



User Manual

HDMI Media Streaming | QS02

V1.01

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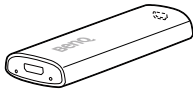
Table of contents

Copyright	2
Introduction	5
Package contents	5
Overview	6
QS02 dongle	6
Remote control.....	7
LED indicator on the remote control	9
Getting started	10
Placing the remote control batteries	10
Remote control effective range.....	10
Connection and pairing with a bundled projector	10
Connection and pairing with a projector purchased separately	12
Control of projector and dongle with one remote control	14
Adding a new remote control	14
Android TV home screen	15
Screen casting	16
Screen casting from an iOS/macOS device	16
Screen casting from an Android device (via Chromecast built-in™)	17
Screen casting from a PC (via Chromecast built-in).....	18
Working as a USB reader	18
Updating your dongle	19
Restoring to factory default settings	19
Specifications	20

Introduction

The QS02 dongle may be bundled with your projector or sold separately. Available package contents and connection procedures vary by the way the product is provided.

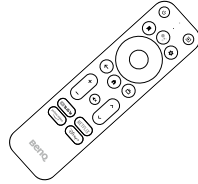
Package contents



QS02 dongle



Quick start guide &
Regulatory statements

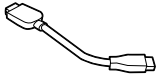


Remote control for QS02 dongle
(Model name: C008)*



Warranty card
(Varies by country/region)

(Provided when the product is sold separately. Availability may vary by country/region.)



HDMI adapter
(For video input)



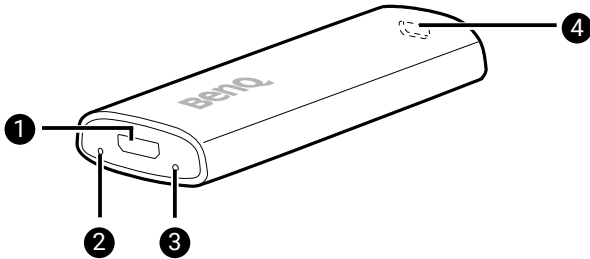
USB splitter cable
(For power supply)

Note

- *: Availability may vary by country/region.
- Available accessories and the pictures shown here may differ from the actual contents and the product supplied for your region.

Overview

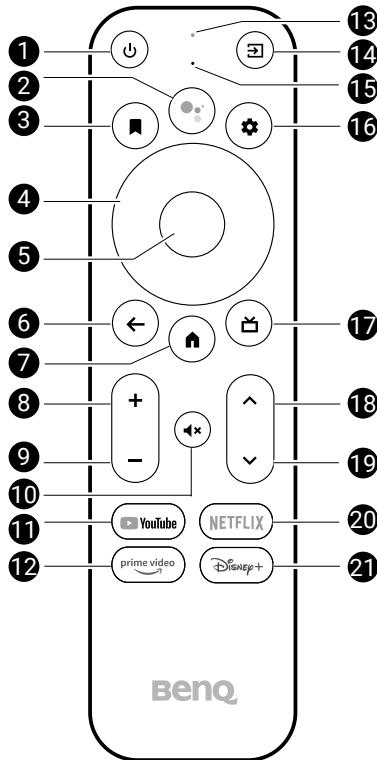
QS02 dongle



No.	Item	Descriptions
①	Micro USB port	Connects to the projector's USB port (or a standard adapter head) via the USB splitter cable to supply the dongle with power.
②	Service port	(Service only) Press to disconnect all paired Bluetooth devices. Pairing instructions will be displayed then.
③	LED indicator	Lights up blue when power is supplied.
④	Mini HDMI port	Connects to a display. Use of the HDMI adapter may be required.

Remote control

Applicable for C008 only. Availability of C008 may vary by country/region.





No.	Item	Descriptions
1	Power	Toggles the projector between standby mode and on (after initial power up from the keypad).
2	Google Assistant	Press the Google Assistant button on your remote to talk to Google.
3	Watchlist	Shows a list of options to open/move the selected app or add it to favorites.
4	Arrow keys	Moves through the menu items or toggle through the available options. When the On-Screen Display (OSD) menu is activated, these keys are used as directional arrows to select the desired menu items and to make adjustments.
5	OK	Confirms the selection.

