HUMAX

Mobile App User Manual

HUMAX Wi-Fi System

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Chapter 1. Introduction to HUMAX Wi-Fi System Products

The Home Wi-Fi System is composed of 4 package products.

1.1 Wide Package

The Wide Package is a component of HUMAX Wi-Fi System composed of E3+E3+E3 (1 master and 2 nodes), with speed of up to 1200Mbps guaranteed.

It provides strong Wi-Fi even in home environments with large floor area (≥132 m²) or complex structures.

It is suitable for Wi-Fi shadow zone in a spacious floor and for people who want to use wider Wi-Fi coverage on a single line as well.

1.2 Smart Package

The Smart Package is a component of HUMAX Wi-Fi System composed of E10 (1 master) that guarantees speed of up to 2600Mbps and E3 (1 node) that guarantees speed of up to 1200Mbps.

This package is suitable for medium- and large-sized floors (with area of about 66 to 99 m²).

Suitable for people who want to use strong Wi-Fi, high-definition (HD) video (through IPTV), NAS, or various wired and wireless devices at the same time.

1.3 Economic Package

The Economic Package is a component of HUMAX Wi-Fi System composed of E3 (1 master) that guarantees speed of up to 1200Mbps and E2 (1 node) that guarantees speed of up to 750Mbps.

This package is suitable for small- and medium-sized floors (with area of about 33 to 66 m²).

Suitable for people who do not have good Wi-Fi connection using a single low-cost router and those who want to benefit from the guaranteed wider Wi-Fi coverage and higher speed versus cost-effectiveness.

1.4 Powerful Package

The Powerful Package is a component of the HUMAX Wi-Fi System composed of E10+E10 (1 master and 1 node) that guarantees speed of up to 2600Mbps.

This package is a component of the Home Wi-Fi System that provides the most powerful Wi-Fi performance.

1. Introduction to HUMAX Wi-Fi System Products

Note!: *For the detailed release dates of HUMAX Wi-Fi System products, please refer to our website!*

Chapter 2. Introduction to the HUMAX Wi-Fi System APP

The Home Wi-Fi System provides free Android and iOS APP for the easy management of Master and Node in a mobile device.

All you need is Internet connection to connect to the Home Wi-Fi System freely using the HUMAX Wi-Fi System APP. Set up and use the features you need for your Internet life using the various features provided by the APP.

Useful Features Provided by the HUMAX Wi-Fi System APP

- Home screen to check the status of Master and all Nodes
- Adding a new Node
- Changing the network name (SSID) and password
- Sending the network name (SSID) and password using KakaoTalk message and text message after setting up the "Guest Network," a Wi-Fi network for guests
- Blocking access to adult websites in the tablet PC being used by your child

2. Introduction to the HUMAX Wi-Fi System APP

- Applying QoS to a laptop for important work to guarantee Internet speed as the top priority when the Internet speed is slow because of multiple connected devices

To use the HUMAX Wi-Fi System APP, you need a mobile device supporting Android 5 or later or iOS 10 or later.

Note!: *Android tablets and iPads do not support the HUMAX Wi-Fi System.*

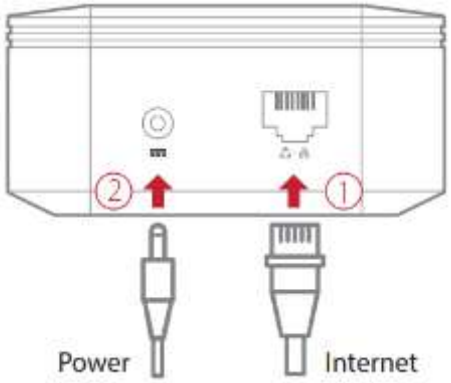
Chapter 3. Installation and Registration

3.1 Installing for the First Time

Step 1. Connect the Master to the Internet

① Connect the Internet line to the Internet port of the master.

② Connect power with the enclosed power adapter. Wait until the power and Internet LEDs are turned on.



Note!: *In case of using a modem, connect the Internet port and LAN port of the modem using the enclosed LAN cable.*

Step 2. Install the HUMAX Wi-Fi System APP

Download the HUMAX Wi-Fi System APP to the mobile device.

Note!: *Check whether the power cable and Internet cable are connected to the HUMAX Wi-Fi System.*

3. Installation and Registration

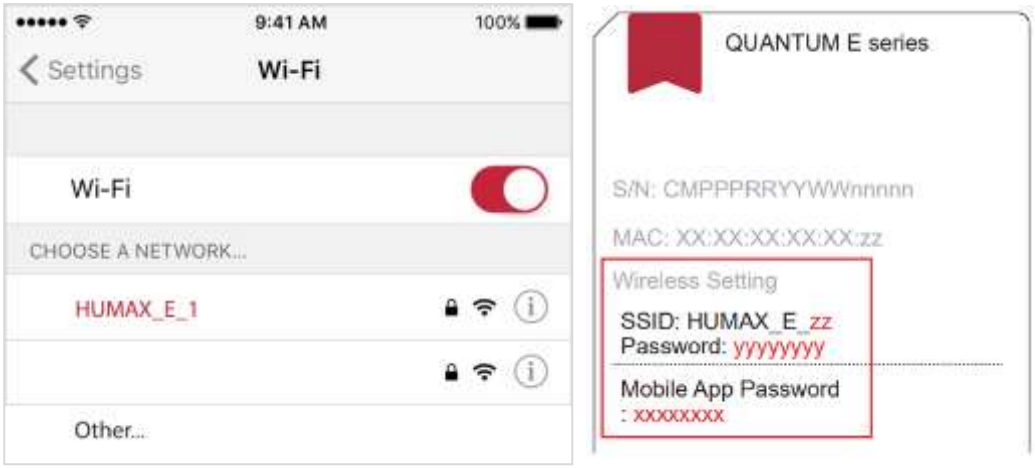
① Search for *HUMAX Wi-Fi system* at Apple App Store or Google Play Store to download or Scan the QR code.

② Your mobile device must be connected to the Home Wi-Fi System. Go to **Settings > Network or Wi-Fi Settings** in your mobile device to check whether Wi-Fi is turned on.

Note!: *The path to the Wi-Fi Settings menu may vary depending on your mobile device.*

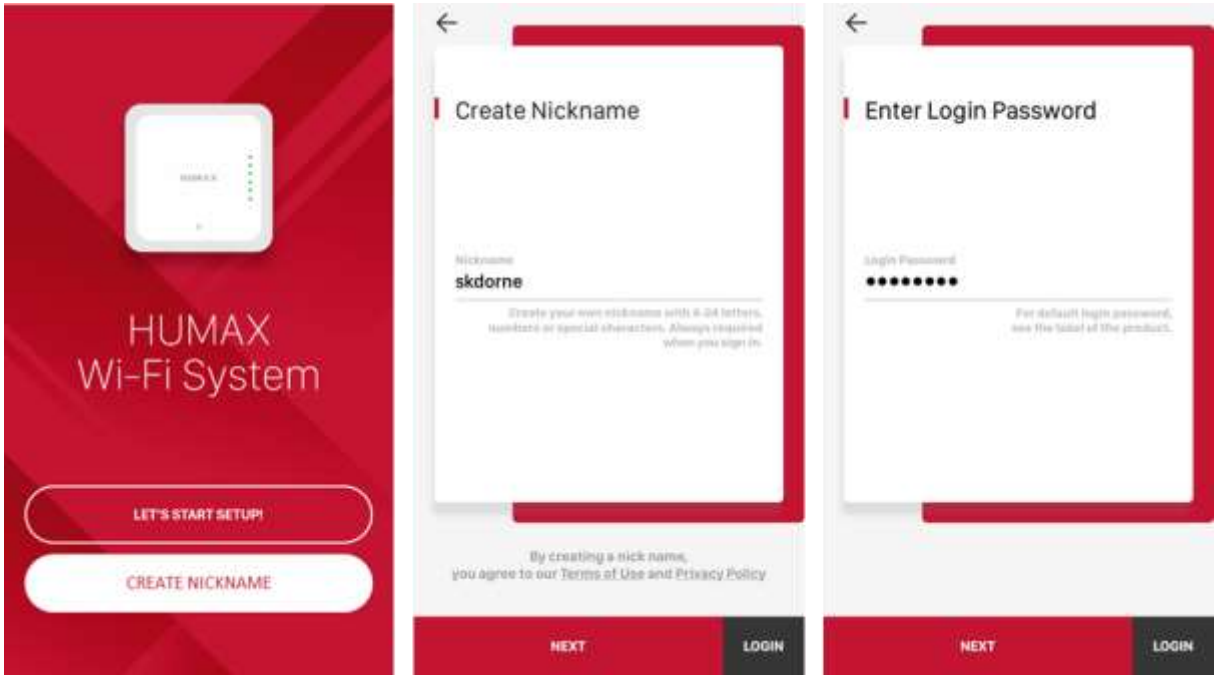
③ Select the network name (SSID) of the Home Wi-Fi System from the network list and enter the password. The initial network name (SSID) and password are printed on the router label.

3. Installation and Registration



④ To use the HUMAX Wi-Fi System APP, you need a nickname to use in your mobile device.

3. Installation and Registration



- Select Create Nickname to create a nickname.
- Enter the **nickname to use** in the APP and tap Next.
- Enter the **initial login password** and tap Next.

Note!: *Refer to the 'Mobile App Password' printed on the label of Master or Node for the initial login password.*

⑤ Complete the setup of the HUMAX Wi-Fi System APP**.**

3. Installation and Registration

Once you register your nickname and login password successfully, a welcome page is displayed. Tap Complete o connect to Home. You can now manage the network using the APP.

Step 3. Connect the Node

If you have purchased the Home Wi-Fi System as a package, Master and Node are already paired. Install the Node at the desired location without additional setup.

① Place the Node at a location with weak Wi-Fi signal.

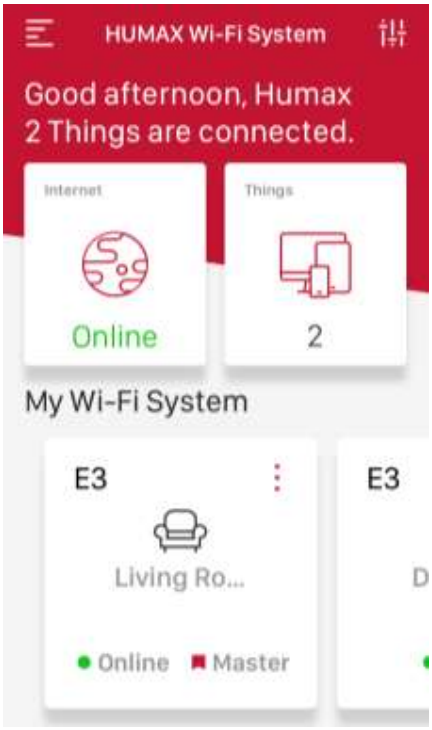
② Connect the power with the enclosed power adapter.

- Wait until the power and pairing LEDs are turned on.

Note!:

- *Place the Node closer to the Master if the pairing LED flickers.*

③ You can check the connection status of the Node through the Home screen of the APP.



3.2 Adding a Node

If the existing Node got disconnected, or if you need to add a Node by purchasing an additional single product of the Home Wi-Fi System, you can add a new Node using the HUMAX Wi-Fi System APP and WPS button.

