



QUMI Q9

User Manual

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IMPORTANT SAFETY INFORMATION



IMPORTANT:

It is strongly recommended that you read this section carefully before using Q9. These safety and usage instructions will make sure you enjoy many years of safe use of Q9. Keep this manual for future reference.

Symbols Used

Warning symbols are used on the unit and in this manual to alert you of hazardous situations. The following symbols are used to call attention to important information.



NOTE:

Provides additional information on the topic at hand.



IMPORTANT:

Provides additional information that should not be overlooked.



CAUTION:

Alerts you to situations that may damage the unit.



WARNING:

Alerts you to situations that may damage the unit, create a hazardous environment, or cause personal injury.

Throughout this manual, component parts and items in the OSD (On-Screen Display) menus are denoted in bold font as in this example:

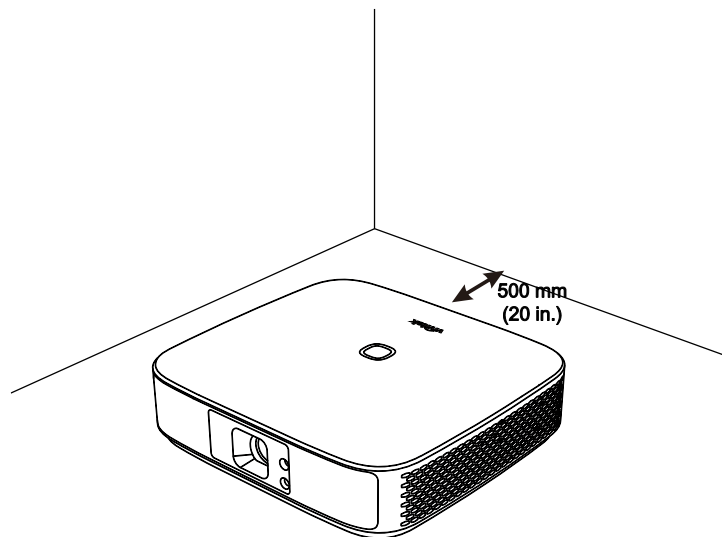
“Press the **Menu** button on remote control to open the **Settings** menu”.

General Safety Information

- RG1 IEC 62471-5:2015
- Do not open the casing. There are no user-maintainable parts inside the machine. For any maintenance, please contact a qualified service technician.
- Follow all warnings and precautions on the machine or in this Manual.
- According to its design, the projection light source is extremely bright. To avoid harm to your eyes, do not look straight at the lens when the LED is ON.
- Do not place the machine on unstable surface or stand.
- Avoid using the system near water, in direct sunlight, or near a heating device.
- Do not place any heavy objects (e.g., books or bags) on the unit.

Q9 Installation Notice

- Allow at least a 500mm (20") clearance around the exhaust vent.



- Make sure that the intake vents do not recycle hot air from the exhaust vent.
- When operating Q9 in an enclosed space, make sure that the surrounding air temperature within the enclosure does not exceed the operating temperature while Q9 is running, and the air intake and exhaust vents are unobstructed.
- All enclosures should pass a certified thermal evaluation to make sure that Q9 does not recycle exhaust air, as this may cause the device to shut down even if the enclosure temperature is within the acceptable operating temperature range.



CAUTION:

Avoid usage of Q9 in dusty environments.

Power Supply Safety

- Only use the supplied adapter.
- Do not place anything on the cord. Place the cord where it will not be in the way of foot traffic.
- Remove the battery from the remote control when storing or not in use for a prolonged period.

Cleaning Q9

- Before cleaning, disconnect the power supply cables. Refer to **Powering On/Off the Projector** on page 15.



NOTE:

Q9 will be warm after usage. Allow Q9 to cool down before storing away.

Control Warning

Before installing and using Q9, read the regulatory notices in the **Regulatory Compliance** on page 4.

REGULATORY COMPLIANCE

FCC Warning

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 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/her own expense.

Any Changes or modifications not expressly approved by the parties responsible for compliance could void the user's authority to operate the equipment.

Canada

This class B digital apparatus complies with Canadian ICES-003.

Safety Certifications

Projector: CE, REACH, ROHS, WEEE, FCC, TUV NORTH AMERICA, CB

Power Adapter: DOE, WEEE, FCC, UL, EAC, TUV-GS, CB, PSB, TUV-S, EAC, KCC, CCC, CECP, BIS, BSMI, ISC

Disposal and Recycling

This product may contain other electronic waste that can be hazardous if not disposed of properly. Recycle or dispose in accordance with local, state, or federal Laws. For more information, contact the Electronic Industries Alliance at www.eiae.org.



DISPOSAL:

Do not use household or municipal waste collection services for disposal of electrical and electronic equipment. EU countries require the use of separate recycling collection services.

INTRODUCTION

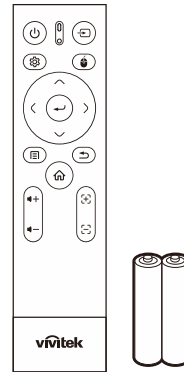
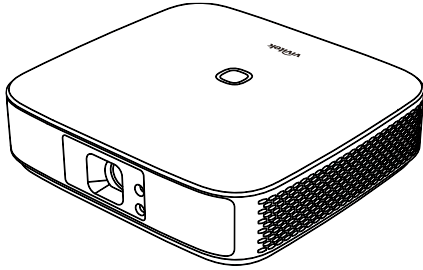
About this Manual

This manual is intended for end users and describes how to install and operate Q9. Wherever possible, relevant information—such as an illustration and its description—has been kept on one page. This printer-friendly format is both for your convenience and to help save paper, thereby protecting the environment. It is suggested that you only print sections that are relevant to your needs.

