

QUICK START GUIDE

MediaStar 801 4K Media Player Installation Guide



The MediaStar 801 Media Player is an 4K capable fully featured video and audio media player, specifically designed for corporate, sports, digital signage and other commercial applications. It can output 4K HDMI video that comes from live IP streams, web pages, locally stored video file content or content from a corporate video server.

Company-wide deployments of MediaStar 801 media players can be configured and monitored using the Media Manager software, with its easy 'automatic device discovery' and 'drag and drop' interface.

The 801 Media player has been designed to be deployed throughout a corporate environment with high security, reliability, and low maintenance as priorities.

It is a fully 'static' hardware platform (no disks, no fans) built around a Linux OS, and has been designed specifically to be situated close to the display screen.

The unit uses an Octal processor core to provide fast rendering of HTML5 web page content, including live and stored video pictures and the display of HDCP Professional protected live video streams.

It provides an HDMI output together with 50 GB of internal media storage, USB 3 and USB C ports for local connectivity and internal and external IR receivers. It has DC and PoE+ power options. There is also a 4K60 capable HDMI input to show external video sources on the main video output.

The unit can be supplied with different video output capabilities; 2K (1080p60) or 4K60. Units initially supplied with 2K resolution can be upgraded in the field to 4K60 with a 20-digit enablement code available from MediaStar.

Important Safety Instructions

1. Read and keep these instructions.
2. Follow the instructions and heed all warnings.
3. Do not use this apparatus near water.
4. Clean only with a dry cloth.
5. Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
6. Do not install near any heat sources such as radiators, heat registers, stoves or other apparatus (including amplifiers) that produce heat.
7. Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong is provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
8. Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
9. Only use attachments/accessories specified by the manufacturer.
10. Use only with the cart, stand tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.
11. Unplug this apparatus during lightning storms or when unused for long periods of time.
12. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.

Warning: There are no operator serviceable parts within a 801 Media player

Installation

1. When locating the 801 unit, ensure that a clearance distance of 25mm (1") is maintained around the unit to provide sufficient ventilation airflow. Items that could accidentally block the ventilation grills or impede the cooling airflow must not be located near the unit.
2. The 801 unit must not be installed where there is a possibility of exposure to condensation, dripping or splashing liquids. Containers filled with fluid should not be located in the vicinity of this unit. Do not fix the 801 unit to any surface which is a heat source that may cause the unit to over-heat.
3. Connect the 801 unit to the display using the HDMI or other AV cable. Ensure the HDMI cable is inserted into the 801's HDMI OUTPUT port. All connectors are clearly labelled.
4. If the 801 unit is to be operated by a user using a MediaStar Infra-Red (IR) remote control (part number 713, ordered separately), either:
 - a) Ensure the built-in IR receiver on the side of the 801 unit is visible, or
 - b) Connect the 3.5mm jack of the external IR receiver to the 801 unit and mount it in a visible position, facing away from the screen. If necessary, the external IR receiver cable can be extended up to 10m using a standard 3.5mm 4 pole male to female extender cable.
5. Power-on the 801 unit using the external mains-DC Power supply or via the CAT5E network cable if using 802.3at Power-over-Ethernet (PoE+).

When powering with the mains/DC power supply:

- a) The external mains/DC power supply input rating must meet the specifications of the mains supply at the installation location. Only use the power supply provided with this equipment.
- b) This device must be installed using a mains (AC supply) plug and socket that is located near the equipment, that remains operable and be easily accessible to disconnect the unit in the case of an emergency. Insert the DC jack plug of the mains/DC power supply unit into the jack socket on the 801 unit. Plug in the mains/DC power supply unit, switch on and check that the status indicator LED on the 801 unit is lit. Connect the 801 unit to a local network port with a CAT5E patch cable.

When powering using PoE:

Connect the 801 unit to the network using a CAT5E cable. The 801 unit will then negotiate a power supply connection with the PoE power supply equipment.

Check the status LED on the 801 unit is lit.