[Adding with the HUMAX Wi-Fi System APP]

① Tap the **+ icon** of "My Wi-Fi System" at the bottom of the Home screen.

Note!: *You can add up to three nodes.*

② Tap **Start** to search for the new Node.

③ **Check if the serial number of the searched node is correct** and tap Next.

④ Tap Finish to go to **Home**.

Note!: *It takes up to 2 minutes to complete pairing. Once the pairing is complete, the Pairing LED of the Node is turned on.*

3. Installation and Registration

[Adding with the WPS Button]

① Place the Node to connect close to the Master.

② Press the **WPS** button of the Master and the **WPS** button of the Node. The **WPS LEDs** of the Master and the Node flicker at the same time while adding the Node.

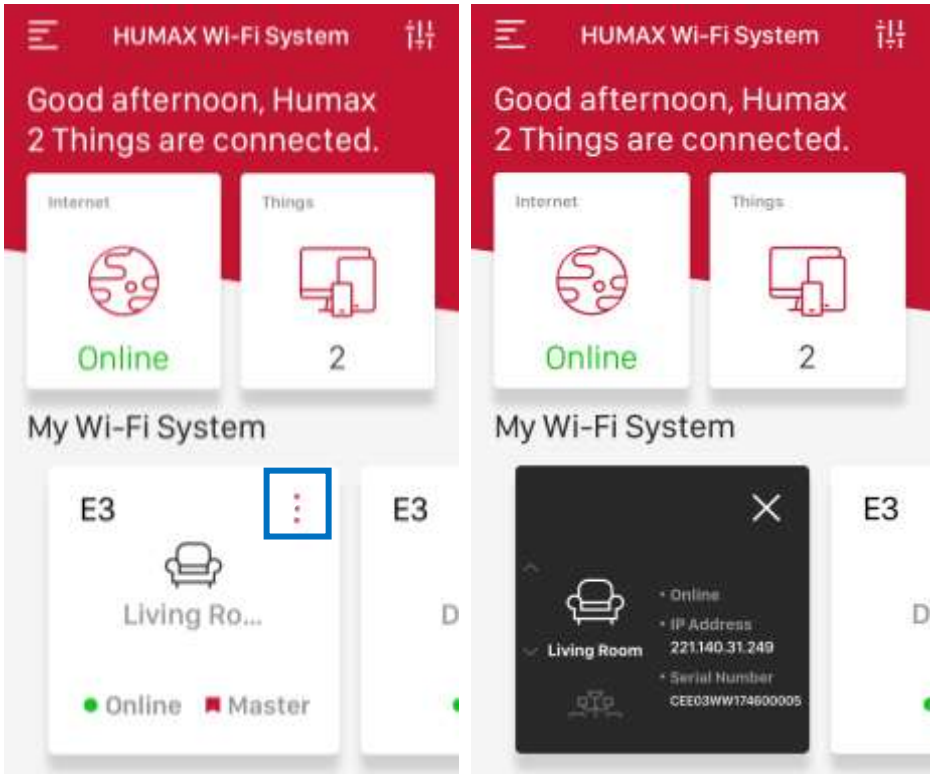
③ If the Node is added successfully, the **Pairing LED** of the Node flickers**.**

[Completing the Addition of a Node]

If the Node is added successfully, you can check from "My Wi-Fi System" on the **Home** screen.

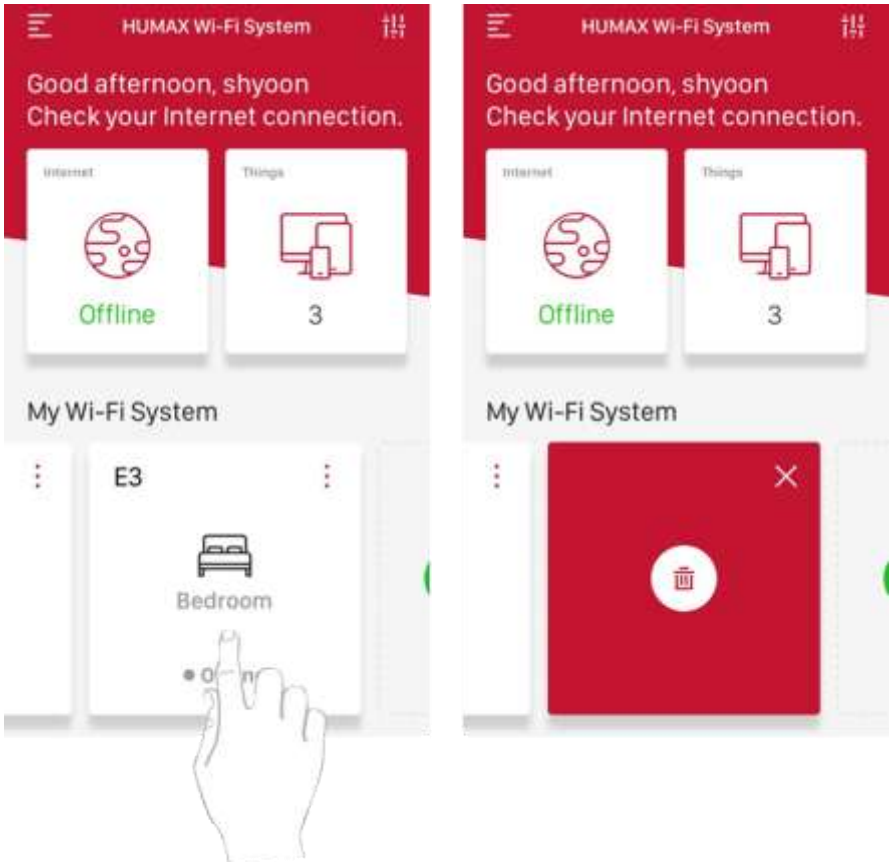
[Checking the Node Information]

- Tap ( ) View More in My Wi-Fi System Card at the bottom of the Home screen to check information of the Node that is currently connected to the Master.



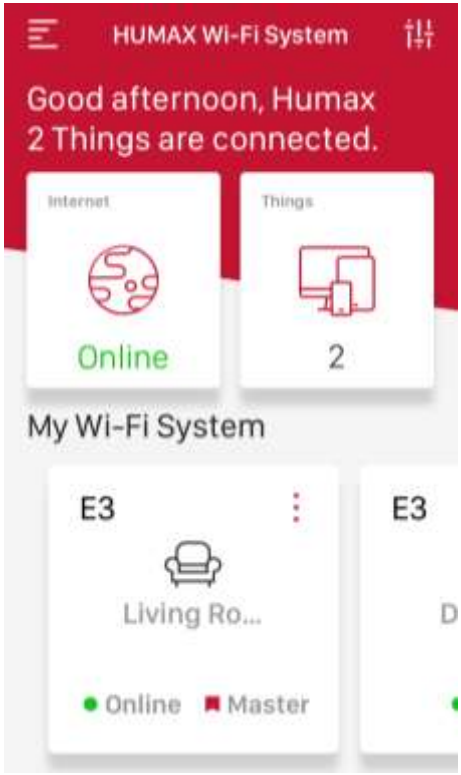
Note!: *Click the Scroll icon for specifying the Node position to identify the Node easily.*

- You can delete the connected Node by long-tapping the card.
- Since a deleted Node must be added manually, deleting is not recommended unless there is a problem with the product.



Note!: *A Node can be deleted only when it is online.*

Chapter 4. Introduction to the Home Screen



You can check the connection status of the Home Wi-Fi System on the Home screen. You can also add or edit the QoS priority and child protection rules on the connected devices directly on the Home screen.

4.1 Checking the Connection Status of the Home Wi-Fi System

Internet:

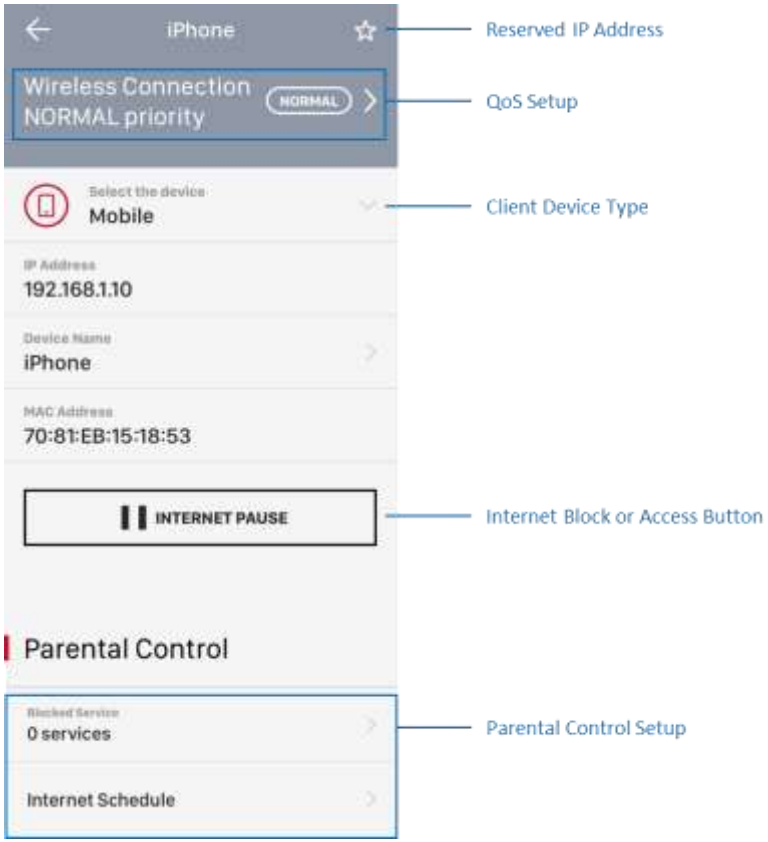
- You can check the Internet connection status.
- If it is offline, check if the Internet cable is connected to the Master.

Things: You can check the number of connected devices.

My Wi-Fi System: You can check the connection status of My Wi-Fi System.

4.2 Managing Connected Devices

You can set up the useful features for managing Internet use such as **Editing Information of Connected Device**, **QoS Settings**, **Child Protection Settings,** or **Pausing the Internet** directly on the Home screen.

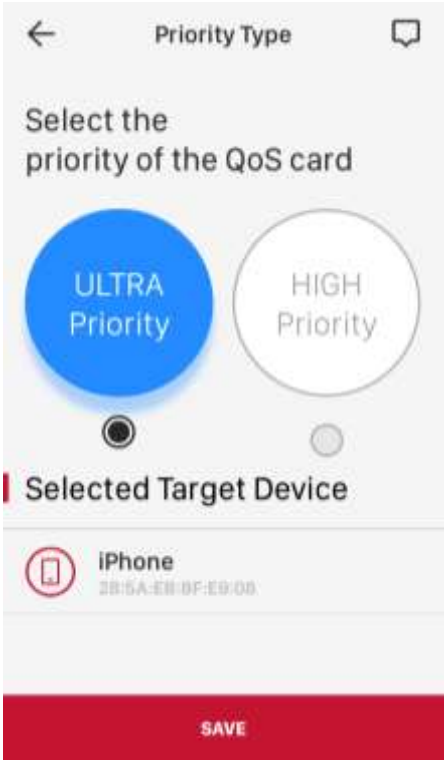


① Select the connected device card on the Home screen.

