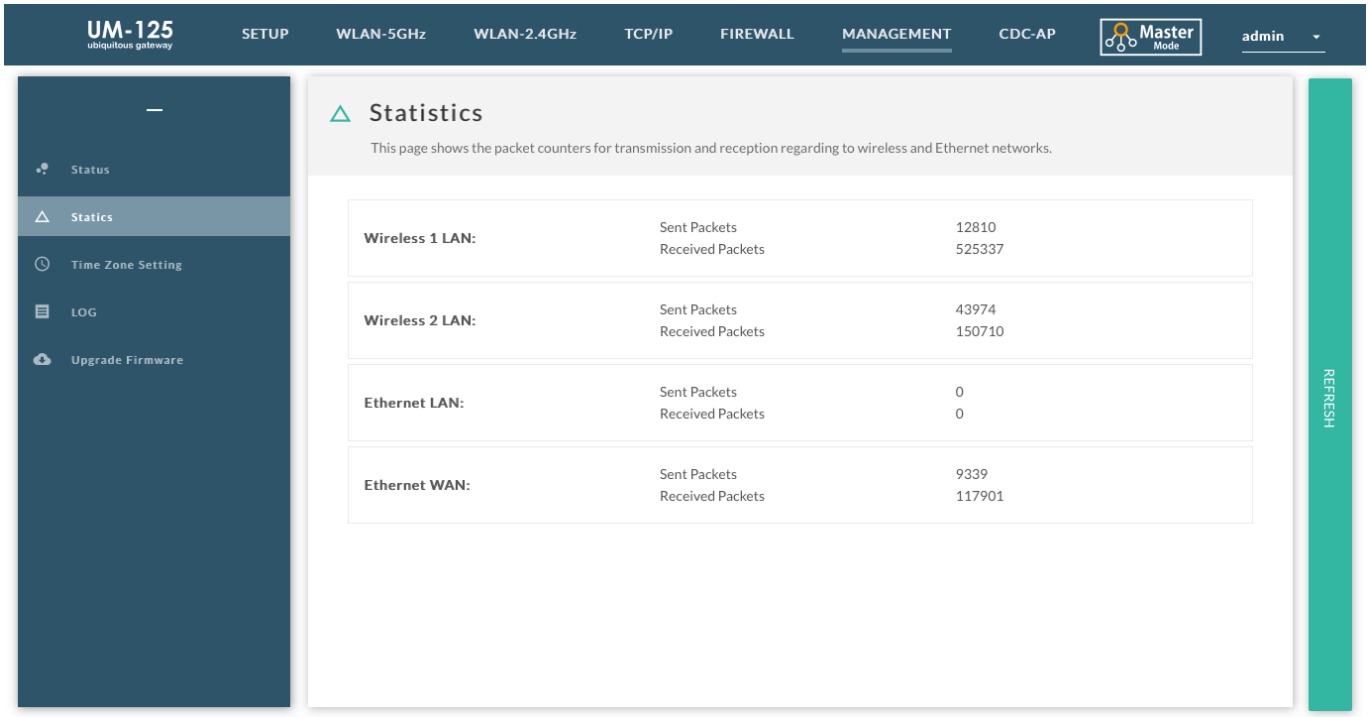


Category	Item	Description
System	Uptime	Displays the current operating time.
	Firmware Version	Displays the current firmware version.
	Build Time	Displays the current firmware build date time..
Wireless 5GHz Configuration	Mode	Displays the current mode of the wireless 5GHz.
	Band	Displays the current band of the wireless 5GHz.
	SSID	Displays the current SSID of the wireless 5GHz.
	Channel Number	Displays the current channel number of the wireless 5GHz.
	Encryption	Displays the current encryption of the wireless 5GHz.
	BSSID	Displays the current BSSID of the wireless 5GHz.
	Associated Clients	Displays the associated clients of the wireless 5GHz.
Wireless 2.4GHz	Mode	Displays the current mode of the wireless 2.4GHz.
	Band	Displays the current band of the wireless 2.4GHz.