6. The LEDs on the network connector will illuminate to indicate there is a valid network connection. The 801 unit is supplied with DHCP enabled, so it will automatically negotiate an IP address with a DHCP server (if available). The IP address assigned is shown in on-screen setup menus. The 801's MAC address is printed on the part number label on the rear face of the unit and in on-screen menus.

To configure a static IP address, use an IR remote control to show the on-screen setup menus. Press the menu (or home) button to show the Media list and then use the arrow up cursor key to show the setup menus. Navigate to the Advanced/Configuration-Configure Network-IP address setting menus to set the IP address details. Ensure that all static IP address details (netmask, gateway etc.), are in accordance with the settings provided by the network system administrator.

7. Once the 801 unit is connected on the network, its advanced configuration options may be set using a networked computer running a standard web-browser. In the web browser (Edge, Chrome, Firefox, Safari) enter the IP address of the 801 unit into the navigation address bar. The browser will show the configuration web pages from the 801 unit, starting with the specification page. It is recommended that the following (minimum) settings are configured at time of installation:

Unit name (in Operating Mode menu) – This should reflect the physical location of the unit, preferably in line with a system-wide naming convention. This name of the unit will be the primary identifier shown in the Media Manager software.

Date/Time – For most accurate timekeeping, configure the unit to use a corporate or internet NTP time server (a commonly used internet time server is pool.ntp.org). If this is not available, set the date and time manually in the configuration menus. The date/time will be retained and updated throughout a power outage.

8. The media shown on the display is configured from the Media Manager software. When the Media Manager server software is installed and running, it should automatically detect a new 801 unit and create a new 'icon' for it. Media can then be assigned to the 801 unit by 'dragging and dropping' live streams, stored files etc. onto the appropriate 801 unit icon. The 801 unit will then be instructed to download locally stored content and provide user access the specified live TV channels.

If the 801 unit is not automatically recognized by the Media Manager software, then in Media Manager, manually create an 801 icon, by right-clicking on the workspace and selecting the Create/Endpoint/801 option. This allows the IP address of the 801 unit to be manually specified, so Media Manager can then connect directly to the 801 unit. **It is essential for the 801 unit to be able to communicate with a Media Manager server** to configure the user selectable media.

Further setup and compliance information can be found at www.Uniguest.com/Mediastar

1. The operating modes of this product: Standby mode, Shutdown mode, and Restart mode. Press the red button on the remote control (less than 1 second) to enter into Standby mode immediately. In the setting, it can choose the time to enter into Standby mode, which default is 5 minutes. Long press the red button on the remote control (more than 2 seconds), the screen will display shutdown and restart to option, click to shutdown with the mouse.

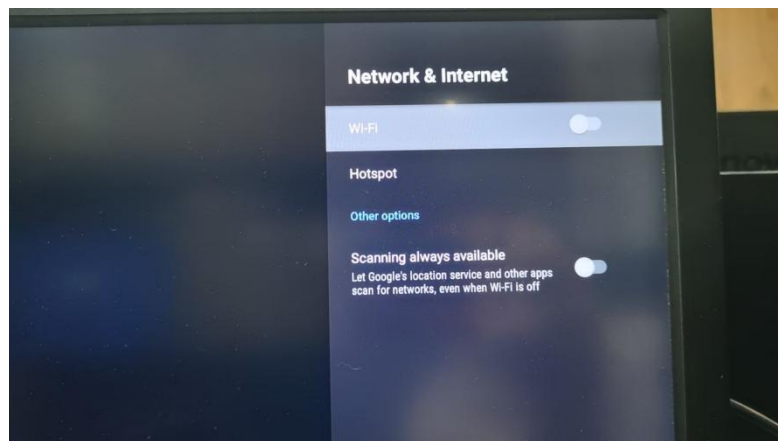
2. Power consumption in Standby mode is less than or equal to 0.5W, and power consumption in Shutdown mode is less than or equal to 0.3W

3. Connect the Ethernet cable to the RJ45 interface, which can achieve wired network connection. And for wireless WIFI connection, turn on WiFi in the settings, and the system will automatically search for WIFI. Enter the WIFI password to connect to the wireless network.