4. Introduction to the Home Screen

② Select a specific device name from the list of connected devices to connect to the Detailed Device Information screen.

- Setting the QoS: For a device that has set up the QoS, higher speed than other devices and seamless use of the Internet are guaranteed.



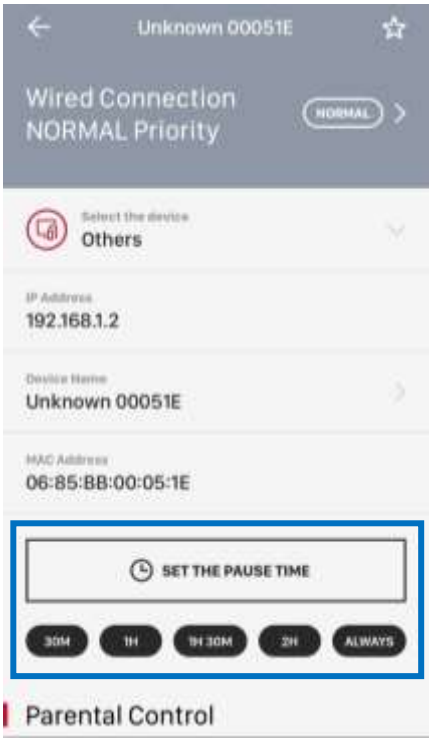
Note!: *Detailed setup is possible in the QoS menu.*

4. Introduction to the Home Screen

- **Pausing the Internet**: This is a feature to for blocking the Internet for a fixed period of time.

  ① Tap the **Pause Internet** button and select a **block time** at the bottom of Select Pause Time.

  ② If you are trying to unblock the Internet, tap the **Restart Internet** button.

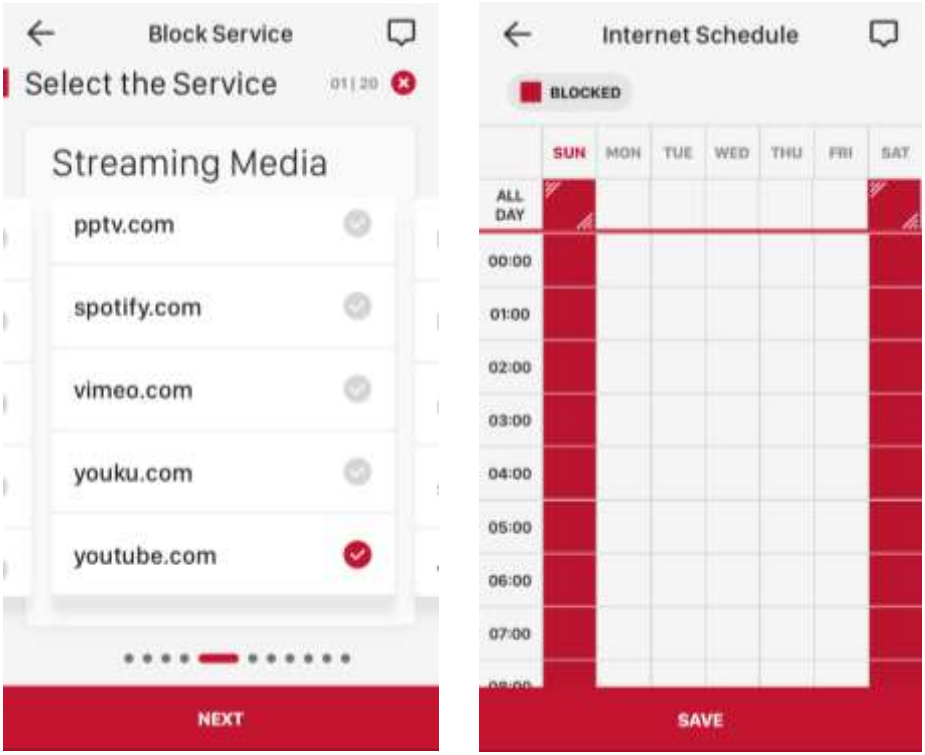


4. Introduction to the Home Screen

- **Child Protection Feature**: You can restrict access to specific websites or services.

  ① Tap the **Blocked Services** menu to select the service to block followed by Save.

  ② Tap the **Internet Schedule** menu to set the time for restricting the selected service followed by Save.



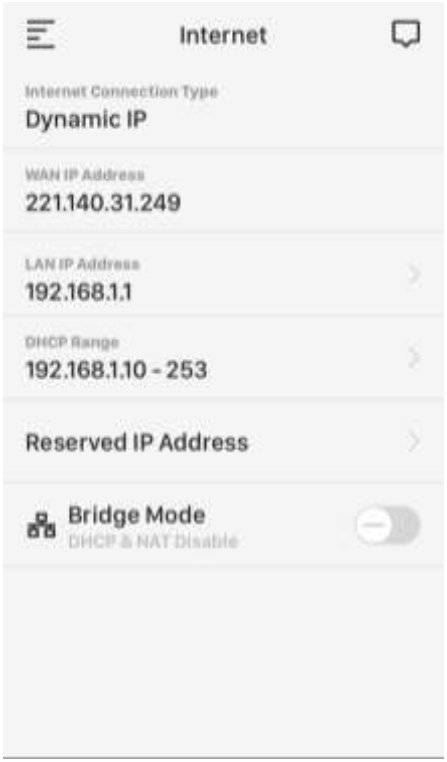
- **Specifying the Reserved IP Address:** Select the star icon on the top. The LAN IP currently used by the device is set as the reserved IP address.

Chapter 5. Setting the Network

5.1 Checking the Internet Connection Information

You can check information on the currently connected Internet.

If the Internet connection type is in "Disconnected" state, check if the Internet cable is connected to the Master.



5.2 Setting the LAN

- **LAN IP Address:** You can set up the LAN gateway address of the Master.
- **Setting the DHCP Range:** You can set up the DHCP server range.

5.3 Setting the Reserved IP Address:

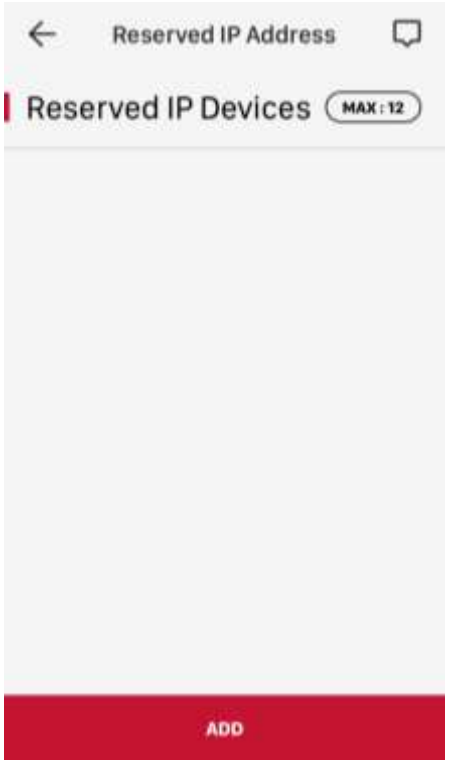
As a method identical to the fixed IP, this may be required for connecting to a server where the IP address does not dynamically change or for external connection. For example, you cannot use the configured service if a certain time period lapses and the LAN IP changes after applying DMZ based on the LAN IP of a specific device. If you apply the service after specifying the LAN IP address reserved for a specific device, you can use the service without worrying about changing the LAN IP address.

① Tap the Reserved IP Address menu.

② Tap Add to select the device to which a reserved LAN IP address will be applied.

You can also enter the MAC address to specify a reserved IP address even on a device that is not connected to the Home Wi-Fi System.

5. Setting the Network



③ Enter an IP address to use by reservation.

Note!:

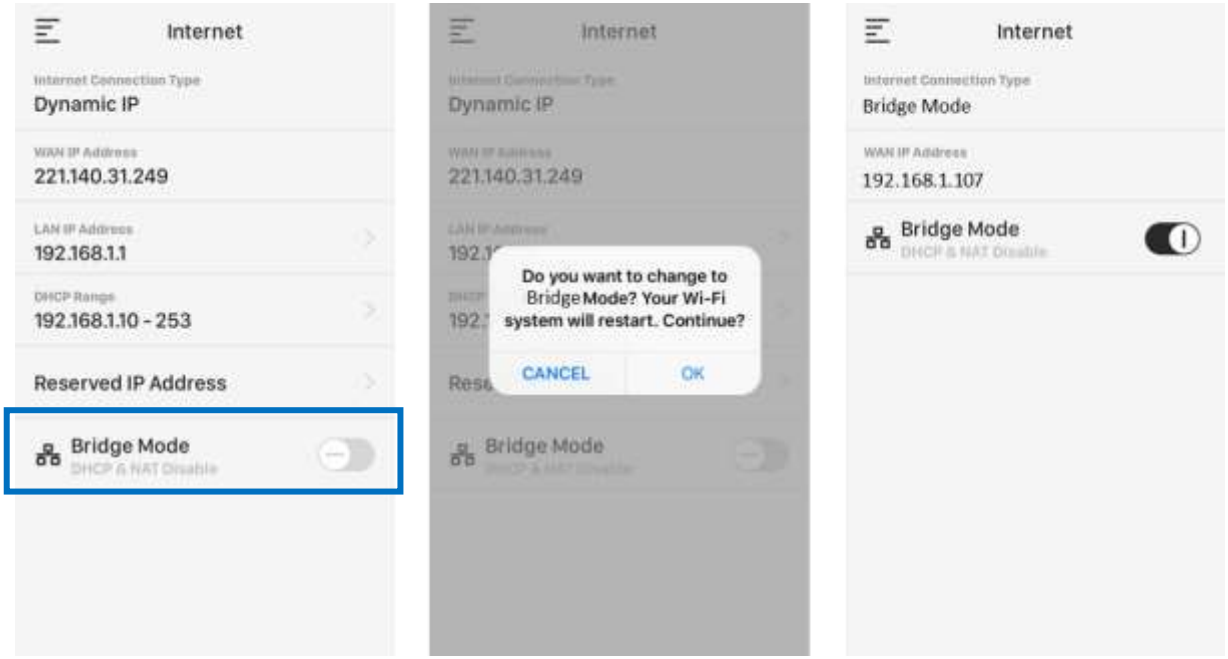
- *You must enter an IP address in the DHCP server.*
- *You cannot use the LAN IP address already in use.*

④ You can check the devices using the reserved LAN IP address in the list of reserved IP addresses.

5.4 Setting the Bridge Mode

Use the bridge mode if you are trying to use the device by connecting to an existing router or modem. If set up as a bridge mode, the same network as the connected router or modem is used.

① Enable bridge mode. Tap OK after reading the message.



