



QCast Mirror User Manual

HDMI Wireless Dongle | QP30

V 1.00

Copyright and disclaimer

Copyright

Copyright 2023 BenQ Corporation. All rights reserved. No part of this publication may be reproduced, transmitted, transcribed, stored in a retrieval system or translated into any language or computer language, in any form or by any means, electronic, mechanical, magnetic, optical, chemical, manual or otherwise, without the prior written permission of BenQ Corporation.

All other logos, products, or company names mentioned in this manual may be the registered trademarks or copyrights of their respective companies, and are used for informational purposes only.

Disclaimer

BenQ Corporation makes no representations or warranties, either expressed or implied, with respect to the contents of this document. BenQ Corporation reserves the right to revise this publication and to make changes from time to time in the contents thereof without obligation to notify any person of such revision or changes.

Screen images and icons in this manual are simulated for illustrative purposes only. Actual displays may vary.

BenQ is not responsible for the content of the websites or of similar resources, which are maintained and controlled by third parties, that may be linked from this product. Providing links to those websites or to similar resources does not mean that BenQ makes any warranty or representation to their content by expression or by implication.

Any third party content or service preinstalled in this product is provided "as is". BenQ does not, by expression or by implication, make any warrant to the content or to the services provided by third parties. BenQ does not warrant or guarantee that the content or services provided by third parties are accurate, effective, most up-to-date, legal, or complete. Under no circumstances shall BenQ be liable for the content or services provided by third parties including their negligence.

Services provided by third parties may be terminated temporarily or

permanently. BenQ does not warrant or guarantee that the content or services provided by third parties are in good condition at any time, and is not liable for the termination of the said content and services.

In addition, BenQ is not involved in any transactions you conduct in the websites or similar resources maintained by third parties.

You should contact the content or service providers for any questions, concerns, or disputes.

It is the sole responsibility of the user if problems (such as data loss and system failure) occurred due to non-factory installed software, parts, and/or non-original accessories.

This document aims to provide the most updated and accurate information to customers, and thus all contents may be modified from time to time without prior notice. Please visit Support.BenQ.com for the latest version of this document.

Servicing

Should you have any queries about the product after reading the document, visit the local website from Support.BenQ.com for more support and local customer service.

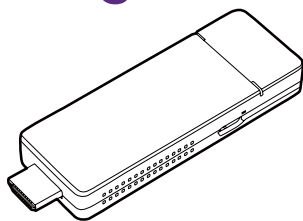


Support.BenQ.com

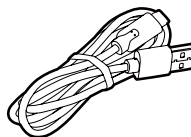
Table of contents

Copyright and disclaimer.....	2
Package contents.....	5
Product overview.....	5
Operating instructions.....	7
Connecting the QCast Mirror to your projector	7
Mirroring the content from your device via a direct connection	10
Mirroring the content from your device via a router	12
The Advanced Settings menu.....	14
Connecting the QCast Mirror to a Wi-Fi router	16
Other advanced settings.....	18
Connected Devices	18
Device Management	19
Network Management	20
Admin Settings.....	22
Reboot.....	24
About Device	24
Product specifications	25
System requirements	26
FAQ	27

Package contents



QCast Mirror HDMI Wireless Dongle



USB-C-to-USB-A Cable

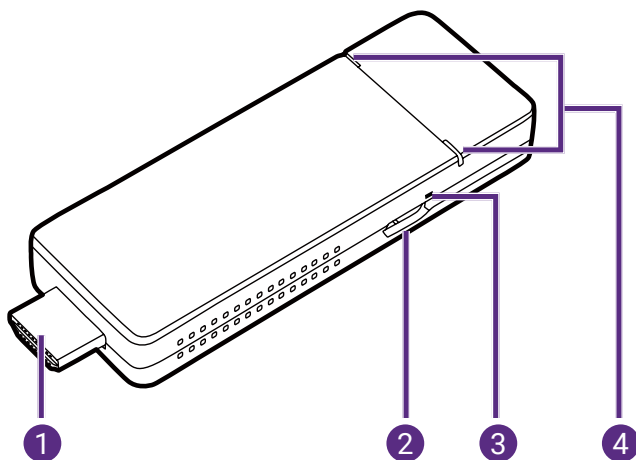


HDMI Adapter Cable



Quick Start Guide

Product overview



1. HDMI Connector

Connects to the projector.

2. USB-C Port

Connects to the projector's USB port (or a standard adapter head) via the USB-C-to-USB-A cable to supply the dongle with power.

3. Reset Button

Press with a fine tipped instrument and hold for 10 seconds to reset

the settings for the dongle.