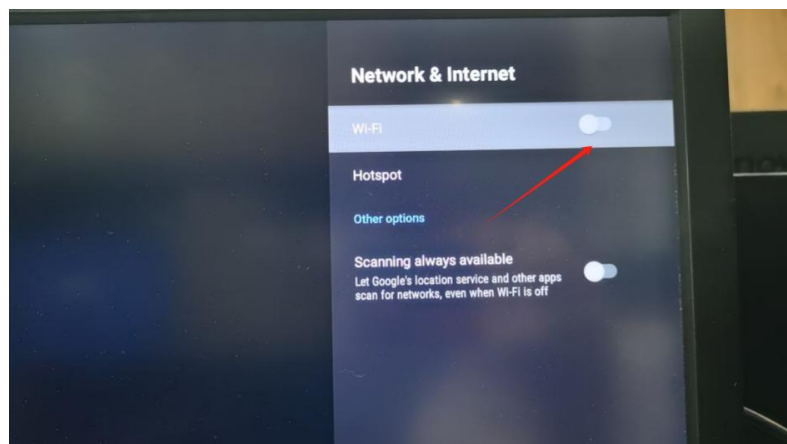
WiFi and Bluetooth instructions:

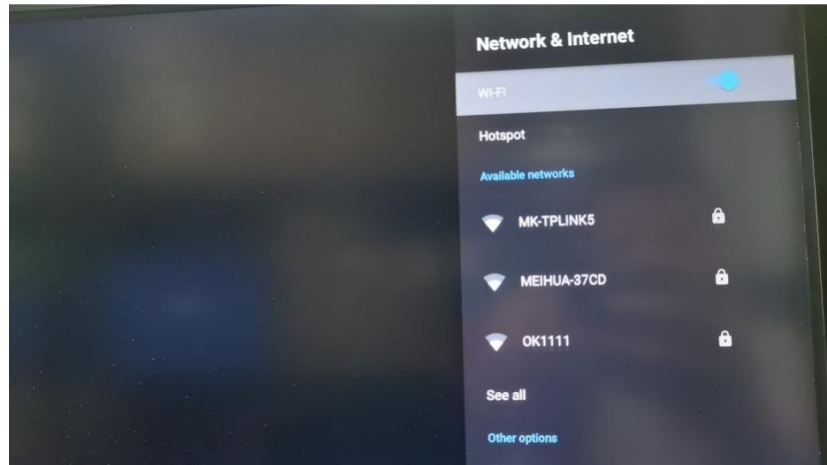
(1) Wifi connection:

① Please select Network Setting

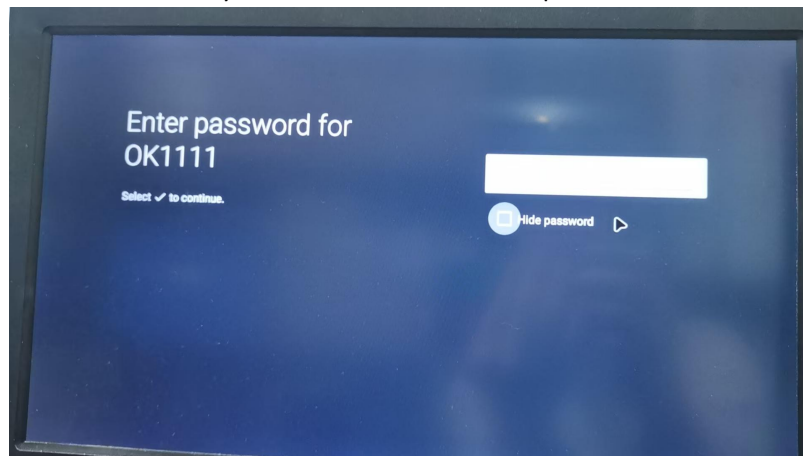


② Then please toggle on the WiFi icon

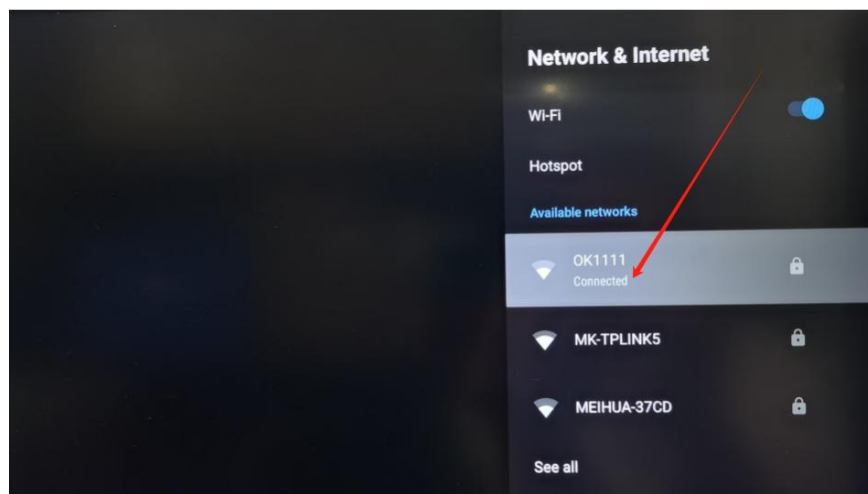




③ And then please select the WiFi you want to connect and its password

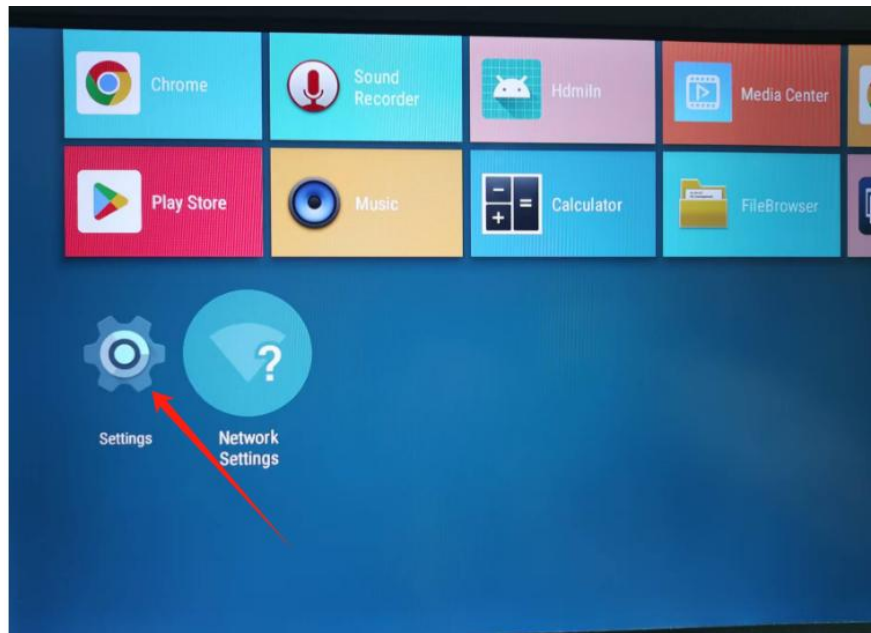


④ Then you will see the following words "Connected"