Note!:

- *If WAN IP is not assigned within five minutes, the device will return to router mode.*
- *NAT and DHCP are disabled in bridge mode. LAN IP is not assigned to the devices and*

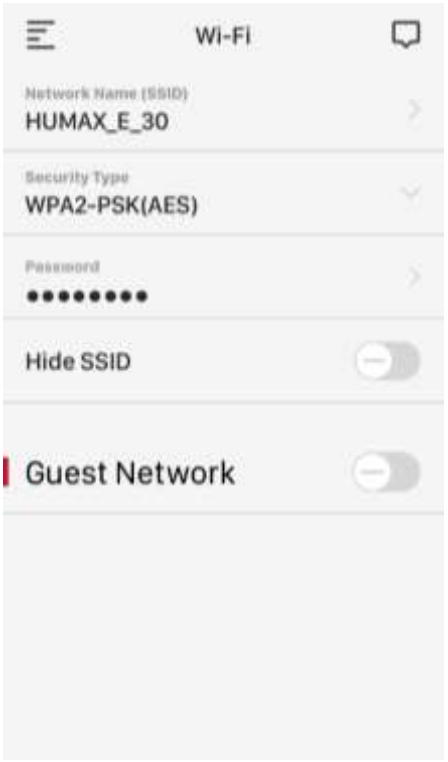
5. Setting the Network

Nodes connected to the Master. Therefore, QoS, child protection feature, reserved IP address, and DMZ feature are not available.

- *If you change to bridge mode, the Wi-Fi system will restart.*

Chapter 6. Setting the Wi-Fi

After checking the current Wi-Fi information in the Wi-Fi menu, you can change the network name (SSID) and password.



- **Network Name (SSID):** Enter the Wi-Fi network name to change. A name that can be easily identified is recommended.
- **Password:** Enter the password of the Wi-Fi network.

  The security types **WPA2-PSK (AES)** and **WPA2/WPA-PSK (AES/TKIP)** are provided.

  - **WPA2-PSK (AES):** Suitable for most home network environments, provides the most powerful encryption feature.

  - **WPA2/WPA-PSK (AES/TKIP):** Suitable for most home network environments, provides a powerful encryption feature with improved compatibility compared to the previous version. The use of **WPA2/WPA-PSK (AES/TKIP)** security type is recommended to guarantee compatibility with various devices.

6. Setting the Wi-Fi

- **Hiding the SSID:** This is a feature that hides the network name (SSID). Use this feature to block unwanted users from using the Wi-Fi. If you set up this feature, the network name (SSID) is not displayed on the list when you search from a mobile device or a laptop. Connection is possible only after entering the SSI manually.

Note!:

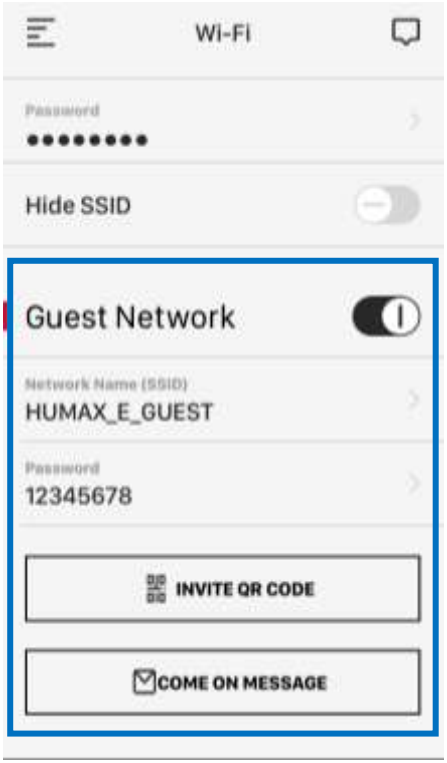
- *Check the default network name (SSID) and password on the bottom label of the product.*
- *The Home Wi-Fi System uses the same network name (SSID) in 2.4 GHz and 5 GHz bands for optimized Roaming & Mesh.*
- *If you change the network name (SSID) or password, all existing Wi-Fi will be removed from the device. If you have changed the network name (SSID), be sure to connect the device again.*

6.1 Setting and Sharing the Guest Network

You can use a number of wireless network names (SSID) through the guest network feature, i.e., Wi-Fi network for guests. You can protect the internal network of the main Wi-Fi by separating from the mainly used Wi-Fi.

① Tap the toggle button to select whether to use the guest network. If you turn off the toggle button, all options below will disappear.

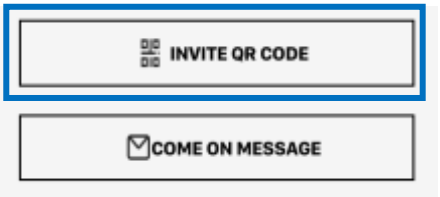
② Enter the guest network name (SSID) to use and password. In this case, the security type is the same as the default Wi-Fi.



6. Setting the Wi-Fi

③ Share the guest network connection information easily with the guest using the QR code and SNS invitation message.

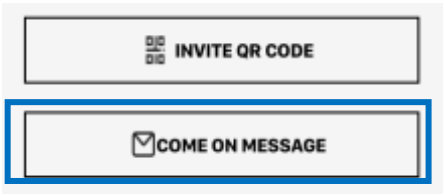
- If you tap "**Invite with QR Code**", a QR code that can be scanned is provided. The sharing users can easily check the guest network connection information by scanning the QR code.



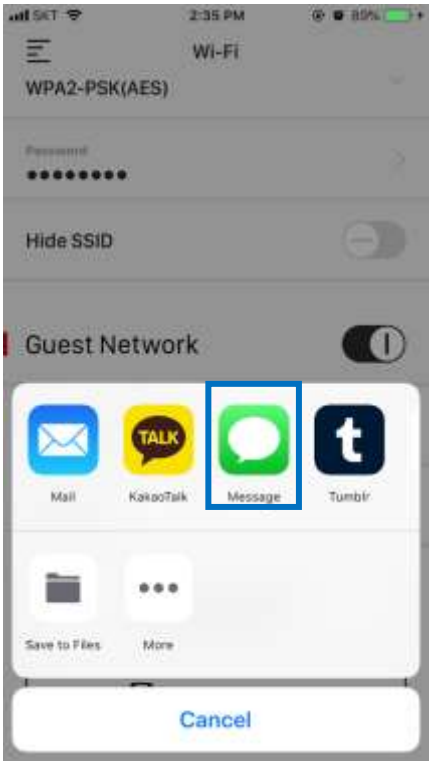
- If you tap **"Send Invitation message**," the list of apps to send the message is displayed. Select the app to share.

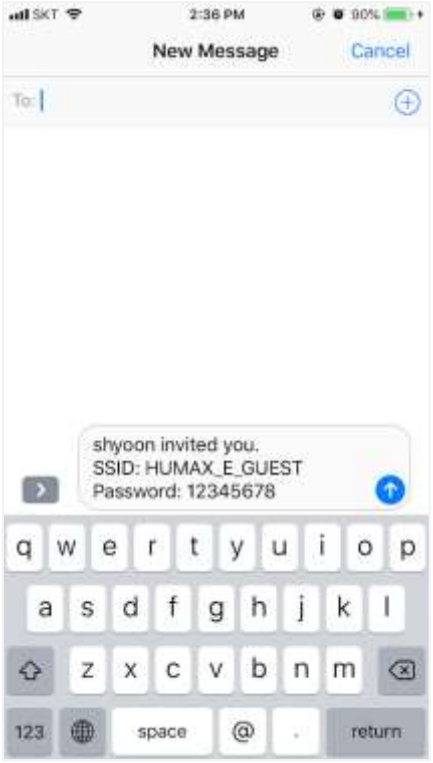
6. Setting the Wi-Fi

- You can edit the details of the invitation message. The default information is network name (SSID) and password. The shared user can connect to the guest network more easily by searching with the network name (SSID) and copying the password.



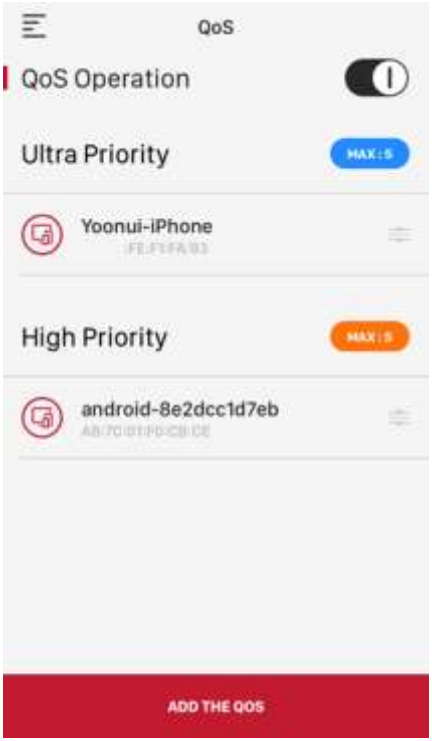
6. Setting the Wi-Fi





Chapter 7. Setting the Quality of Service (QoS)

Apply the QoS service to a tablet PC that frequently streams large video files or a laptop that uses Skype. In the QoS menu, you can assign the priority to avoid slowdown of Internet speed or stop content streaming on a specific device connected to the Home Wi-Fi System. A device that has applied the QoS service takes priority over the many devices connected to the Home Wi-Fi System network.



① Tap the toggle button to select whether to use the QoS. If you turn off the toggle button, all options below will disappear.

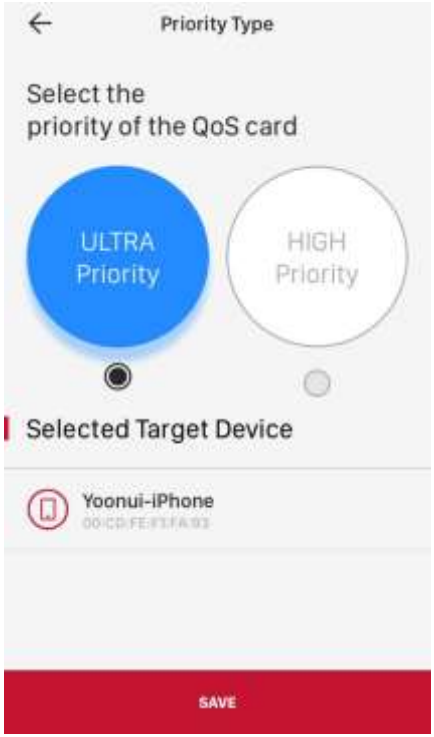
② Using the list, you can check the priority level set on the client device or service.

③ Select the device to apply the QoS service.

④ Select the priority level of **Ultra** or **High** and tap **Complete**. You can register up to five devices each to Ultra and High.

7. Setting the QoS

Note!: *If the desired devices cannot be found in Connected Devices and Devices Not Connected, tap "Enter MAC Address" to add a device directly.*

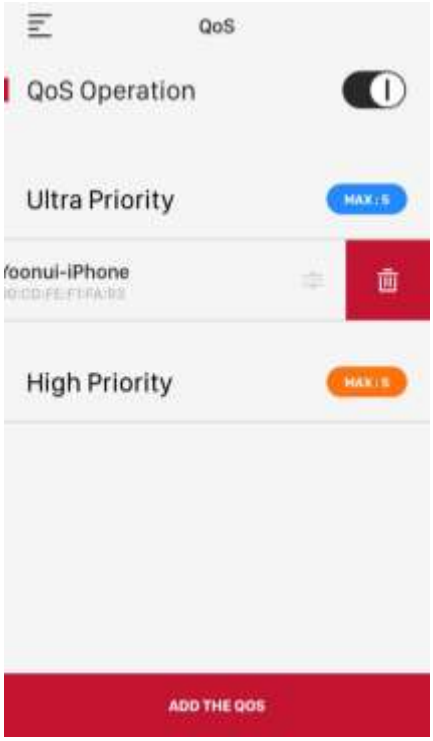


7. Setting the QoS

To Disable the Priority

① Slide the device name to the left.

