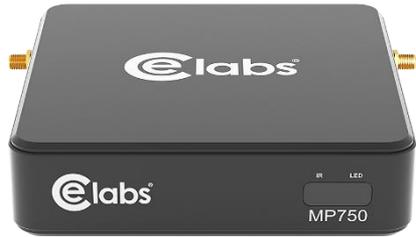# MP750
UHD Media Player
Quick Start Guide

This guide will explain the basic connection and operation of the MP750. For full details on operation, refer to the MP750 manual at www.celabs.com.

Unpacking:

The box should contain the following items:
- MP750 Media Player
- Universal 12 VDC Power Supply
- Quick Start Guide
- HDMI cable
- 2 Antennas
- IR Remote with batteries
- Optional item(s) ordered at time of purchase.

Typical Connections:

The MP750 can drive a wide variety of displays at up to 4K resolution at bit rates in excess of 50 Mbps. Content may be stored in a removable Micro SD or use the 16GB of internal flash memory. Connect the following cables to operate the unit.

Display cable
- o   HDMI Out - Use a good quality HDMI cable to connect between the MP750 and the intended display. The HDMI cable length should generally be less than 10 feet in length for best operation.
- o   HDMI In – Connect the desired Video Source via HDMI cable to the HDMI IN port. Control of this function is found in our QuickSign software. Add a Layout and use the HDMI IN zone to scale where you wish.

Audio cable – The audio output is integrated into the HDMI signal. No other audio connectors are used.
Network cable – Certain operations require a network connection in order to implement. Connect an Ethernet cable between the MP750 and a local Ethernet switch. Alternatively, you may connect the player to a Wi-Fi network by configuring the Wi-Fi parameters in Settings. The Wi-Fi antennas must be connected for this option.
Insert the DC power plug into the MP750. Plug the power supply into a 120VAC outlet.

USB - 2 USB ports are available for auxiliary devices as well as USB drives.

Please wait for approximately 30 seconds until the unit completes the boot-up process. The first time the unit is connected to power, it will initiate setup page to guide the user on configuring the unit.

If default startup content has been defined and content is on the local storage medium, the unit will begin to display content automatically.
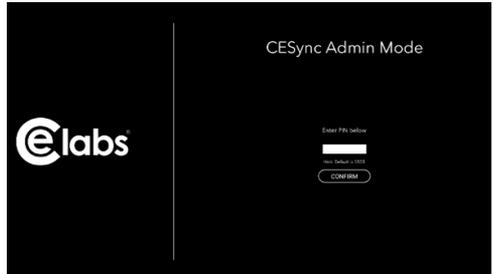
Menu:

When the MP750 is first connected, it will present an Out of Box experience to guide the user through the setup process. This will allow you to configure Language, Time, Network Parameters, etc.

The user will also be given an opportunity to activate and register the player.
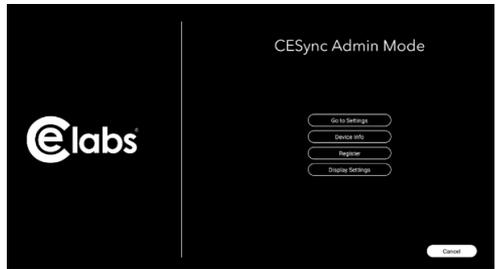
If the unit is configured as a CE Sync Partner device, it will automatically download the appropriate application for this installation.

Should the user require additional information about the unit or to change any settings, the CE Sync Admin Mode may be entered by clicking the left mouse button 3 times and entering the access code (5555). Alternately, the user may press the "OK" button 3 times on the IR remote to bring up the Admin page. If the MP750 is presently running another application, it will be necessary to press RETURN on the remote or right mouse click in order to leave the application. Quickly press the IR remote or mouse buttons to enter Admin mode.

Network Setup:

The MP750 is shipped with DHCP enabled. You can change to a fixed IP address via the Player Settings menu. You will need a USB mouse or IR remote in order to access the

Specifications

Features include our most advanced connectivity I/O package with 4k HMDI Input, gigabit ethernet, USB Type-C, USB 3.0 and 2.0, dual Wi-Fi, and 16GB internal memory.

- **Performance:** Quad Core Processor w/Dual GPU 2GB DDR4 RAM
- **Storage:** 16GB Internal Storage, Expandable Micro SD
- **Video Output:** HDMI 2.0, 4Kx2K@60Hz, HDR10 & HLG
- **Video Input** HDMI 2.0, 4Kx2K@30Hz, HDR10 & HLG
- **Networking:** 802.11.AC Wi-Fi w/Dual Antennas, Gigabit Ethernet
- **I/O Ports:** USB Type-C / 3.0 / 2.0
- **Media Codecs:** H.265 HEVC, VP9 Profile 2, AVS2, AVS-P16
- **Control:** CESync, Android APK
- **Rating:** 24/7 Operation

- **Resolution** 3840 x 2160

- **OS** ANDROID 10

IMPORTANT SAFETY INSTRUCTIONS

1. Read these instructions.
2. Keep these instructions.
3. Heed all warnings.
4. Follow all instructions.
5. Do not use this apparatus near water.
6. Clean only with dry cloth.
7. Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
8. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that product heat.
9. Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where the exit from the apparatus.
10. Only use the attachments/accessories specified by the manufacturer.
11. 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.
12. Unplug this apparatus during lightning storms or when unused for long periods of time.
13. 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: To Reduce the Risk of Fire Or Electric Shock, Do Not Expose This Apparatus To Rain Or Moisture
CAUTION: To reduce the risk of electric shock, do not remove cover or back. There are no user serviceable parts inside. Refer servicing to qualified personnel.

The media player should be located in a well-ventilated air-conditioned space for best operation. The overall dimensions of the units are 5.4" x 5.4" x 1.6".