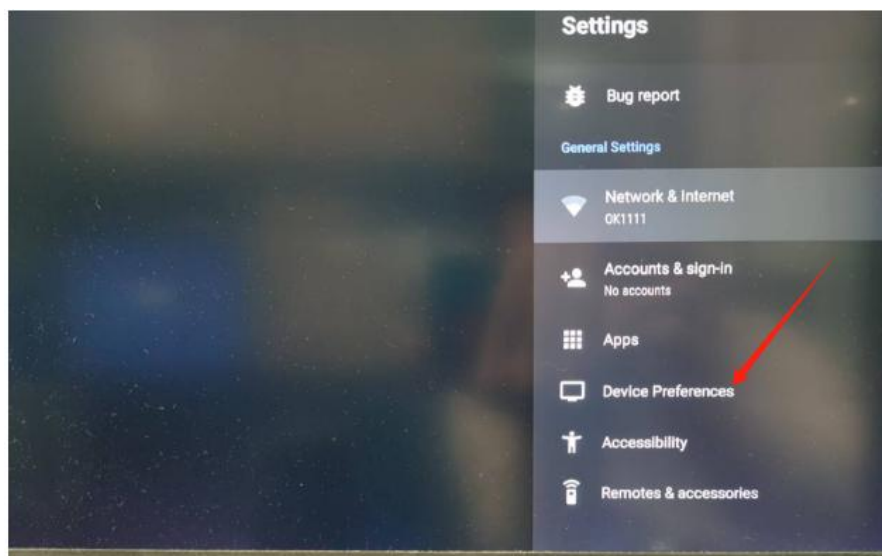


(2) Bluetooth connection

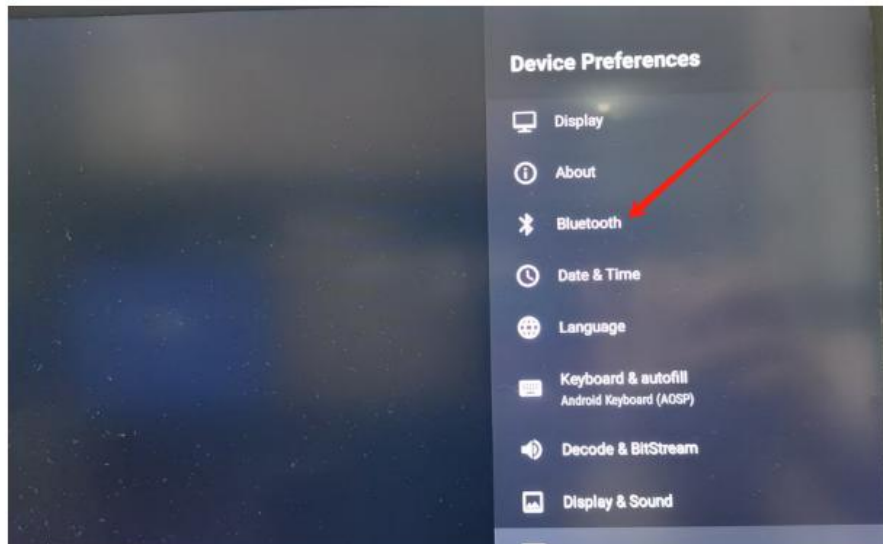
① Please go to "Settings"