Configuration	SSID	Displays the current SSID of the wireless 2.4GHz.
	Channel Number	Displays the current channel number of the wireless 2.4GHz.
	Encryption	Displays the current encryption of the wireless 2.4GHz.
	BSSID	Displays the current BSSID of the wireless 2.4GHz.
	Associated Clients	Displays the current associated clients of the wireless 2.4GHz.
TCP/IP Configuration	Attain IP Protocol	Displays the current attain IP protocol of the LAN.
	IP Address	Displays the current attain IP address of the LAN.
	Subnet Mask	Displays the current subnet mask of the LAN.
	Default Gateway	Displays the current default gateway of the LAN.
	DHCP Server	Displays the current DHCP server of the LAN.
	MAC Address	Displays the current MAC address of the LAN.
WAN Configuration	Attain IP Protocol	Displays the current attain IP protocol of the WAN.
	IP Address	Displays the current attain IP address of the WAN.
	Subnet Mask	Displays the current subnet mask of the WAN.
	Default Gateway	Displays the current default gateway of the WAN.
	MAC Address	Displays the current MAC address of the WAN.

7.2. Management – Statics

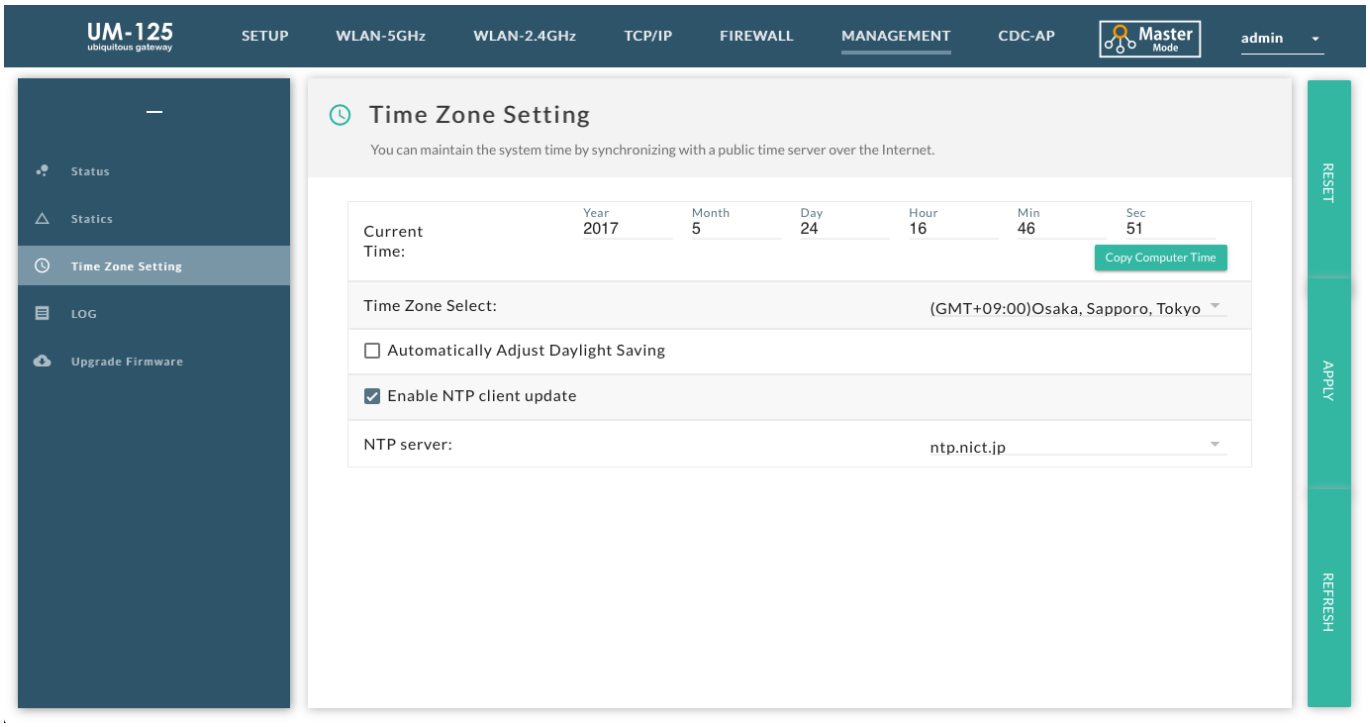
This page shows the packet counters for transmission and reception regarding to wireless and Ethernet networks.



Item	Description
Wireless 1 LAN	Displays the standard of current traffic volume in 5GHz.
Wireless 2 LAN	Displays the standard of current traffic volume in 2.4GHz.
Ethernet LAN	Displays the standard of current traffic volume in LAN.
Ethernet WAN	Displays the standard of current traffic volume in WAN.