The unit has ventilation holes on the side of the chassis. Theses should remain uncovered during operation. There are ventilation openings on the bottom of the chassis, so the rubber feet should not be removed.

FAQ / Troubleshooting Tips:

1. **How do I set up Wi-Fi access for the player?**
   a. Connect the player to a monitor and plug into power. Follow the on screen instructions.
   b. If the player has already completed the Out of Box experience one time, you may left click an attached USB mouse 5 times to bring up an ADMIN page. Enter the code 5555. Click on Go to Settings and you will have access to the Wi-Fi menu.

2. **There is no video or audio on the monitor.**
   a. Make certain the unit's Green Power LED is on.
   b. Check video cable connections and input settings on monitor.
   c. Use your partner control application to determine the player status. Does it have content assigned and scheduled?

3. **The player does not appear in my partner application device list or shows off-line.**
   a. Check the Ethernet LEDs to see if they are active. Verify network cable is securely inserted.
   b. Make certain the player has a valid IP address.
   c. If using Wi-Fi, verify antennas are securely attached. Check the signal strength and verify unit has valid IP address.
   d. If installed in a secure location, verify control software domain has been whitelisted by the company IT department.

4. **How do I change video resolution?**
   a. The MP750 will generally be shipped with the Display Resolution setting in the AUTO mode. This will negotiate the proper resolution for your monitor. If you need a different resolution, it may be changed under the Android Settings.
   b. Open the CE Sync Admin panel (see instructions above).
   c. Click on Settings, Display and then Advanced. Click on HDMI, then Resolution to see a list of available resolutions.
   d. Select the desired resolution and say KEEP. Right click the mouse to get to exit.

SPECIFICATIONS

FEATURES

Input HDMI 2.0 (4K/30), including HDCP encryption
Output HDMI 2.0 (4K/60)
Hex Core Processor (Dual-A72+QuadA53)
GPU – 2GB – Mali-T860, OpenGL ES3.1, Open CL, and DirectX 11.1
16GB Internal Memory
Gigabit Ethernet / 1 RJ-45
Internal Wi-Fi 802.11 a/b/g/n/ac with Dual Antennas
Real Time Clock
HTML5 Full Support
HDR 10 & HLG
CESync Software
USB Type-C for expanded features
TF socket for additional storage
Commercial-Grade for Optimized 24/7 play operation
Connect interactive devices
IP Streaming: play streaming media
Mosaic Mode: multiple video zones

VIDEO / PICTURE CODEC

VP9 Profile-0 up to 4Kx2K@60fps
H.265 HEVC MP-10@L5.1 up to 4Kx2K@60fps
AVS2–P2 Profile up to 4Kx2K@60fps
H.264 AVC HP@L5.1 up to 4Kx2K@30fps
MPEG-4 ASP@L5 up to 1080P@60fps (ISO-14496)
WMV/VC-1 SP/MP/AP up to 1080P@60fps
MPEG-2 MP/HL up to 1080P@60fps (ISO-13818)
MPEG-1 MP/HL up to 1080P@60fps (ISO-11172)
Multiple language and multiple format sub-title video support
Image Formats: TIFF, JPEG, GIF, PNG, WEBVTT, RokuBif, WebP

VIDEO FORMATS

MP4 (mp4, m4a, m4v, f4v, f4a, m4b, m4r, f4b, mov)
MOV, WMV, WEBM, MKV, FLV, AVI, HDV, MXF, AVCHD, LXF, VOB
3GP (3gp, 3gp2, 3g2, 3gpp, 3gpp2), OGG (ogg, oga, ogv, ogx)
MPEG-TS, MPEG-2 PS, MPEG-2 TS
MPG, MP2, MPEG, MPE, MPV

AUDIO FORMATS

MP3, AAC, AC3, EAC3, WMA, RM, FLAC, OGG, PCM,
Atmos(passthrough)
Programmable with 7.1/5.1 down-mixing
SPDIF supports 192KHz 16/24/32bit stereo

I/O PORTS

HDMI 2.0 Input
HDMI 2.0 Output
Gigabit Ethernet
Coaxial Power Jack, 12Vdc
External Micro SD Socket (SDHC or SDXC)
Dual SMA Jacks for Wi-Fi Antennas
RS-232, 3.5mm Jack
USB Type-C x 1
USB 3.0 Type x 1
USB 2.0 Type x 1
Internal IR Receiver
LED Indicators for Power, Status, LAN

NETWORK

Integrated 802.3 10/100/1000M Ethernet MAC with RGMII interface
IP, TCP, UDP, ICMP, ARP, DHCP, HTTP, RTP, RTSP, NTP, DNS

ACCESSORIES

Power Adapter, 100-240Vac 50/60Hz, 12Vdc/1500mA, EL VI, UL
IR Remote w/2 AAA Batteries
2 Wi-Fi Antennas
HDMI 2.0 High Speed Cable
Quick Start Guide

MISCELLANEOUS

Dimensions (H) 1.5", (W) 5.3", (D) 5.3" / 38.1 x 134 x 134 mm
Weight 0.9 lbs. / 0.4 kg
Operating Temp & Humidity 0-40C, 80% Max Rel. Humidity
Hybrid Aluminum/Plastic High Strength Chassis

OPTIONAL FEATURES (Add-On)

USB Button Control Pad
MicroSDXC Class 10 Cards (Various Capacities)

WARRANTY: *3 year warranty, parts and labor.

CE labs can support many areas of your video playback and distribution needs. We manufacture UHD media players, Digital Signage Solutions, HDTV compatible Video Scalers, UHD distribution amplifiers, and cables of all types.

See our full product line at www.celabs.com.

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