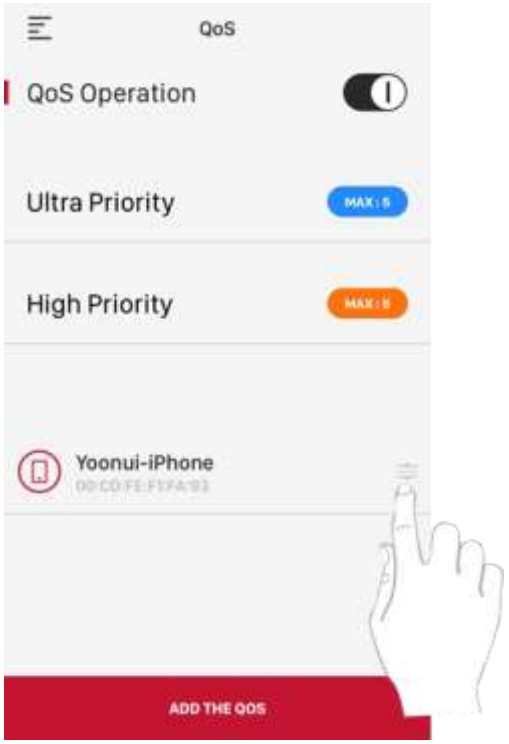
② Tap to delete.



To Change the Priority

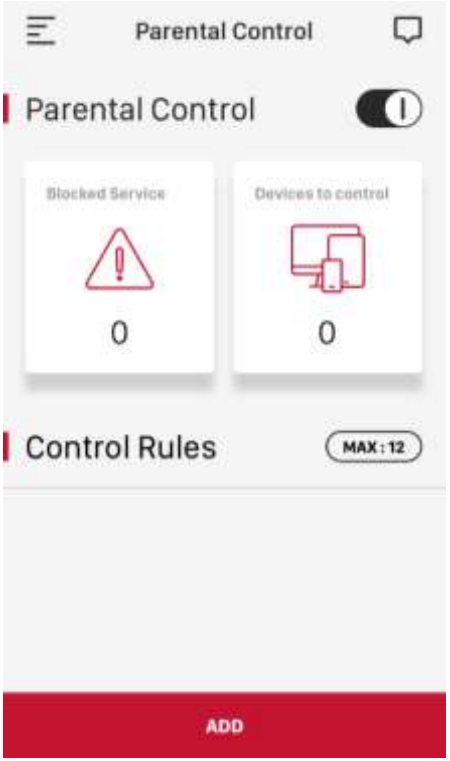
① Long-tap the registered device name.

② Long-tap and slide up & down.



Chapter 8. Child Protection Feature

You can block inappropriate, provocative, or malicious websites from your child's tablet PC or mobile phone to control access to the specified websites during the specified hours.



① Tap the toggle button to select whether to use the child protection feature. If you turn off the toggle button, all options below will disappear.

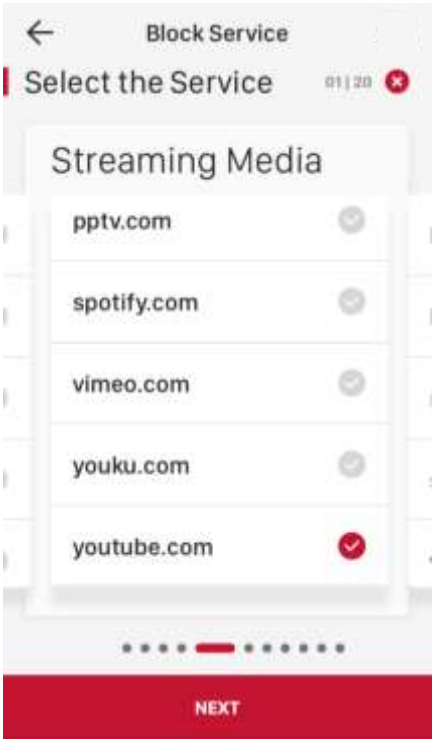
② Tap **Add** to add a rule.

③ Select the desired device from the device list.

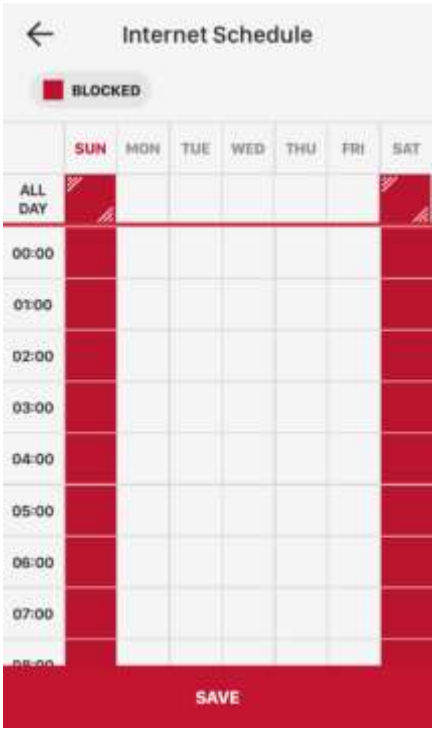
Note!: *If there are no desired devices cannot be found in Connected Devices and Devices Not Connected, tap "Enter MAC Address" to add a device directly.*

8. Child Protection Feature

④ You can block adult or SNS service using the child protection feature. Select the service to block and tap Next. You can register up to 20 blocked services.



⑤ Select the hours when the selected service is blocked. The selected service will be blocked for the duration of time filled with red. Tap **Save**.



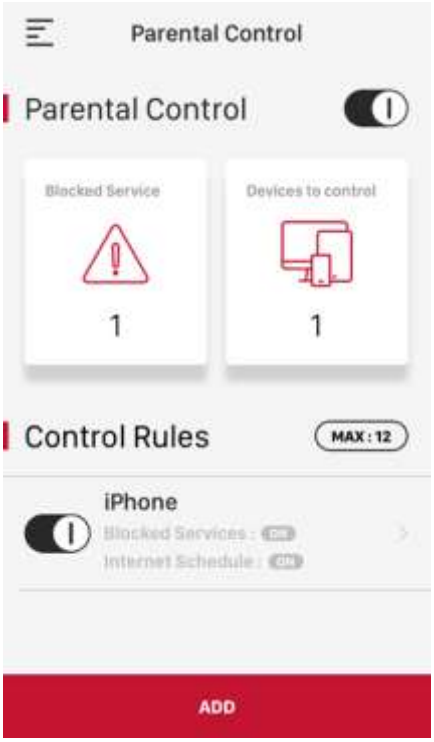
Note!

- *If there is an error in operating the Internet schedule, select "Copy to Mobile Time and Date" in the Date & Time menu to change the date and time.*

To stop the child protection feature

① Tap the toggle button ( ) on the left of the device name.

② If you turn off the toggle button, the set rule will not operate.



Chapter 9. Media Sharing

With the media sharing feature, you can freely enjoy the media files (such as music or video) connected to the Master. You can set up the access level on the USB storage connected to the router.

Note!:

- *This function is available only for the Smart Package and Powerful Package, where an E10 product with USB port acts as a master.*
- *The USB storage must be connected to the router.*
- *The following file systems are supported:*
  - *FAT32*
  - *NTFS*
  - *exFAT*

9.1 DLNA Server

You can access the connected USB storage through a device that is compatible with DLNA (such as Blu-ray Disc Player, TV, computer, or smart phone). You can also access the DLNA server from an internal network. In other words, you can enjoy the USB storage contents **only if your device is connected to the HUMAX Wi-Fi System network**.

9.1.1 DLNA Server Setup Method

① Tap the toggle button to select whether to use the DLNA server.

② The DLNA server name is **"HUMAX E10**."

9.1.2 How to Use the DLNA Server

[Method of Playing Through Windows Media Player from the Laptop]

① Connect your laptop to the HUMAX Wi-Fi System network.

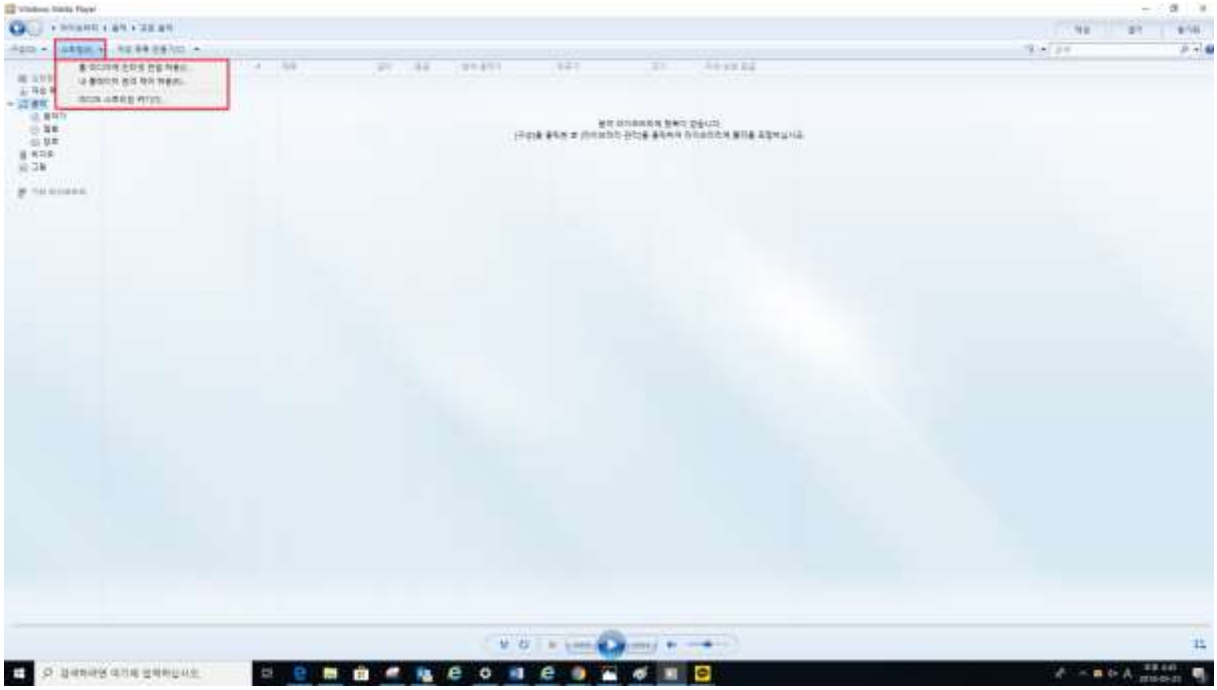
② Run Windows Media Player and click the **DLNA Server Name "HUMAX E10"** from the Other Libraries list.

③ You can play by selecting the desired files.