No.	Item	Descriptions
6	Back	Returns to the previous menu.
7	Home	Returns to the home screen.
8	Volume up	Increases the volume.
9	Volume down	Decreases the volume.
10	Mute	Toggles the projector's audio on or off.
11	YouTube	Opens the YouTube app.
12	Prime video	Accesses Prime Video. A registered account is required.
13	LED indicator	Shows the status of the QS02 dongle. See LED indicator on the remote control on page 9 for more information.
14	Input	Selects an input source.
15	Microphone	Speak into the microphone on the remote control after pressing the Google Assistant button to control your TV with your voice.
16	Settings	Access QS02 Settings.
17	Open Live TV EPG	Open Live TV EPG. A Google account is required.
18	Channel up	Goes to the next channel.
19	Channel down	Goes to the previous channel.
20	Netflix	Accesses Netflix. A registered account is required.
21	Disney+	Accesses Disney+. A registered account is required.

LED indicator on the remote control

Applicable for C008 only. Availability of C008 may vary by country/region.

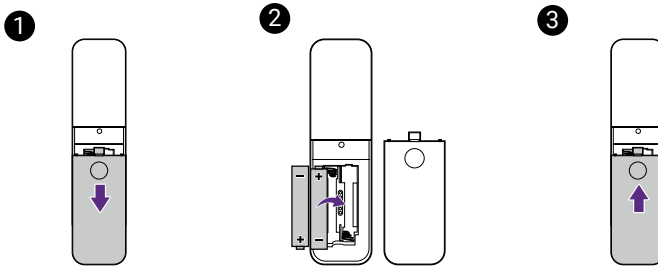
Scenario	Status	LED indicator
Bluetooth pairing	Pairing enabled by pressing and holding the  and the  buttons at the same time for 10 seconds	Green - solid
	Waiting for pairing and connecting	Green - flashing
	Connected successfully	N/A
	Pairing failed	Red - flashing 4 times
Using Google Assistant	Press the Google Assistant button to talk to Google	Green - solid or flashing
Sending IR signal to control your projector	Pressing one of the following IR learning keys: <ul style="list-style-type: none">• Power• Volume up• Volume down• Mute• Input	Red - flashing once
	Pressing any of the keys that is not IR learning key	Green - flashing once

Getting started

Placing the remote control batteries

Applicable for C008 only. Availability of C008 may vary by country/region.

1. Slide to open the battery cover.
2. Insert two AAA batteries (purchased separately) to the battery compartment as illustrated. Make sure that the positive and negative ends are positioned correctly.
3. Replace the battery cover.



Remote control effective range

Applicable for C008 only. Availability of C008 may vary by country/region.

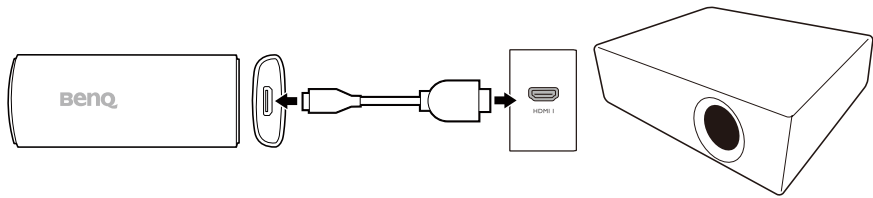
Effective angle: within 30 degrees

Effective range: within 8 meters (~ 26 feet)

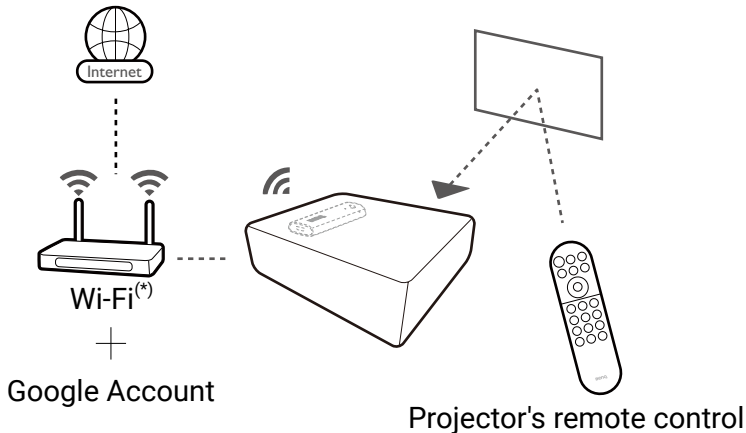
Make sure that there are no obstacles between the remote control and the IR sensor(s) on the dongle or projector that might obstruct the infra-red beam.