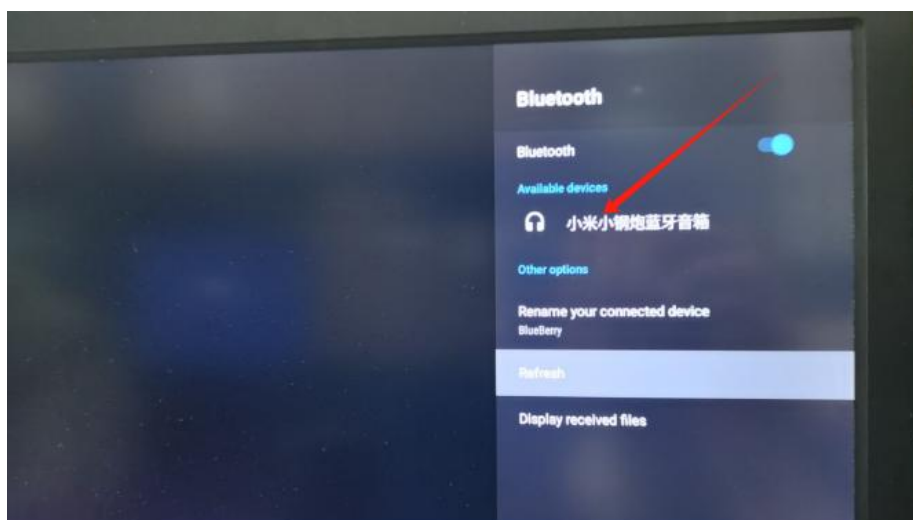
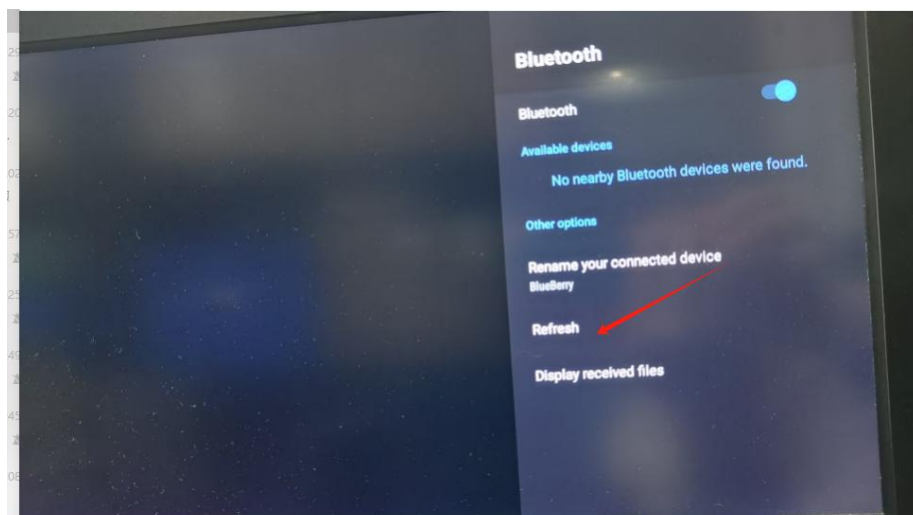
② And then choose “Device Preferences”



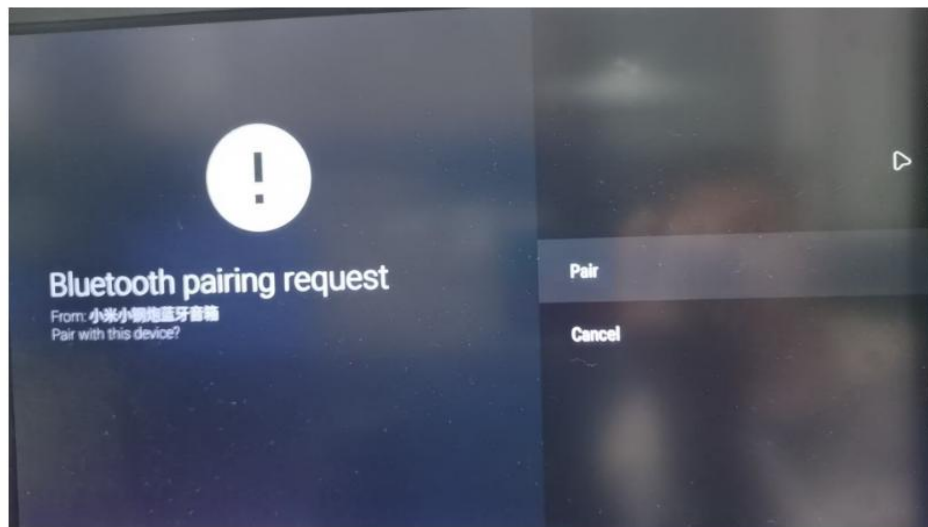
③ And then choose “Bluetooth”