4. LED Indicators

Lights up blue when power is supplied.

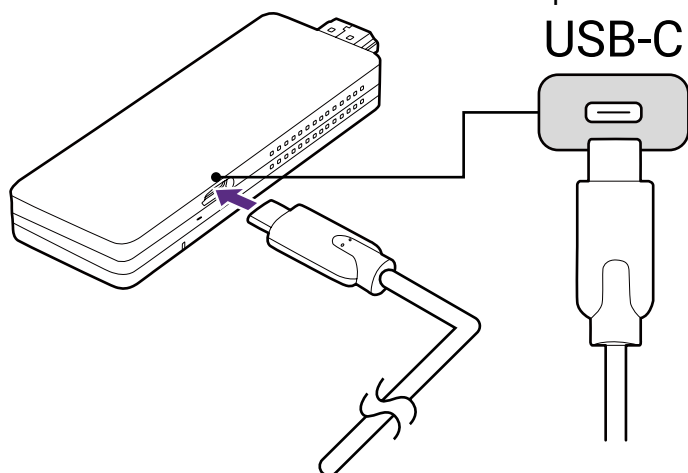
Operating instructions

Connecting the QCast Mirror to your projector

Note

Depending on your device's operating system, different installation procedures and setup are required. Read this document and on-screen instructions (if provided) carefully.

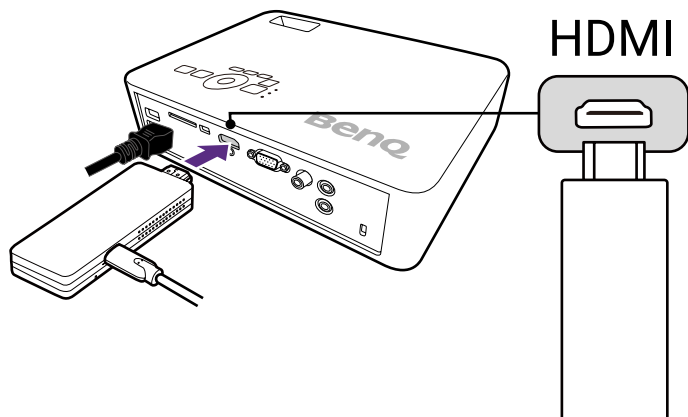
1. Connect the USB-C-to-USB-A cable to the USB-C port on the dongle.



2. Plug the dongle into the HDMI port on the projector.

Note

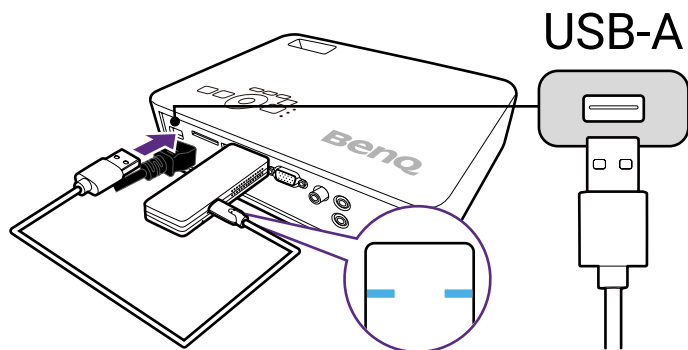
If the space around the ports on the projector is too tight to plug the dongle, you can use the HDMI adapter cable included in the package to connect the dongle.



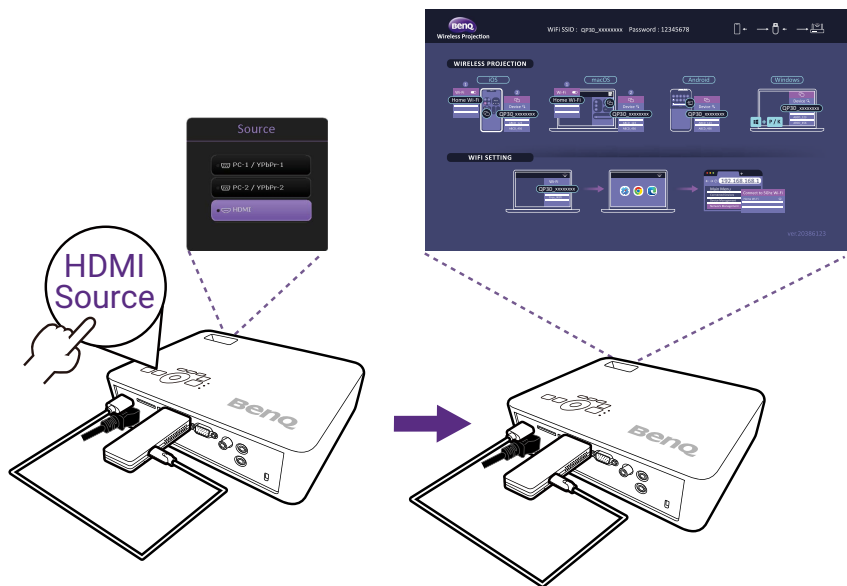
3. Connect the USB-A connector of the USB-C-to-USB-A cable to the USB port on the projector, the LED indicators on the dongle will light up blue.