7.3. Management – Time Zone Setting

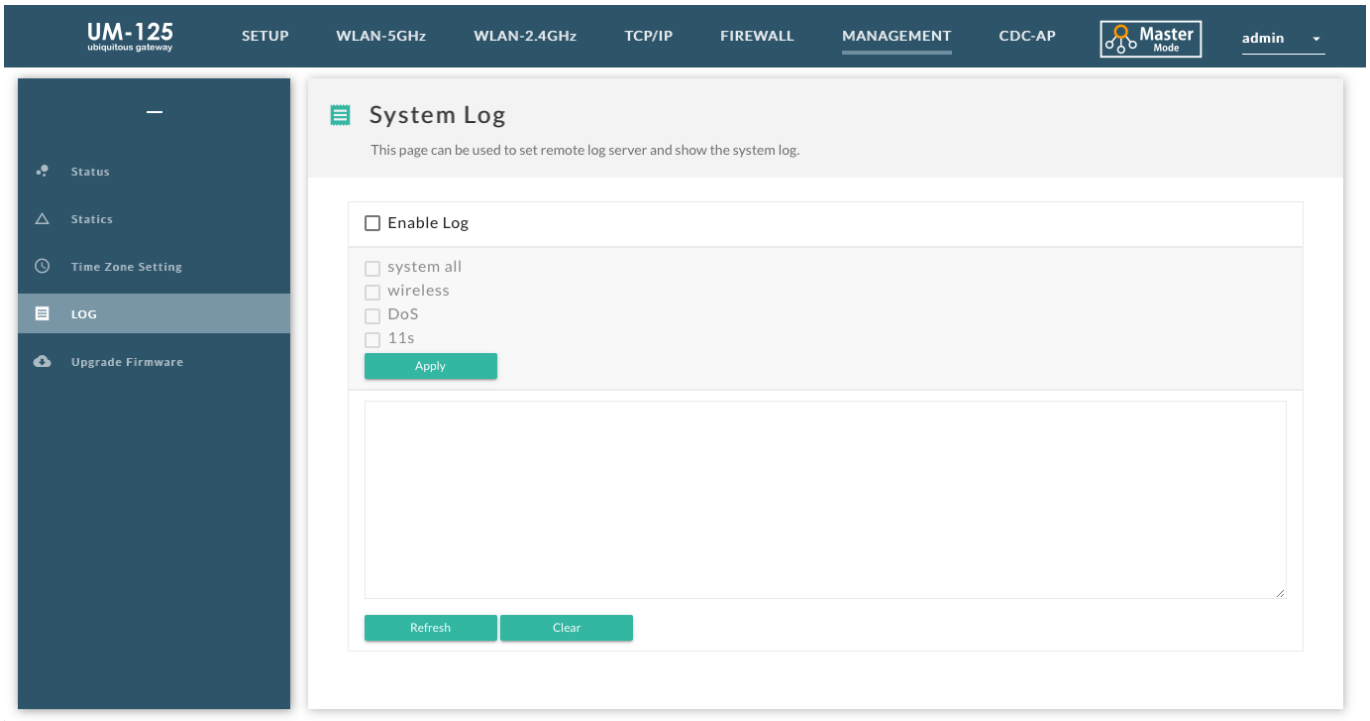
You can maintain the system time by synchronizing with a public time server over the Internet.



Item	Description
Current Time	Displays the currently set time.
Time Zone Select	Select time zone.
Automatically Adjust Daylight Saving	Enable automatic adjustment of daylight saving time.
Enable NTP client update	Enable automatic time setting by NTP.
NTP server	Select NTP server.
RESET	Discard the current setting contents.
APPLY	Save the settings and reflect the settings.
REFRESH	Reload the page.