9. Media Sharing

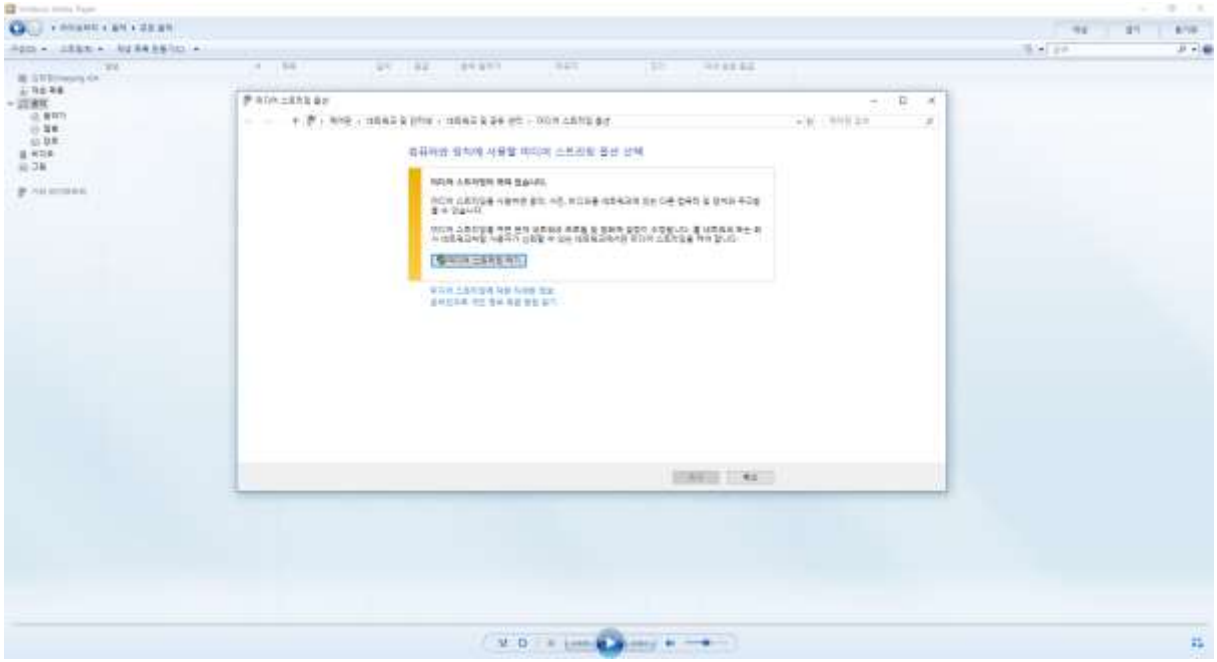
If the DLNA server name is not displayed on the Other Libraries list, select "Stream > Turn on Media Streaming" and proceed in the following order:

9. Media Sharing



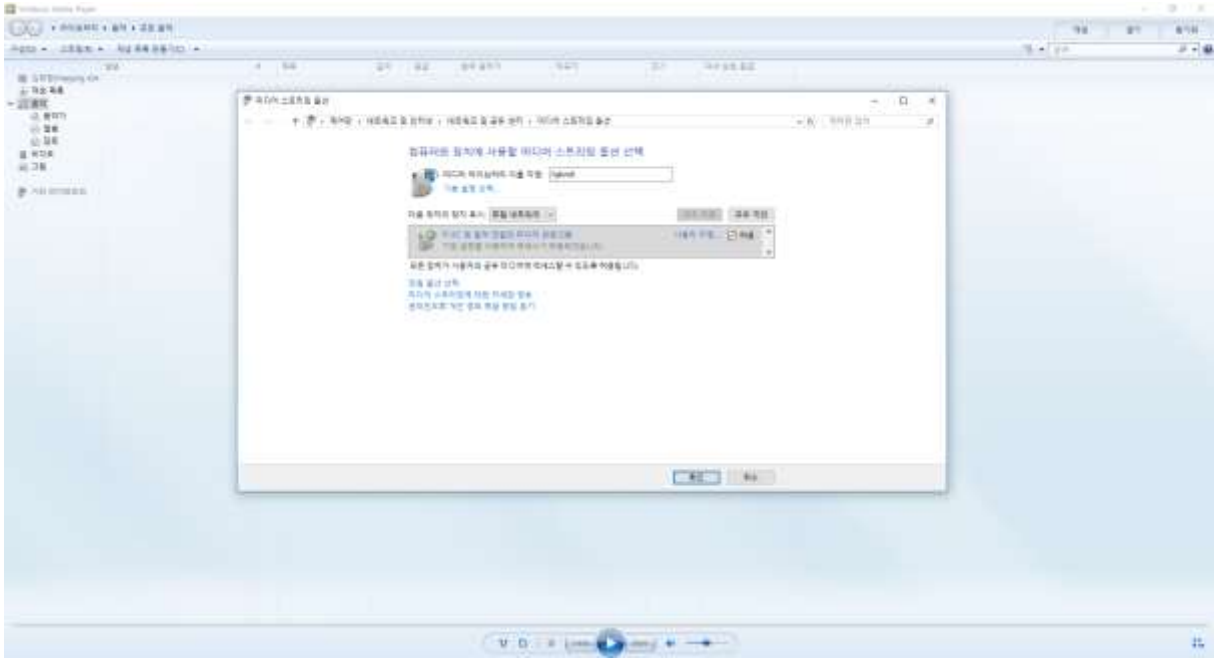
9. Media Sharing

Click "Turn on Media Streaming."



Click [OK] to add the DLNA server name on the Other Libraries list.

9. Media Sharing



Note!:

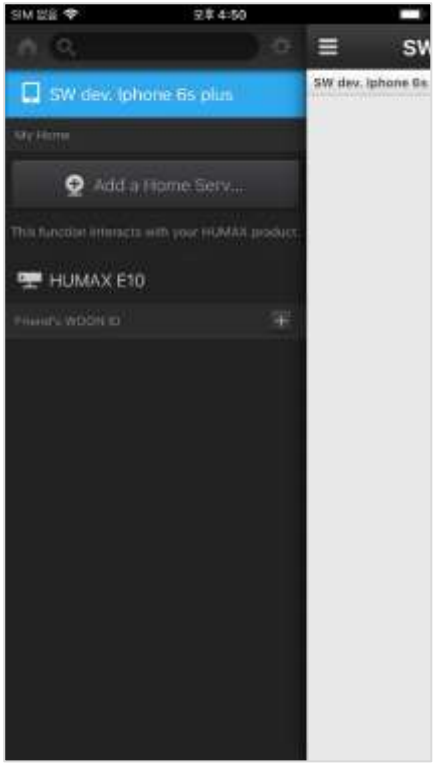
- *If HUMAX E10 does not appear on the list right away, close Windows Media Player and open it again.*

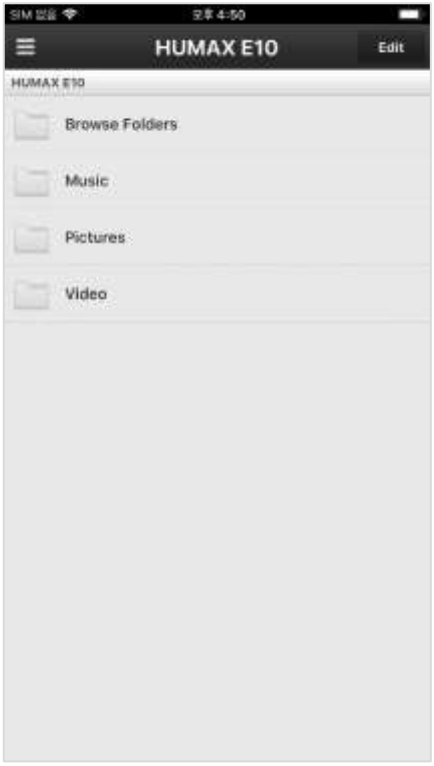
[How to Play Using a Smart Phone App]

① Connect your smart phone to the HUMAX Wi-Fi System network.

9. Media Sharing

② After launching DLNA APP or media, play by selecting the desired files.





Note!:

- *If there is no DLNA APP or media player APP, download "HUMAX Media Player" from Google Play Store or App Store. You can easily play media files by simply launching the APP.*

9.2 FTP Server

You can access the USB storage connected via the FTP server. You can also access the FTP server from the internal and external networks.

[Setting the FTP Server]

① Tap the toggle button to select whether to use the FTP server. If you turn off the toggle button, all options below will disappear.

② Specify the folder to share with the FTP server.

③ You can set up an account for server access.

Note!:

- *If you select Anonymous Access, unauthorized users can access the USB storage. We recommend setting up a server access account for security.*

④ You can tap the Share FTP Server Address button to share easily the address for connecting to the FTP server.

[How to Access USB Storage via FTP Server]

① Open the web browser from your smart phone or laptop, etc.

② Enter the FTP server address on the address bar.

9. Media Sharing

- Enter ***ftp://<WAN IP Address of Master>,*** if you are connecting from an external network or ***ftp://<LAN IP Address of Master>*** (e.g., ftp://192.168.1.1) if you are connecting from an internal network.
- If you have set up the domain name via the DDNS network, enter ***ftp://<Domain Address of Master>***

③ Enter the set-up account.

④ You can check the list of shared files. Feel free to enjoy your favorite videos and music.

Note!:

- *You can check the WAN IP address and LAN IP address in the Internet menu.*
- *If you are trying to connect to the FTP server from an external network, we recommend turning on the DDNS settings for convenience.*

9.3 Setting the Windows Network (Samba)

You can access the USB storage connected via the Windows Network (Samba) server. You can also access the Windows Network (Samba) server from the internal network. In other words, you can enjoy the USB storage contents only if your device is connected to the HUMAX Wi-Fi System network.

[Setting the Windows Network (Samba) Server]

9. Media Sharing

① Tap the toggle button to select whether to use the Windows Network (Samba) server. If you turn off the toggle button, all options below will disappear.

② Specify the folder to share with the Windows Network (Samba) server.

③ You can set up an account for server access.

Note!:

- *If you select Anonymous Access, unauthorized users can access the USB storage. We recommend setting up a server access account for security.*

④ You can tap the Share Windows Network (Samba) Server Address button to share easily the address for connecting to the Windows Network (Samba) server.

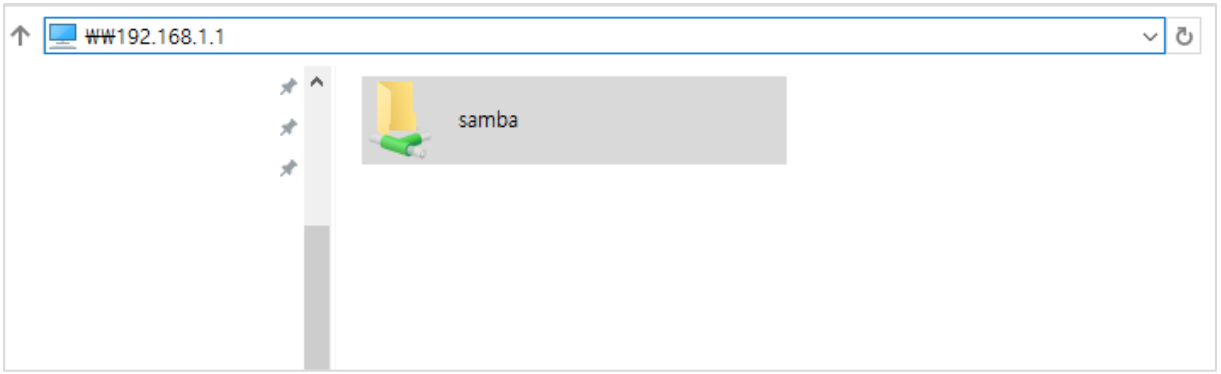
[Add sharing image]

[How to Access USB Storage via Windows Network (Samba) Server]

① Connect your smart phone or laptop, etc. to the HUMAX Wi-Fi System network.