Note

- The USB port on the projector that you connect the cable to must provide at least 5V/1A power. If the LED indicator on the dongle does not light up blue, the USB port on your projector may not supply enough power and you may need to connect the cable to a power socket via a standard USB power adapter (see the notes below for restrictions for the adapter).
- You may also use a USB-A plug adapter (e.g., those provided with smartphones) to power the dongle. The plug adapter MUST provide 5V / 1.5A to 2.4A power.
- The dongle does not support USB-A plug adapters with Power Delivery or Quick Charge capabilities.



4. Switch the input source on the projector to HDMI, a standby screen may appear. Once the QCast Mirror screen is shown you can begin the mirroring process.



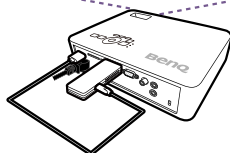
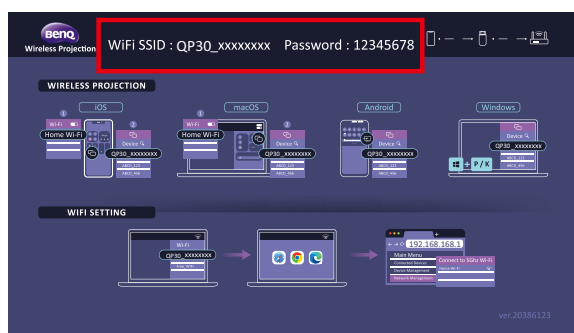
Mirroring the content from your device via a direct connection

The QCast Mirror allows you to mirror the screen of smartphones, tablets, and computers via a Wi-Fi signal. Devices that do not have Wi-Fi capabilities are not able to mirror their screen via QCast Mirror. The steps to begin mirroring are described below.

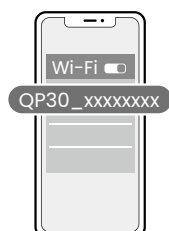
Note

Mirroring via a direct connection will prevent your device from having Internet access. For your device to have Internet access while mirroring, the device must be connected to the dongle via a router. For instructions on connecting via a router, see [Mirroring the content from your device via a router on page 12](#).

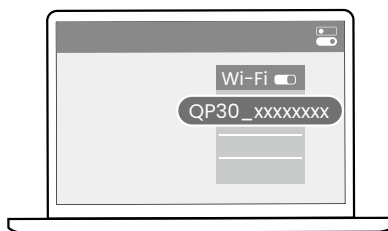
1. [For iOS/macOS/Android devices only]: Open your device's Wi-Fi menu and connect to the SSID displayed on the top side of the QCast Mirror screen and enter the security password displayed next to the SSID on the QCast Mirror screen.



Android & iOS



MacOS



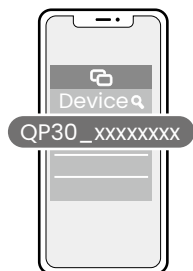
2. [For Windows PCs only]: Press the Windows (⊞) key and the P or K

key simultaneously to open your PC's screen casting menu.

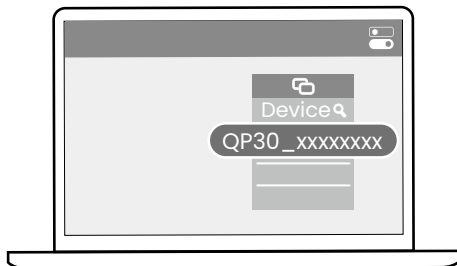
[For iOS/macOS/Android devices only]: Open your device's screen casting menu.