Connection and pairing with a bundled projector

1. If the QS02 dongle came with a BenQ projector, refer to the quick start guide or user manual of the purchased projector for the specified HDMI port to install the dongle.
2. A micro USB cable should be available next to that HDMI port to supply power to the dongle. Make sure to connect the USB cable to the micro USB port on the dongle.



3. Once the dongle has been installed properly, power on the projector and follow the on-screen instructions to complete the initial setup with the projector's remote control.
4. Not all settings are required to complete the initial setup. However, you are required to connect to a wireless network^(*) and sign in with your Google Account to proceed.
5. When you are asked to set up your remote, select **Not now**.
6. Once the initial setup is complete, the Home screen is displayed. See [Android TV home screen on page 15](#) for more information.



Tip

If the projector's remote control has been paired with the QS02 dongle during initial setup process, you can add other remote controls to control the projector or the dongle. See [Adding a new remote control on page 14](#) for more information.

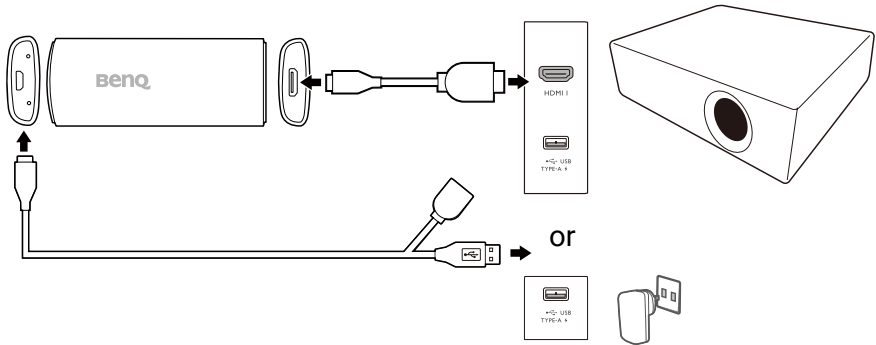
Note

*: Do not connect to a mobile hotspot during initial setup. There may be data usage limit that keeps your dongle from downloading some preset apps.

Connection and pairing with a projector purchased separately

If the QS02 dongle is purchased separately, install the dongle to the projector properly before powering on the projector.

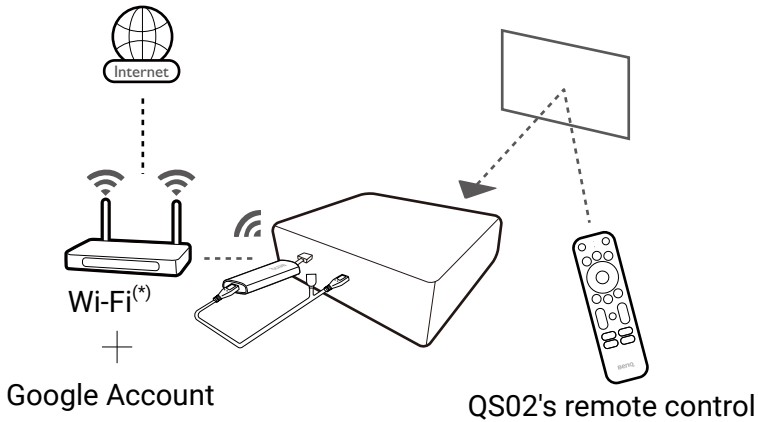
1. Install the dongle to the HDMI port on the projector via the HDMI adapter supplied with the dongle.
2. Supply power to the dongle using the supplied USB splitter cable. You can either connect the dongle to the USB type-A port labeled with the USB TYPE-A 5V/1.5A symbol on your projector (if available) or to a power adapter (purchased separately). Make sure the power outlet is able to provide 5V/1A power.



Note

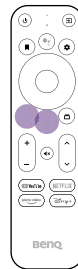
If you want to work with a new learning remote, supply power to the dongle with a power adapter (purchased separately).

3. Once the QS02 dongle has been installed properly, power on the projector and follow the on-screen instructions to complete the initial setup with the dongle's remote control.



4. Press and hold the and the buttons on the remote control at the same time for 10 seconds for pairing.

10
seconds



5. Not all settings are required to complete the initial setup. However, you are required to connect to a wireless network^(*) and sign in with your Google Account to proceed.
6. When you are asked to set up your remote, select **Not now**. This is an optional step. If you skip the setup now, you can still operate the projector and the dongle normally with the remote controls came with the products respectively. You can always set up later as instructed in [Control of projector and dongle with one remote control on page 14](#).
7. Once the initial setup is complete, the Home screen is displayed. See [Android TV home screen on page 15](#) for more information.