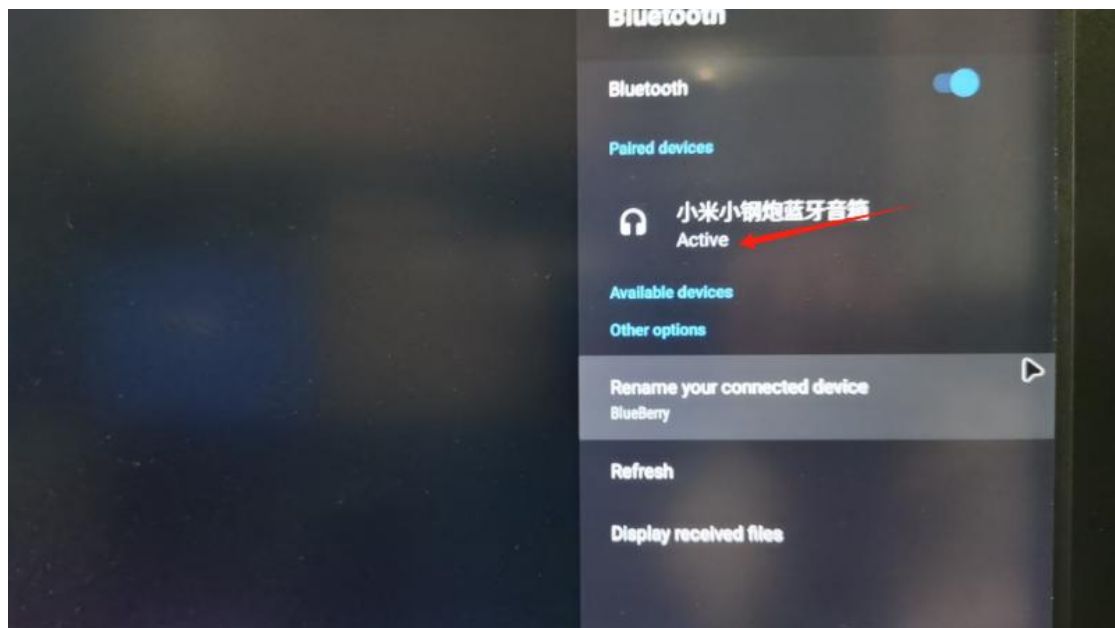
④ Open your own Bluetooth client, such as a Bluetooth speaker, and then click "Refresh" on the current settings page to scan for surrounding Bluetooth devices. Then you can see that the Bluetooth speaker has been discovered;



⑤ Click to select the Bluetooth client speaker device we want to connect to, and then click "Pair" to pair and connect via Bluetooth;



⑥ The Bluetooth connection is successful as shown in the following figure;



Technical Specifications

DIMENSIONS	17.0 x 9.5 x 3.0 cm / 6.7" x 3.75" x 1.2"
WEIGHT	0.36 Kg / 0.8 lbs
AMBIENT OPERATING TEMPERATURE	0 - 40°C / 32 - 104°F
POWER SUPPLY	AC mains adapter: 100-240VAC, 47-63Hz Output: +12VDC (+/- 5%), 2.0 Amps, with a DC jack plug (centre positive voltage, 4.0/1.7mm) diameter)
	Power over Ethernet: 802.3at class 4 device (24W max)
	Unit Power dissipation: 7W average
NETWORK	RJ45 802.3 100/1000 Base-T Auto MDIX
	Static or DHCP IP address
	UDP, TCP, ARP, DHCP, ICMP, IGMP V2/V3, HTTP, HTTPS, SNMP, SMTP, NTP
VIDEO OUTPUT	HDMI HDMI 2.1, std. resolutions up to 2K (1080p50/60) or 4K (2160p50/60)
AUDIO OUTPUT	HDMI PCM stereo, digital bitstream
USB	1 x USB C, 1 x USB3, 500mA current draw
	Mouse, Keyboard, HID compatible, USB memory keys used for local media load and secure software upgrades
RS232 OUTPUT	9 – way D RS232 port for screen control
IR RECEIVER	Integrated 38KHz modulated IR receiver module. External remote IR receiver
INTERNAL STORAGE	32GB. 22GB available for internal media storage
PROCESSOR	Octal ARM processor, Neural network acceleration engine, Linux OS
VIDEO DECODING	MPEG2, H263, H264, H265, VC-1, VP8, VP9, MVC, AV1 files, JPEG and UDP MPEG2-TS streams
AUDIO DECODER	MPEG2-II, HE-AAC LC
SUBTITLES	DVB subtitles, Teletext, Closed Captions
ON-BOARD WEB BROWSER	HTML5 compatible, Chromium based
MEDIA MANGER COMPATIBLE	Fully configurable with Media Manager or Tripleplay software
PROOF OF PLAY	Media playout logs, downloadable via on-board webpage or emailed from 801 unit to destination via external SMTP server

Compliance



Cabletime Limited (trading as MediaStar Systems) declares this equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules Subpart B (15.107, 15.109). These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment.