3. Select the dongle's name ("QP30_XXXXXXX") in the screen casting menu.

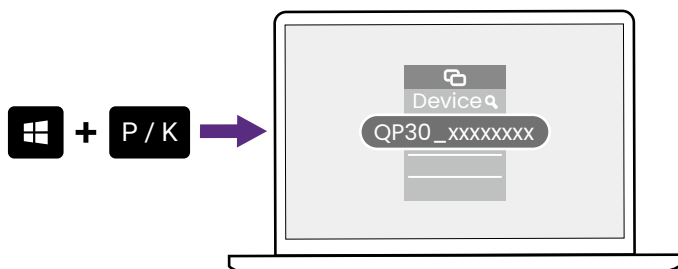
Android & iOS



MacOS



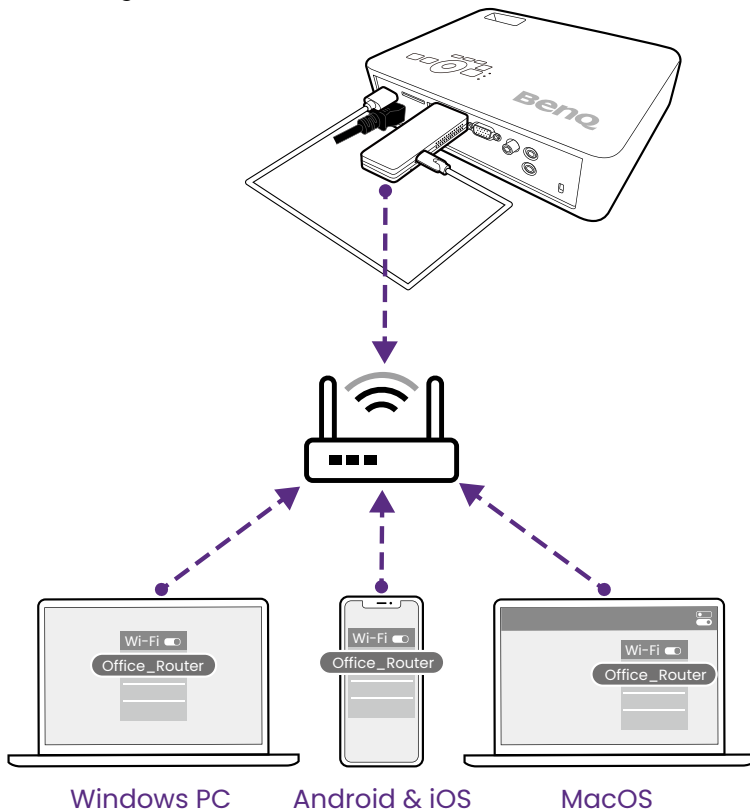
Windows PC



Mirroring the content from your device via a router

When the devices that want to mirror their screens require Internet access (to play videos from the Web for example), they will need to connect to the dongle via a Wi-Fi router with Internet access. The steps to begin mirroring in this manner are described below.

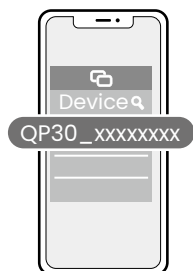
1. Follow the instructions in [Connecting the QCast Mirror to a Wi-Fi router on page 16](#) to connect the dongle to a Wi-Fi router.
2. Open your device's Wi-Fi menu and connect to the SSID of the router that the dongle is connected to.



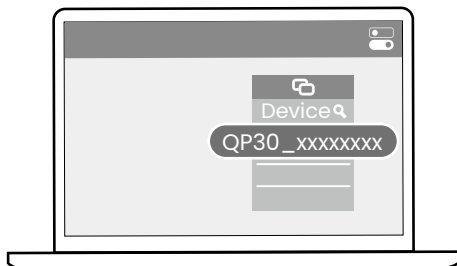
3. [For Windows PCs only]: Press the Windows (⊞) key and the P or K key simultaneously to open your PC's screen casting menu.
[For iOS/macOS/Android devices only]: Open your device's screen casting menu.