Tip

To navigate the projector's menus and access its functions, you need to work with the remote control came with the projector. If you wish to access services or apps from the Android TV™ (ATV) home screen, use QS02's remote control.

Note

*: Do not connect to a mobile hotspot during initial setup. There may be data usage limit that keeps your dongle from downloading some preset apps.

Control of projector and dongle with one remote control

Applicable for C008 only. Availability of C008 may vary by country/region.

To enhance product compatibility, you can set up to control the projector's power and volume with the dongle's remote control. Available functions are determined by Google.

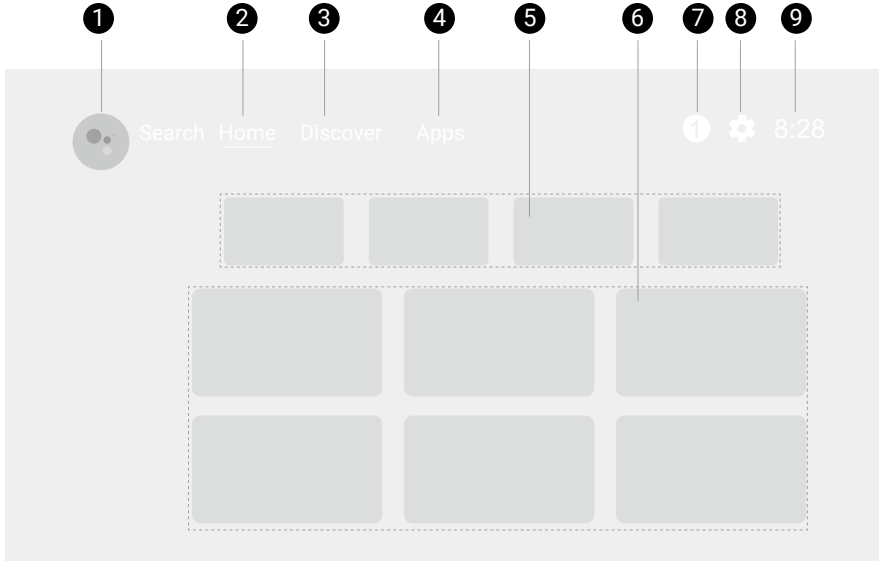
1. Go to **⚙️ > Set up remote buttons > Add device** from the ATV home screen.
2. Select **TV** as your device and **BenQ** when you are prompted to choose your TV brand.
3. Follow the on-screen instructions to check if specific buttons on the remote control work.

Adding a new remote control

A remote control may be supplied with your projector and the QS02 dongle respectively. You can work with a remote control purchased separately. The projector pairs and works with one remote control during initial setup. If you prefer to work with another remote control, add it to the device list first.

1. Go to **⚙️ > Remote and accessories** from the ATV home screen.
2. Select **Add accessory**.
3. Wait for a few seconds until you are prompted with the pairing screen of the ATV's remote control. If you prefer to pair with QS02's remote control, follow the on-screen instructions. If you prefer to pair with another remote control, check its quick start guide or user manual for pairing procedures.

Android TV home screen



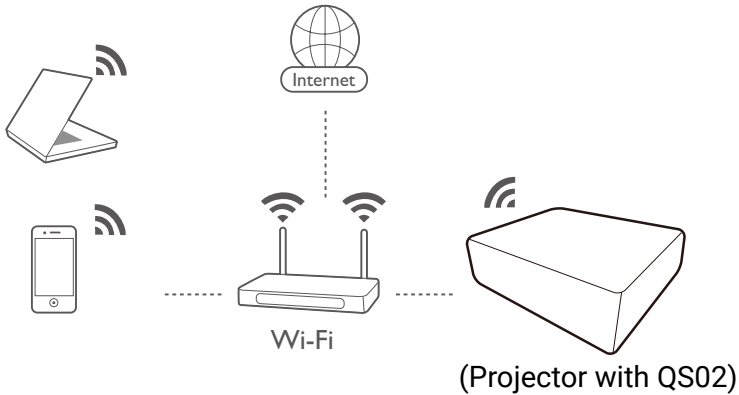
No.	Item	Descriptions
①	Google Assistant	Press the Google Assistant button on your remote control to talk to Google.
②	Home	Access to Home screen.
③	Discover	Access to personalized recommendations.
④	Apps	Access to all the installed apps and Google Play.
⑤	Recommended apps/My favorites	<ul style="list-style-type: none"> • Access to the recommended apps or video on demand services. • Access to the apps that have been added to favorites by the Bookmark key.
⑥	Recommended content	Access to the content recommended by the specified channel/streaming service.
⑦	Notification	Access to notifications.
⑧	Settings	Access to the QS02 settings.
⑨	System time	Displays system time.