② On the search window of your smart phone or laptop, enter the Windows Network (Samba) server address ₩₩<LAN IP address of the Master> (e.g., 192.168.1.1).

9. Media Sharing



③ Enter the set-up account.

④ You can check the list of shared files. Feel free to enjoy your favorite videos and music.

Note!:

- *You can check the LAN IP address in the Internet menu.*
- *In case of smart phone or tablet PC, you must download the Windows Network (Samba) client APP.*

9.4 Checking USB Information

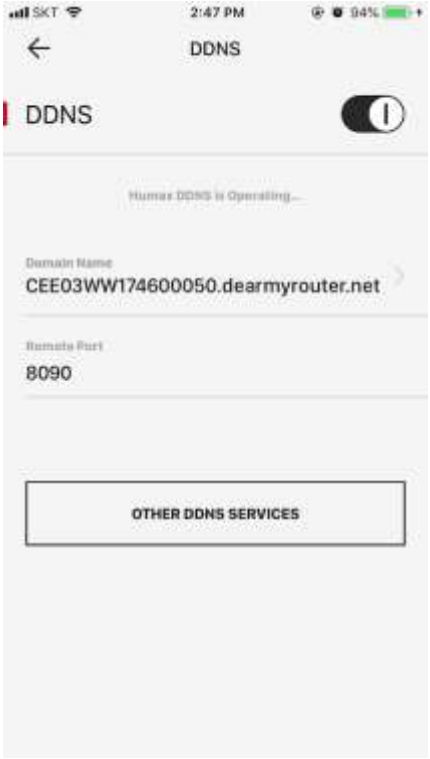
- You can check information on the connected USB. To remove safely, remove the USB after pressing the Remove button.

Chapter 10. Advanced Features

Features such as DDNS, DMZ, UPnP, or IPv6 are supported. We recommend maintaining the default settings if you are not a skilled user.

10.1 DDNS

Set up DDNS if you want to manage the Home Wi-Fi System through the APP even from outside your home.



[HUMAX DDNS]

Use HUMAX DDNS if this is your first time to use DDNS.

It is free, and you can create a domain inside the APP.

You can also edit by selecting the domain name.

Note!:

- *The default is set to **serial number.dearmyrouter.net**.*
- *Change to a domain name that you can easily remember.*

[DynDNS, NoIP & DuckDNS]

If you have a DDNS service that you are already using,

enter the account and domain you are using after selecting the service in use.

Note!:

- *You can use the DDNS service after creating the domain and account in the website below.*
- *You can use it with HUMAX DDNS simultaneously.*

DDNS Service:

DynDNS	NoIP	DuckDNS
dyn.com/dns/	www.duckdns.org	www.noip.com

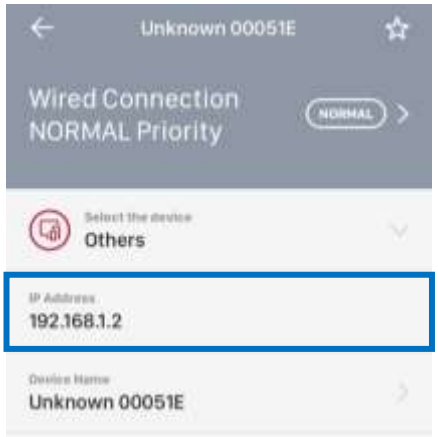
10.2 DMZ

The DMZ service saves the trouble of having to set up the port used by the service one by one in order to use specific online games, messengers, or P2P services. If you use the DMZ feature when you are not sure which port to open, it opens all ports of the device using the registered host IP.

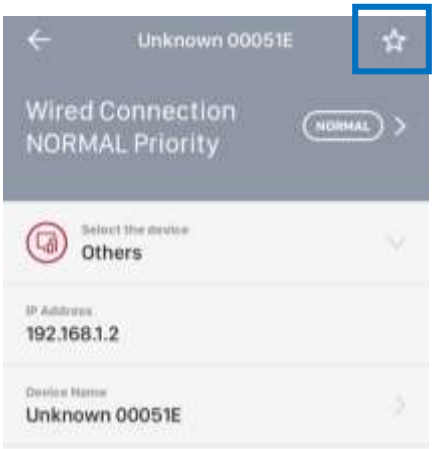
For the host IP address, you can register the LAN IP address of the Master or the LAN IP address of the device to use online game, messenger, or P2P service (such as laptop or mobile phone).

Note!:

- *Using the DMZ feature may cause a security vulnerability. We recommend turning off DMZ if you have finished using the service that requires the DMZ feature.*
- *The default value of the host IP is the LAN IP of the Master.*
- *You can check the LAN IP of the connected device in Home > Connected Devices > Detailed Page of Each Device.*



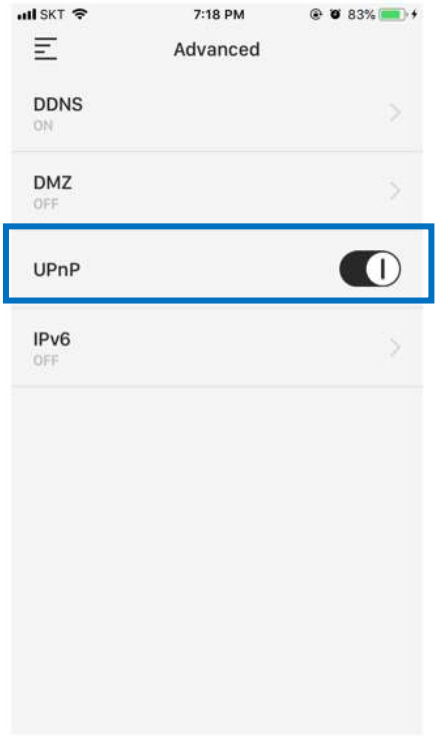
- *If you are setting up DMZ in a connected device, you must use a static IP address to prevent changes to the device for which the DMZ feature has already been set up. Use the reserved IP address on the Detailed Device Information screen for the stable use of the DMZ feature.*



10.3 UPnP

Use if the connected network device or the service you are using supports UPnP.

This is a port forwarding feature for the satisfactory use of the Internet service by network devices and services through the automatic detection of other network devices (such as mobile phone, IP camera, or network printer) or services (such as Skype or online game) that support UPnP.



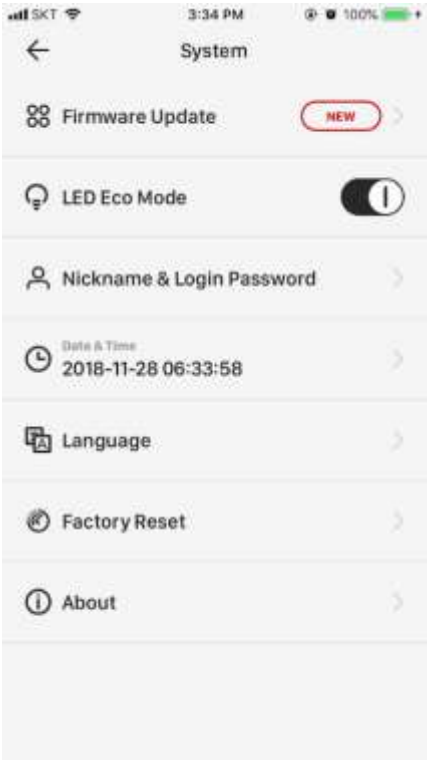
10.4 IPv6

Use if you need communication via IPv6.

Chapter 11. System

① Tap the System ( ) icon on the Home screen.

② You can apply the settings related to the system such as firmware update or factory reset.

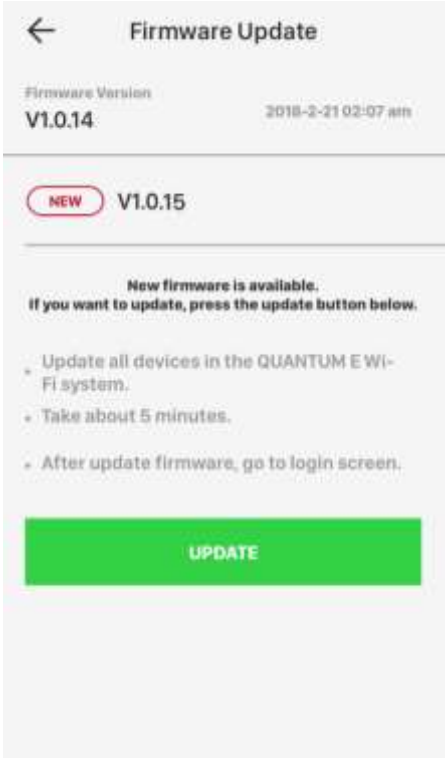


11.1 Firmware Update

① Tap Firmware Update.

② Check for the latest firmware.

③ If the latest firmware is available, tap Update to update the firmware.



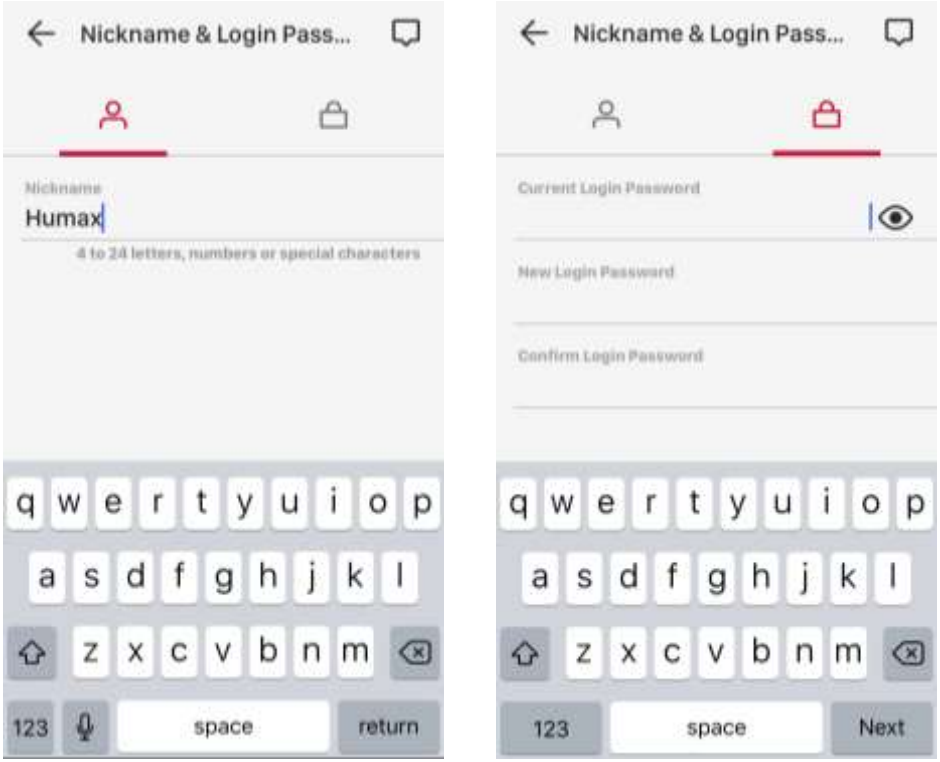
Note!:

- *Using the latest firmware is recommended to guarantee the performance of the HUMAX Wi-Fi System.*
- *If all Nodes connected to the Master are online, the firmware of the Nodes are updated at the same time. Check if all Nodes connected to the Master are "online" on the Home screen.*

11.2 Nickname & Login Password

① Tap Nickname & Login Password.