4. Select the dongle's name ("QP30_XXXXXXX") in the screen casting menu.

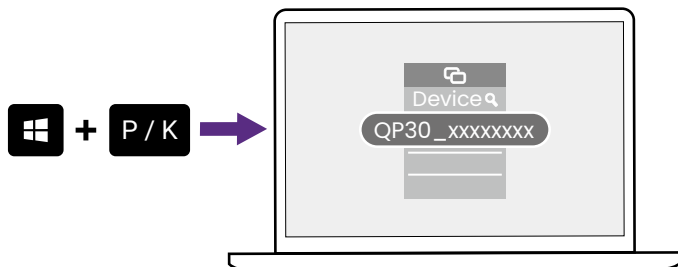
Android & iOS



MacOS



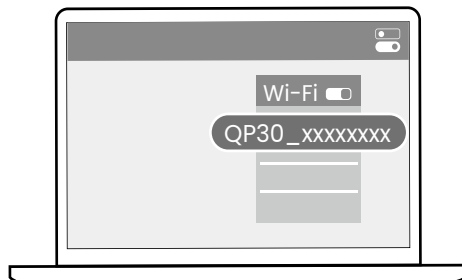
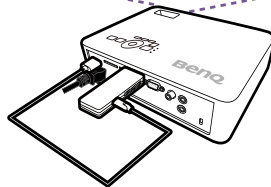
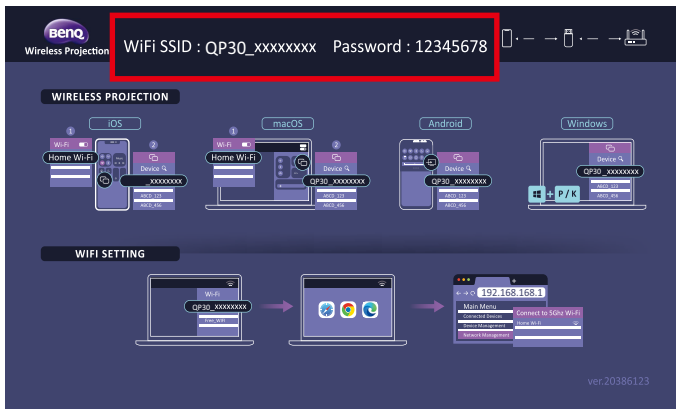
Windows PC



The Advanced Settings menu

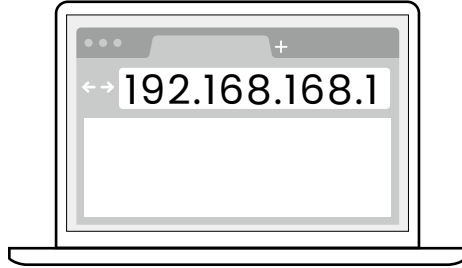
The **Advanced Settings** menu for the QCast Mirror allows you to connect the QCast Mirror to a Wi-Fi router as well as configure various settings for the dongle. The steps to accessing the **Advanced Settings** menu are described below:

1. Follow the instructions in [Connecting the QCast Mirror to your projector on page 7](#) to power on the QCast Mirror.
2. Enter your device's Wi-Fi menu and connect to the SSID displayed at the top of the QCast Mirror screen and enter the security password displayed next to the SSID on the QCast Mirror screen.



3. Open a web browser on your device and enter the URL

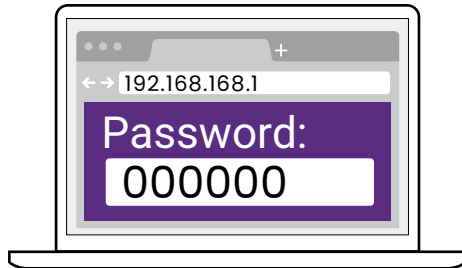
<http://192.168.168.1>, the **Advanced Settings** menu will open in the browser.



4. Enter the **Advanced Settings** menu password to log in.

Note

- When opening the **Advanced Settings** menu for the first time, enter the default password “000000” to log in. Once logged in you will be asked if you want to change the password, select **Skip** if you want to keep the default password.
- If at any time you forget the login password, use the reset button on the dongle to restore the dongle to its default settings and then log into the **Advanced Settings** menu using the default password again.



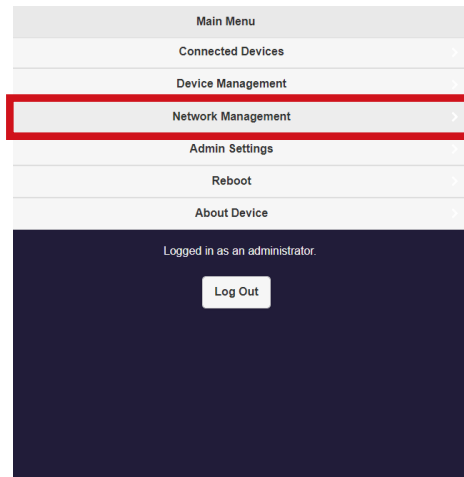
The **Advanced Settings** menu includes the following sub-menus, for more information on each sub-menu, see [Other advanced settings on page 18](#):

- **Connected Devices**
- **Device Management**
- **Network Management**
- **Admin Settings**
- **Reboot**
- **About Device**

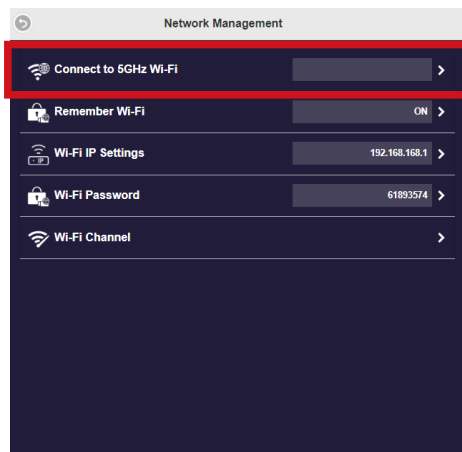
Connecting the QCast Mirror to a Wi-Fi router

To provide devices connected to QCast Mirror with Internet access you must first connect QCast Mirror to a Wi-Fi router via the **Advanced Settings** menu. The steps to connecting QCast Mirror to a Wi-Fi router are described below.