This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

This device complies with part 15 of the FCC Rules.

Operation is subject to the following conditions:

- This device may not cause harmful interference, and
- This device must accept any interference received, including interference that may cause undesired operation.



Correct disposal of this product

This marking on the product, accessories, or literature, indicates that the product and its electronic accessories should not be disposed of with other household waste at the end of its working life.



This product is covered by one or more claims of the HEVC patents listed at patentlist.accessadvance.com

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www.Uniguest.com/Mediastar

*** SIMPLIFIED EU DECLARATION OF CONFORMITY**

Hereby, Cabletime Limited declares that the radio equipment is in compliance with Directive 2014/53/EU. The full text of the EU declaration of conformity is available at our official website.

*** Wireless technology frequency band and power information**

Frequency range		Max. transmission power/dBm
2412 - 2472 MHz	2.4G WIFI	<20
5180 - 5320 MHz	5G WIFI	<23
5500 - 5700 MHz	5G WIFI	<23
2402 - 2480 MHz	Bluetooth	<10

*** 5G indoor use warning signs and restricted use labels:**

According to Article 10 (10) of Directive 2014/53/EU, the packaging shows that this radio equipment will be subject to some restrictions when placed on the market in Belgium (BE), Bulgaria (BG), the Czech Republic (CZ), Denmark (DK), Germany (DE), Estonia (EE), Ireland (IE), Greece (EL), Spain (ES), France (FR), Croatia (HR), Italy (IT), Cyprus (CY), Latvia (LV), Lithuania (LT), Luxembourg (LU), Hungary (HU), Malta (MT), Netherlands (NL), Austria (AT), Poland (PL), Portugal (PT), Romania (RO), Slovenia (SI), Slovakia (SK), Finland (FI), Sweden (SE), Turkey (TR), Norway (NO), Switzerland (CH), Northern Ireland (UK (NI)), Iceland (IS), and Liechtenstein (LI).

The WLAN function for this device is restricted to indoor use only when operating in the 5150 to 5350 MHz frequency range.

*** Product Usage Distance Warning**

The device complies with RF specifications when the device is used at 20 cm from your body.

*** Software version**

801-linux-buildroot-os-20250319

*** Federal Communications Commission Statement**

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.

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 the 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.
- To maintain compliance with FCC's RF Exposure guidelines, This equipment should be installed and operated with minimum 20cm distance between the radiator and your body: Use only the supplied antenna.

*** The device is going to be operated in 5150~5250MHz frequency range. It is restricted indoor environment only.**

Compliance Statement of Innovation, Science and Economic Development Canada (ISED)

This device complies with Innovation, Science and Economic Development 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.

This Class B digital apparatus complies with Canadian ICES-003. CAN ICES-3(B)/NMB-3(B)

Canada: 5.150-5.250 GHz, indoor use only.

Déclaration de conformité de Innovation, Sciences et Développement économique Canada (ISED)

Le présent appareil est conforme aux CNR d'Innovation, Sciences et Développement économique Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes : (1) l'appareil ne doit pas produire de brouillage, et (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

Cet appareil numérique de la classe B est conforme à la norme ICES-003 du Canada. CAN ICES-3(B)/NMB-3(B)

Canada: 5,150 GHz - 5,250 GHz, utilisation en intérieur uniquement.

This equipment complies with IC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance of 20 cm between the radiator and your body.

Cet équipement est conforme aux limites d'exposition aux rayonnements de la IC établies pour un environnement non contrôlé. Cet équipement doit être installé et fonctionner à au moins 20 cm de distance d'un radiateur ou de votre corps.