7.4. Management – LOG

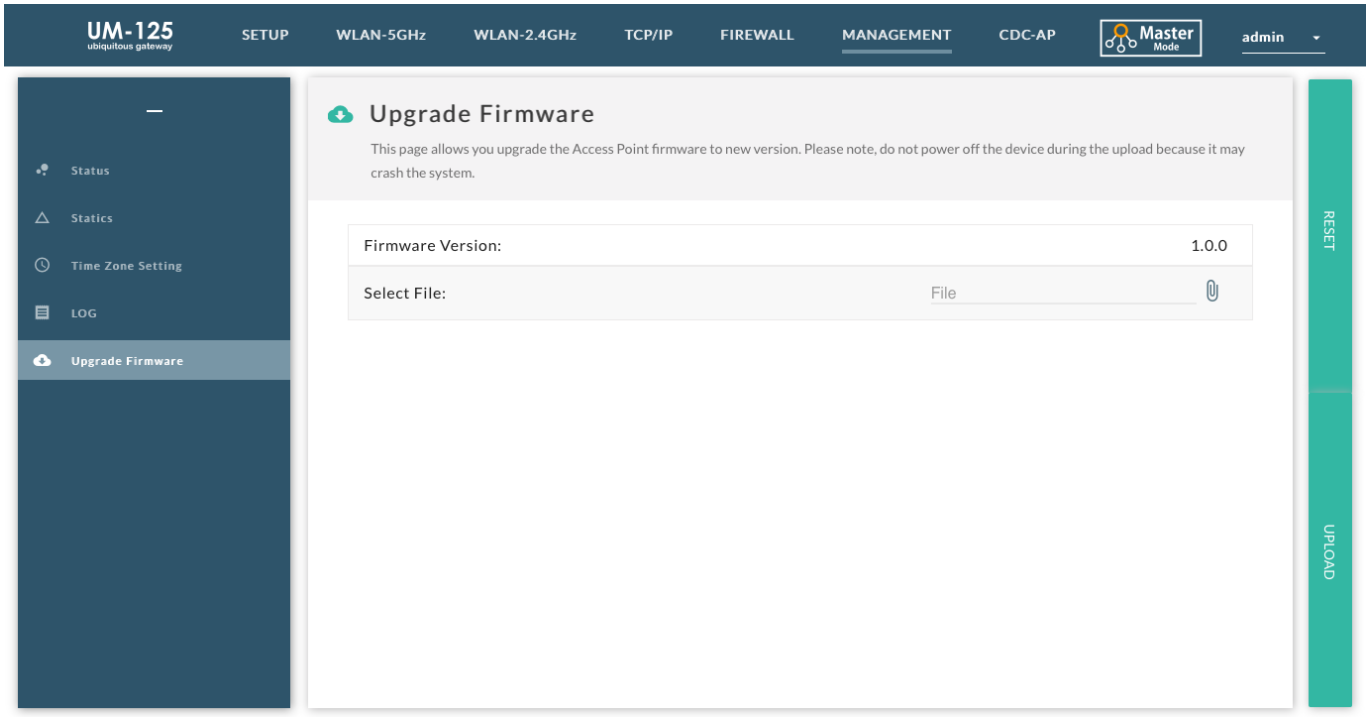
This page can be used to set remote log server and show the system log.



Item	Description
Enable Log	Set the enable or disable log.
system all	Enable the all logs.
wireless	Enable the wireless log.
Dos	Enable the Dos log.
11s	Enable the 11s log.
Apply	Save the settings and reflect the settings.
Log Display Area	Displays the current LOG.
Refresh	Reload the page.
Clear	Clear the log display area.