1. Ensure QCast Mirror is within range of a Wi-Fi router with Internet access.
2. Follow the instructions in [The Advanced Settings menu on page 14](#) to access the **Advanced Settings** menu.
3. In the **Advanced Settings** menu select the **Network Management** sub-menu.



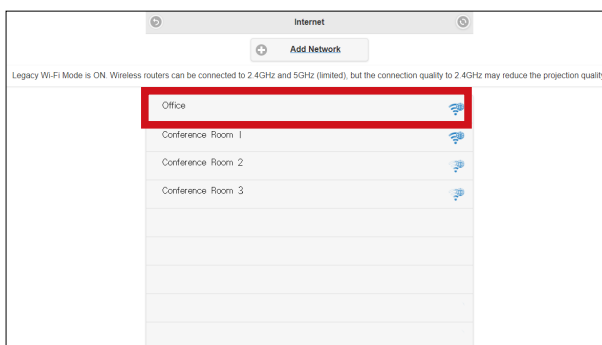
4. In the **Network Management** sub-menu select **Connect to 5GHz Wi-Fi**.



5. Select the SSID of the router in the **Internet** menu and enter a password for the Wi-Fi router if needed.

Note

- If you do not see the SSID of the router in the **Internet** menu, select the refresh button at the top-right corner of the screen.
- If you still do not see the SSID of the router in the **Internet** menu, go to the **Device Management** sub-menu of the **Advanced Settings** menu, enable **Legacy Wi-Fi mode**, and then reboot the QCast Mirror. Once the dongle has been rebooted, repeat the steps in this section to connect to the Wi-Fi router.



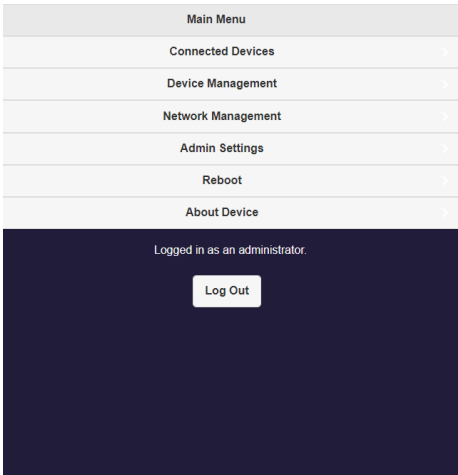
Once you have successfully connected to the Wi-Fi router, the connection between the dongle and router at the top-right corner of the QCast Mirror screen will feature a blue Wi-Fi icon.



Other advanced settings

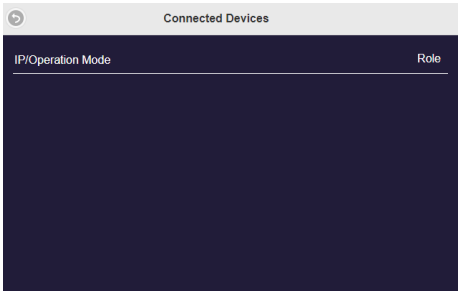
The **Advanced Settings** menu includes the following sub-menus that allow you to make various configurations to QCast Mirror:

- **Connected Devices**
- **Device Management**
- **Network Management**
- **Admin Settings**
- **Reboot**
- **About Device**



Connected Devices

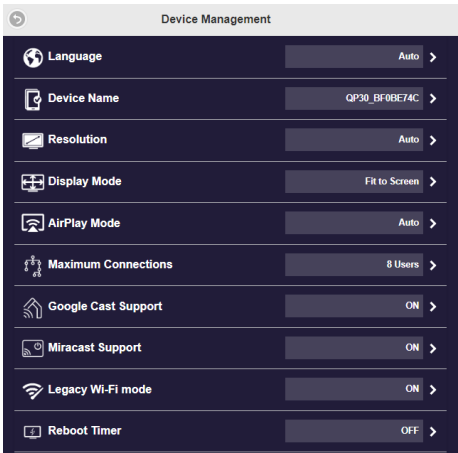
The **Connected Devices** sub-menu lists the various devices currently connected to QCast Mirror including the device(s) name and their IP address:



Device Management

The **Device Management** sub-menu includes the following items:

Note
This sub-menu is only available when you log into the **Advanced Settings** menu using its password.