Note

The screenshots and user interface in this document are for reference only and may be subject to change without prior notice.

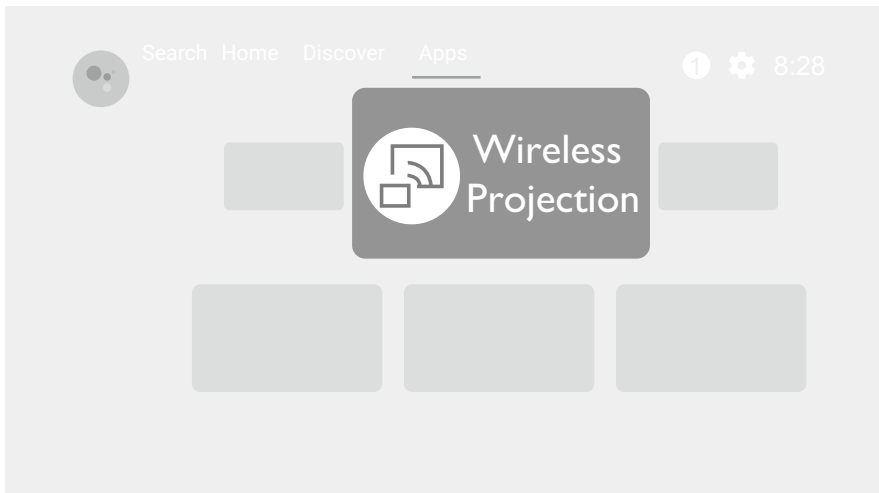
Screen casting

Before you can project wirelessly via the projector you must first connect the projector to a wireless network. Depending on your mobile device, different procedures and options are required. Follow the instructions.



Screen casting from an iOS/macOS device

1. Go to **Apps** from the Android TV Home screen on the projector, and launch the **Wireless Projection for iOS** app.

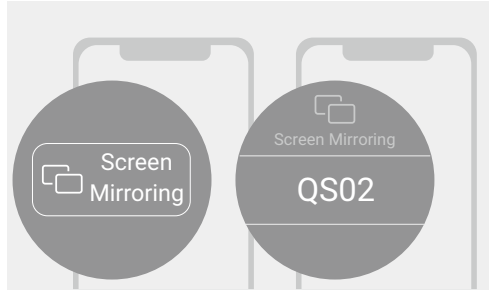


2. Follow the on-screen instructions to grant the access right.
3. Connect your mobile device to the same wireless network as the

dongle.

4. Enable the screen mirroring function from your iOS/macOS device. Available name and access to the screen mirroring function may vary by device. Note that the dongle is named QS02 by default. If you have changed the name, look for the new name from the device list.

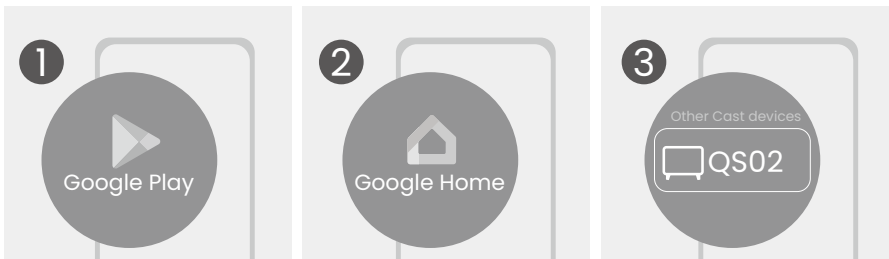
iOS



Screen casting from an Android device (via Chromecast built-in™)

1. Connect your Android device to the same wireless network as the dongle.
2. Go to **Google Play** on your mobile device. Install and launch the **Google Home** app.
3. Follow the on-screen instructions. Select **QS02** (the default name of your dongle) as your cast device from **Google Home** to enable the screen mirroring function from your mobile device.

Android



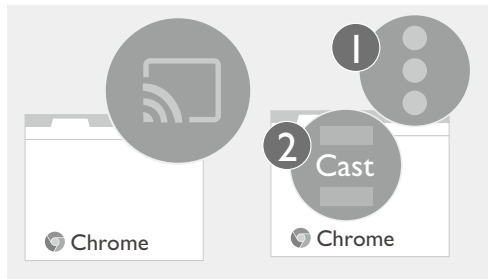
Note

Note that the dongle is named QS02 by default. If you have changed the name, look for the new name from the device list.