7.5. Management – Upgrade Firmware

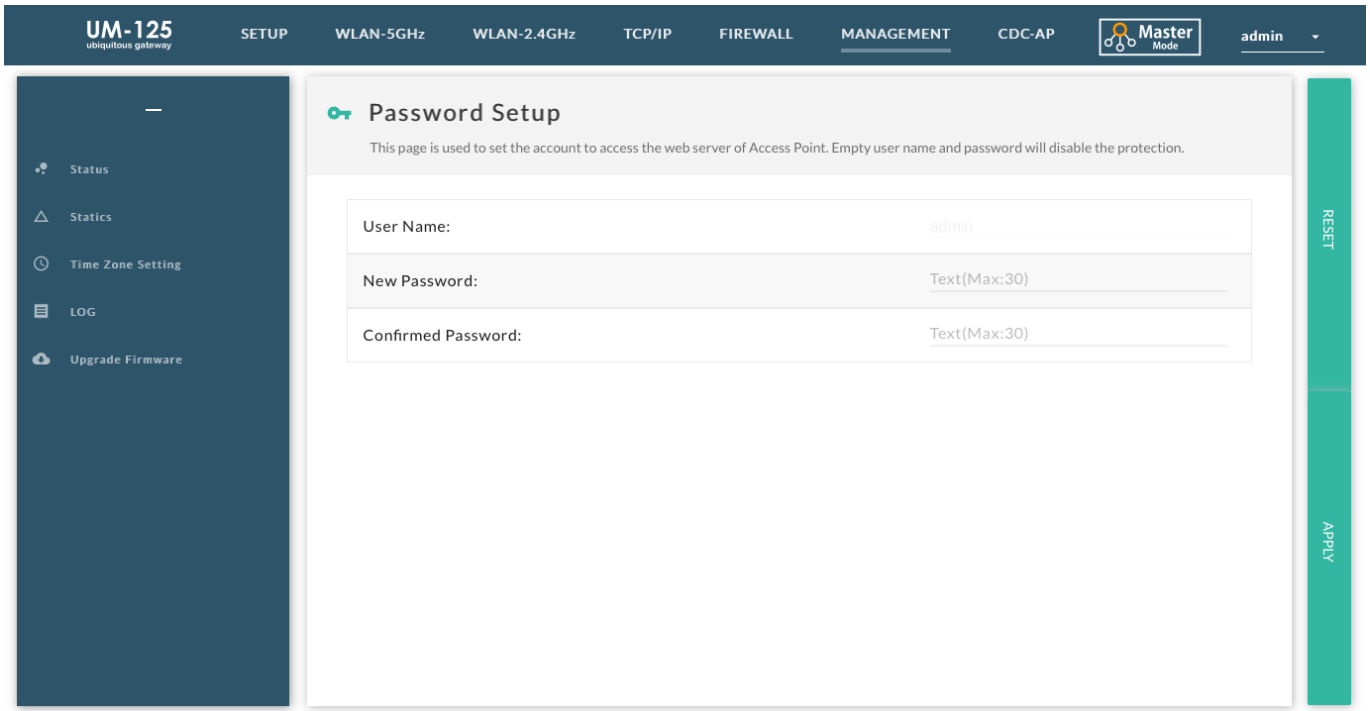
This page allows you upgrade the Access Point firmware to new version. Please note, do not power off the device during the upload because it may crash the system.



Item	Description
Firmware Version	Display the current firmware version.
Select File	Select the new firmware update file.
RESET	Discard the current setting contents.
UPLOAD	FirmwareUpdate will start.

7.6. Management – Change Password

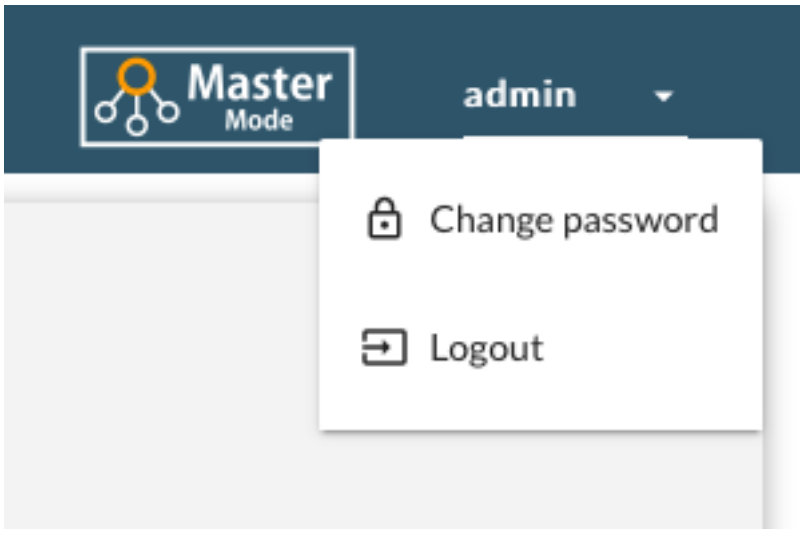
This page is used to set the account to access the web server of Access Point. Empty user name and password will disable the protection.



Item	Description
User Name	Display the current login user name. (It can't be edited)
New Password	Set the new password.
Confirmed Password	Set the new password for confirm.
RESET	Discard the current setting contents.
APPLY	Save the settings and reflect the settings.

8. Logout

Finish the session and log out.



Item	Description
Logout	Finish the session and log out. Transit to login screen.

FCC Caution.

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.

Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

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 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.

Indoor use only