Language	Selects the language for QCast Mirror.
Device Name	Changes the name of the QCast Mirror’s SSID. • Hide SSID: Makes the QCast Mirror’s SSID invisible in the Wi-Fi menu of nearby devices.
Resolution	Selects the output resolution for QCast Mirror.
Display Mode	Configures the video output by QCast Mirror. • Fit to Screen: Keeps the original aspect ratio of the video. • Stretch to Full Screen: Stretches the video to fit the whole screen.
AirPlay Mode	Configures the AirPlay settings for QCast Mirror. • AirPlay Mirroring: Enables/Disables AirPlay. • AirPlay PIN code: Enables/Disables a PIN code for iOS/macOS devices to mirror their screen via AirPlay.

Maximum Connections	Sets the maximum number of users (up to 32) that can connect to QCast Mirror at one time.
Google Cast Support	Enables/disables support for screen mirroring via Google Cast.
Miracast Support	Configures the Miracast settings for QCast Mirror. • Miracast Support: Enables/Disables Miracast • PIN: Enables/Disables a PIN code for devices to mirror their screen via Miracast. • Full screen only (Negotiated Group Owner): Only allows the screen of one user to be mirrored on QCast Mirror at one time. • Split display supported (Autonomous Group Owner): Allows up to four screens to be mirrored in a split screen format on QCast Mirror at one time.
Legacy Wi-Fi mode	Enables/disables users from connecting QCast Mirror to legacy (2.4G) wireless Wi-Fi routers.
Reboot Timer	Sets the amount of idle time before QCast Mirror automatically reboots itself.

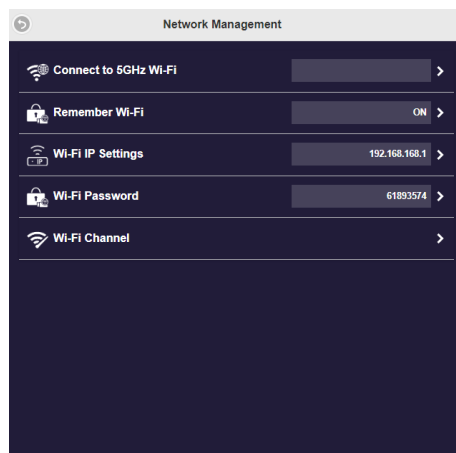
If you make any changes to the settings in the sub-menu, you will need to reboot QCast Mirror in order for the changes to take effect.

Network Management

The **Network Management** sub-menu includes the following items:

Note

This sub-menu is only available when you log into the **Advanced Settings** menu using its password.



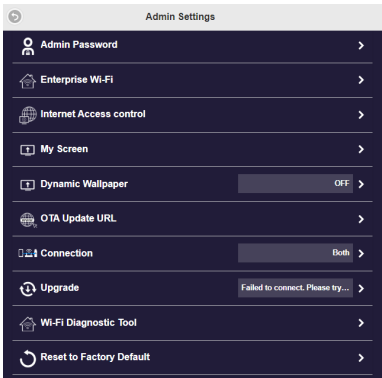
Connect to 5GHz Wi-Fi	Connects QCast Mirror to a Wi-Fi router. For more details, see Connecting the QCast Mirror to a Wi-Fi router on page 16 .
Remember Wi-Fi	Allows QCast Mirror to remember any previous Wi-Fi routers QCast Mirror has previously connected to so that the dongle will automatically reconnect after any reboot.
Wi-Fi IP Settings	Configures the IP address and related information for QCast Mirror.
Wi-Fi Password	Sets the Wi-Fi connection password for QCast Mirror.
Wi-Fi Channel	Sets the Wi-Fi channel and bandwidth for QCast Mirror's Wi-Fi signal.

If you make any changes to the settings in the sub-menu, you will need to reboot QCast Mirror in order for the changes to take effect.

Admin Settings

The **Admin Settings** sub-menu includes the following items:

Note
This sub-menu is only available when you log into the **Advanced Settings** menu using its password.



Admin Password	Configures the login password for the Advanced Settings menu.
Enterprise Wi-Fi	Allows you to upload digital certificates for higher level of access authorization.
Internet Access control	Sets which type of user connected to QCast Mirror has access to the Internet. The available options include: All Allowed , Only Casting Users , and All Denied .
My Screen	Changes the image shown as the QCast Mirror screen.