Screen casting from a PC (via Chromecast built-in)

1. Connect your computer to the same wireless network as the dongle.
2. Enable the screen mirroring (cast) function from your computer.
Available name and access to the screen mirroring function may vary by program. Note that the dongle is named QS02 by default. If you have changed the name, look for the new name from the device list.

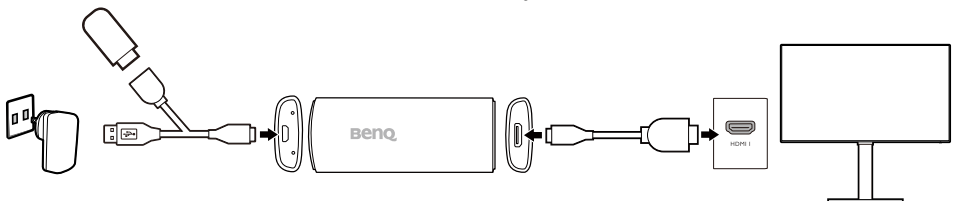
Windows



Working as a USB reader

The QS02 dongle can work as a USB reader to play files stored on a USB flash drive directly when connecting to a display without PC connection.

1. Connect the dongle to the HDMI port on your display via the provided HDMI adapter.
2. Supply power to the dongle by a USB power adapter via the provided USB splitter cable. Make sure the power outlet is able to provide 5V/1.5A power.
3. Connect a USB flash drive to the USB type-A female connector.
4. Switch the input source to USB storage. You are ready to choose the files from the USB flash drive for playback now.




Updating your dongle

To keep your QS02 dongle most up-to-date, you are strongly recommended to upgrade it to the latest firmware version to make the best use of the product.


Keep stable power supply to the Host and Button. Do not remove the power adapter or disconnect the cables.

Do one of the following to update your dongle.

- The update information is provided via Over-the-Air (OTA) technology. You will be notified by a message in the ATV home screen when an update is available. Click **Details** to update as instructed.
- To manually update your dongle, go to  > **Device preferences** > **About** > **System update** from the ATV home screen.

Restoring to factory default settings

Restoring the QS02 dongle to factory default settings will erase everything you set on the dongle, including the account information, the apps you installed, and your preference settings.

1. Go to  > **Device preferences** > **About** > **Factory reset** from the ATV home screen.
2. The operation takes a few seconds to return the dongle to factory default settings.

Specifications

Item	Description	
System	CPU	ARM Quad 64-bit Cortex-A35
	GPU	ARM Mali-G31 MP2 GPU OpenGL ES3.2,Vulkan1.1 and OpenCL2.0
	RAM	DDR4 2GB
	Storage	16GB
	Compatible operating systems	<ul style="list-style-type: none"> • Android™ 4.2 or above • iOS 9.1 or above • macOS® X 10.9 or above • Windows 7 or above
	WiFi	Wi-Fi 6 (2.4G / 5G 802.11 a/b/g/n/ac/ax)
	Bluetooth version	5.0
	HDR	HDR 10, HLG, HDR10+
	Resolution	4K
	Video format	<ul style="list-style-type: none"> • AV1 MP-10@L5.1 up to 4K*2K@60fps • VP9 Profile-2 up to 4K*2K@60fps • H.265/HEVC MP-10@L5.1 up to 4K*2K@60fps • H.264/AVC HP@L5.1 up to 4K*2K@30fps • MPEG-2 MP/HL up to 1080P@60fps
Audio format	<ul style="list-style-type: none"> • AAC-LC & HE-AAC • MPEG-1 Layers 1, 2, 3 • Dolby Digital, Dolby Digital Plus 	
Environment	Power input	DC 5V/1A, through micro USB port
	I/O ports	<ul style="list-style-type: none"> • x1, HDMI 2.1 out, type-C female • x1, micro USB
	Operating temperature	0 ~ 45°C

Item	Description	
Accessory	Remote control	C008 (Availability of C008 may vary by country/region.)
	USB cable	USB splitter cable (type-A male to micro USB type-B male and type-A female)
	Others	HDMI adapter (mini HDMI male to HDMI male)
Dimensions & Weight	Dimensions (W x D x H)	36mm x 89.83mm x 13mm
	Weight	35.5g