② Tap the Nickname icon to change the nickname. Tap the Password icon to change the password.

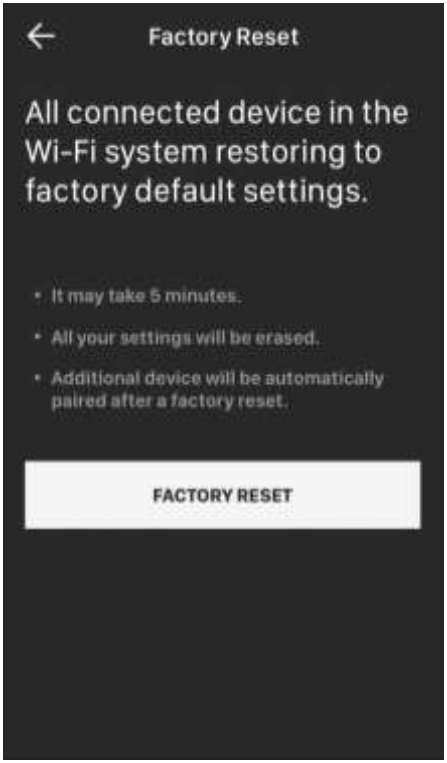


③ Tap the Save button to finish changing the nickname & login password.

11.3 Factory Reset

① Tap Factory Reset.

② Then tap the Factory Reset button. It takes about five minutes for the settings of all connected Nodes to be reset.



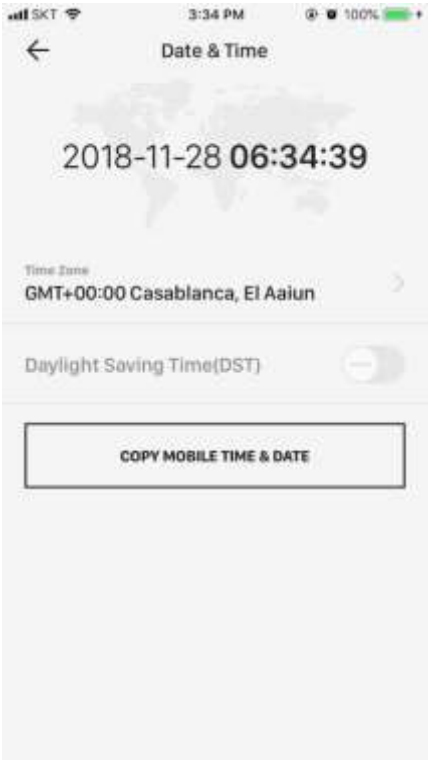
Note!:

- *All Nodes connected to the Master must be online for the proper factory reset of the HUMAX Wi-Fi System in use.*
- *If you have added a Node separately to the package, you must add the Node manually after the factory reset.*

11.4 Other Settings

- **LED Eco Mode:** If you use LED Eco mode, all LEDs except the power LED will be turned off.

- **Date & Time:** You can set up the date and time to use in the HUMAX Wi-Fi System.
  - **Standard Time Zone:** Select the standard time zone of the country where the HUMAX Wi-Fi System will be used.
  - **Copy Mobile Time and Date:** This is a feature for setting up the date and time to use in the HUMAX Wi-Fi System to be the same as the mobile device.
  - **Daylight Saving Time: If you are using the HUMAX Wi-Fi System in a country that observes daylight saving time,** enable "Daylight Saving Time" to increase the accuracy of date & time.



- **Language:** You can change the language used in the APP. It supports English, Korean, and

Thai. The default language is the language of the mobile device.

- **Information:** You can check the APP version, privacy policy, terms & conditions, and services.

Chapter 12. Troubleshooting

You can diagnose and solve the problems that may occur while using the HUMAX Wi-Fi System APP. Before contacting customer support, please read the tips below carefully. If the problem persists even after you complete the processes below, contact customer support for more information.

When you cannot find the HUMAX Wi-Fi System APP in the App Store

- Scan the proper QR Code with the mobile device.
- Search with the keyword *HUMAX Wi-Fi System*.
- Check if your mobile device supports Android 5 or later or iOS 10 or later. You cannot use Android tablets or iPads.

When you cannot connect to the HUMAX Wi-Fi System APP.

- Delete the APP and install again.
- Update the APP to the latest version. To check the current version, go to **Device > Menu > About the HUMAX Product**.
- Connect to the Wi-Fi network of the HUMAX router to connect the mobile device.

When you cannot log in to the HUMAX Wi-Fi System APP

12. Troubleshooting

- Check if the login information is correct. The default ID and password are printed on the product label. The ID and password are case-sensitive.

When you lost the APP login password

- Hold the WPS button of the Master for 10 seconds or longer to perform factory reset.
- After the factory reset, log in with the default password printed on the label.

Chapter 13. Additional Information

Copyright (Copyright © 2018 HUMAX Corporation)

Not to be copied, used, or translated in part or in whole without HUMAX's prior written consent except approval of ownership of the copyright and copyright law.

Warranty

The warranty does not cover parts that may become defective due to misuse of the information contained in this manual.

"WEEE" Instructions

This product should not be mixed with other household waste at the end of its service life. Please separate this from other types of waste and recycle it responsibly to promote the sustainable reuse of material resources. This will prevent possible harm to the environment or human health due to uncontrolled waste disposal.

Domestic users:

Please contact either the retailer where you purchased this product or their local government office for details on where and how they can take this item for environmentally safe recycling.

Business users:

Contact your supplier and check the terms and conditions of the purchase contract. This product should not be mixed with other commercial waste for disposal.

FCC Customer Information

This device complies with Part 15 of the FCC Rules. Operation is subject to the following conditions:

1. this device must not cause harmful interference, and;
2. this device must accept any interference received, including interference that may cause undesirable operations.

KC

This unit, which is designed for use in Korea only, cannot be used in foreign countries. .

The exterior design or product specifications of this unit may be changed without prior notice for purposes of quality improvement.

This unit was designed to prevent people other than authorized service engineers from opening the inner part. Since it is dangerous to open the lid or attempt repair, please make a request to the service engineer.

Since the wireless equipment is likely to cause radio interference, a manufacturer or an installer may not provide services related to human safety.

Class B Appliance (Home Communication Appliance): This appliance has registered electromagnetic compatibility for home use (Class B); it is intended for home use for the most part and may be used in all regions.

Appliance Classes

	Double insulated Class II equipment (IEC 60417-5172). No earth connection required.
	For indoor use only (IEC 60417-5957).
	Direct current (IEC 60417-5031).
	Standby (IEC 60417-5009)

Safety and Regulation Information

The user manual of the HUMAX router contains important safety and license information.

Safety Guideline

Please use the product after carefully reading the guideline below to avoid user injury or product damage.

- Do not use near water to prevent the product from getting wet. To clean the product, wipe off with clean, dry cloth instead of wet towel. Never use materials such as cleaning fluid.
- Do not spray cleaner directly on the product or remove dust using compressed air.
- Do not place the product near a heating instrument such as heater or radiator or an electronic product such as computer or stereo system, or in the fireplace. Use the product in a cool place.
- Do not place the product on a soft surface such as carpeted floor. This may block the flow of air. Use by placing the product on a hard surface without obstacles.
- Do not block the flow of air on the product by covering or concealing with another object. Do not expose the product to excessive heat or moisture or to vibration or dust.
- Use this product indoors. Please refrain from using outdoors.
- Do not disassemble, modify, or repair the product directly. This may cause electric shock or injury. If modified, the authority to use the equipment is revoked, and the product warranty becomes invalid.
- Place the power cord loosely between the product and electrical outlet to prevent damage. Avoid pulling the cord tightly or getting it stuck between objects.
- Handle the product carefully without dropping or shaking.
- This product has undergone conformity assessment under a test condition using the

components and enclosed cables. You must comply with the regulations and safety by installing properly using only the provided power and interface cables.

- Do not install this product in case of thunderstorm or lightning.
- Once the service or repair of this product is complete, you should request safety inspection to the service engineer and use after checking its safe operating condition.

Danger of Suffocation

Plastic bags and cable ties may be included in the product package. Since there is risk of suffocation if swallowed by a child,
please dispose of them properly to keep them out of children's reach. Keep the product, cord, and accessories out of reach of children.

Simplified EU Declaration of Conformity

The simplified EU declaration of conformity referred to in Article 10 (9) shall be provided as follows:

HUMAX hereby declares that the radio equipment type [HUMAX T9, HUMAX T7, HUMAX T5] is in compliance with Directive 2014/53/EU and relevant directives.

The full text of the EU declaration of conformity is available at the following websites:

- United Kingdom: http://uk.humaxdigital.com/ec
- Germany: http://de.humaxdigital.com/ec

13. Additional Information

Wireless Equipment Use Information

1. In France

Authorization for outdoor use is limited to Channels 1-7 (2.400-2.454 GHz).

2. In Italy

Outdoor use requires general authorization from the national spectrum authorities.

3. In Latvia

Outdoor use requires authorization from the Electronic Communications Office.

4. 5 GHz Radio Local Area Networks (RLANs) Band is for indoor use only.

5. This equipment may be operated in all European Union member countries and Turkey.

Product RF specifications	
Frequency mode (band)	Wi-Fi b/g/n (20/40 MHz),
RF output power	Maximum power level should not exceed 20 dBm.
Frequency range (MHz)	2.4 GHz

And

Product RF specifications	
Frequency mode (band)	Wi-Fi a, n (20/40 MHz), ac (20/40/80 MHz)

RF output power (EIRP)	Maximum power level should not exceed 23 dBm (for TPC)/20 dBm (without TPC).
Frequency range (MHz)	5150 MHz to 5350 MHz

And

Radio Frequency Specifications	
Frequency mode (band)	Wi-Fi a, n (20/40 MHz), ac (20/40/80 MHz)
RF output power (EIRP)	Maximum power level should not exceed 14 dBm.
Frequency range (MHz)	5725MHz to 5875MHz

		FI	SE	UK	BE	BG	CZ	DK	DE
EE	IE	EL	ES	FR	HR	IT	CY	LV	LT
LU	HU	MT	NL	AT	PL	PT	RO	SI	SK

Product Specifications

	E10	**E3**	**E2**	**E1**

13. Additional Information

Wi-Fi	802.11a/b/g/n/ac 800+1800 Mbps	802.11a/b/g/n/ac 300+900 Mbps	802.11b/g/n/ac 300+450 Mbps	802.11b/g/n 300 Mbps
SoC Chipset	MT7621A	RTL8197FS	MT7620A	RTL8196EU-VE2-CG
Antenna	Internal	Internal	Internal	Internal
Memory	64 MB	64 MB	64 MB	16MB
Ethernet ports	10/100/1G x 2	10/100/1G x 1	10/100M x 1	10/100M x 1
USB ports	USB 2.0 x 1	X	X	X
Power	5 V/1.5 A	5 V/1.5 A	5 V/1.5 A	5 V/1.5 A