Dynamic Wallpaper	Enables/Disables a dynamic wallpaper (video and images) to be shown as the QCast Mirror screen when QCast Mirror is idle. • Silent Mode: Enables/Disables sound for the custom QCast Mirror screen. • URL: Sets the URL at which the JavaScript file for the dynamic wallpaper is located. • Starts After X Minutes of Idle: Sets the amount of idle time before the dynamic wallpaper begins playing • Stops when any transmitter is connected: Stops playback of the dynamic wall paper anytime a device connects to QCast Mirror. • Stops when any transmitter starts to mirror: Stops playback of the dynamic wall paper anytime a connected device begins mirroring its screen.
OTA Update URL	Sets the URL which QCast Mirror uses to detect and download an OTA upgrade.
Connection	Sets the type of connections devices can use to connect to QCast Mirror. • Both: Allows devices to connect directly to QCast Mirror or via a Wi-Fi router. • Direct Link Only: Allows only direct connections to QCast Mirror. • Via Router Only: Allows only connections via a Wi-Fi router.
Upgrade	Allows you to update QCast Mirror's firmware when an update is available. QCast Mirror must be connected to a Wi-Fi router with Internet access to be able to detect and install a firmware update.
Wi-Fi Diagnostic Tool	Allows you to test the performance of QCast Mirror's Wi-Fi signal.
Reset to Factory Default	Resets QCast Mirror's to its factory default settings.

If you make any changes to the settings in the sub-menu, you will need to reboot QCast Mirror in order for the changes to take effect.

Reboot

Select **Reboot** in the **Advanced Settings** menu to manually reboot QCast Mirror.

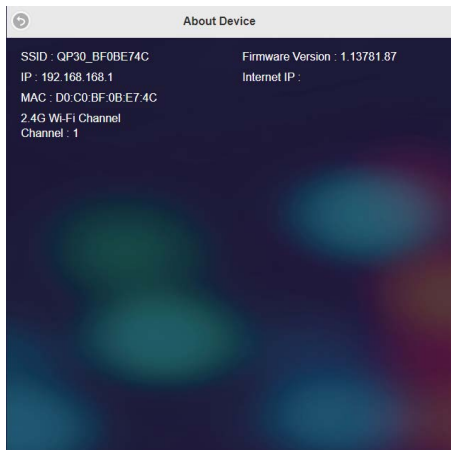
Note

Reboot is only available when you log into the **Advanced Settings** menu using its password.

About Device

Lists the following information for QCast Mirror:

- **SSID**
- **Firmware Version**
- **IP**
- **Internet IP**
- **MAC**
- **2.4G Wi-Fi Channel**



Product specifications

Model name	QP30 - QCast Mirror HDMI Wireless Dongle
Dimensions	97.2 x 12 x 32 mm (W x H x D)
Input terminals	USB-C
Output terminals	HDMI 1.4b
Weight	32g approximately
Wireless standard	IEEE 802.11a/b/g/n/ac
Security	WPA/WPA2
LED	Blue LED indication for Power
Output resolution	• 1280x720 @60hz • 1280x720 @50hz • 1920x1080 @60hz • 1920x1080 @50hz • 3840x2160 @30Hz • 4096x2160 @30Hz
Frequency band	2.4G/5G (default setting)
Color	White
CPU	AM8270
DRAM	DDR3 512MB
NAND	256MB
Power	DC 5V/1.5A, through USB-C port
Video support	Max. 4K@30p video decode

System requirements

PC	Windows OS	Windows 7 and above with Miracast support Note Mirror Screen support depends on Wi-Fi module and graphics chipset.
	Mac OS	Mac OS X 10.12 and above with Mirror Screen support Note Recommended Models: Mac Book series and iMac series after E/2015.
	Chrome OS	for Cast/Mirroring support
Tablet/ smartphone	iOS	iOS 12 and later with Mirror Screen support
	Android	Android 9 above with Mirror Screen support

Note

- Make sure your device has been upgraded to a proper OS version that supports screen mirroring.
- 5G Wi-Fi only supports Band 1 (5.150 - 5.250 GHz).
- 2.4G Wi-Fi only supports CH. 1 - CH. 11 (2.401 - 2.473 GHz).
- Transmission quality depends on the Wi-Fi environment and the screen mirroring compatibility of mobile devices from different brands. To ensure the best transmission quality, visit <http://www.benq.com/> for the list of compatible devices.
- For further information, please visit: <http://www.benq.com/>

FAQ

If your problems remain after checking this manual, please visit the local website from Support.BenQ.com for more support , FAQ and local customer service.



Support.BenQ.com