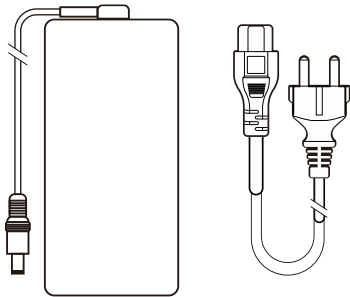
Q9 Main Features

- Native 1080P resolution with a maximum resolution of 4K UHD (3840x2160).
- Texas Instruments DLP® chip technology for long-lasting precise color, image quality and low power consumptions.
- Long-life energy efficient LED light source with up to an estimated 30,000 hours of operation.
- Enjoy a large widescreen image up to 3.2m (120") diagonally for one or a group.
- Advanced Quad-Core CPU with an ultra-fast Android™ operating system.
- Customized dual 3-watt speakers pump out crisp, clear, and dynamic sound for an incredible theatre-quality audio experience.
- Bluetooth® enabled for wireless free connection to a keyboard, mouse, headphone or other device.
- Assortment of connectivity options including Type C display, HDMI, USB and earphone audio-out.
- PC-free playback of photos, videos, audio, and office files with the integrated player.
- Dual mode Remote for Infrared and Bluetooth 2.4G remote control with air mouse function.
- Lightweight appearance, with stepless adjustable feet to adjust the angle, and a dedicated carrying bag for easy carrying and moving.
- Tripod port and ceiling mount hole for convenient projector setup and positioning.

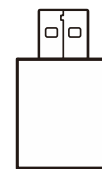
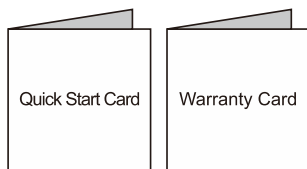
PACKAGE CONTENTS



Q9 | **Remote Control with Battery**



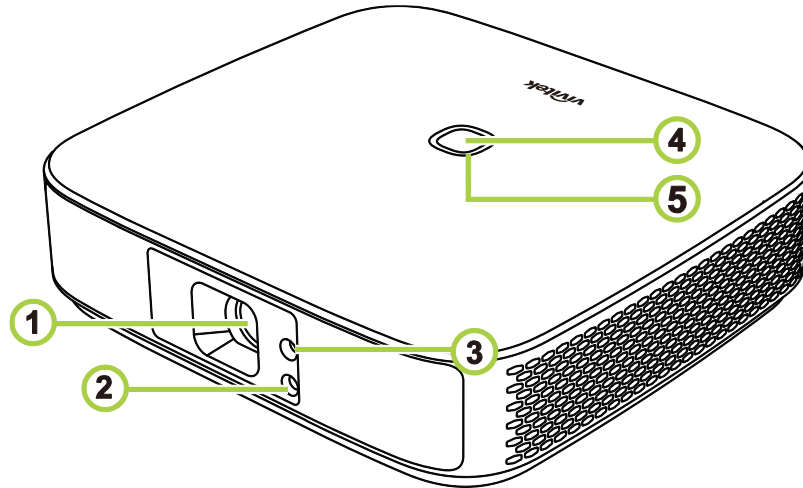
Adapter | **Carry Bag**



Documentation | **Wi-Fi / Bluetooth Dongle**

YOUR PROJECTOR

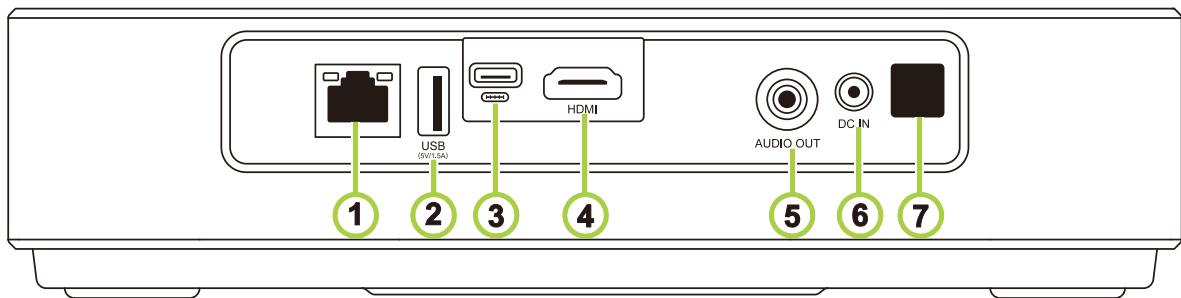
Top and Front-Left View



- 1** Lens
 - 2** Front IR Sensor
 - 3** Focus
- 4** Power Button
 - 5** LED Status Indicator

LED status	LED status	Description
Ready to power on (Standby)		Projector standby and ready for turn on
Cooling		Projector cooling and ready to turn on when LED turn to solid Red
System initial		Projector on in process
Power On : Normal		Projector on
Temperature Err		Temperature Err and Projector will be in Standby mode
Light source Err		Light source Err and Projector will be in Standby mode
Fan Err		Fan Err and Projector will be in Standby mode

Rear View



1 RJ45 Lan Port

2 Type-A USB Port

3 Type-C DisplayPort

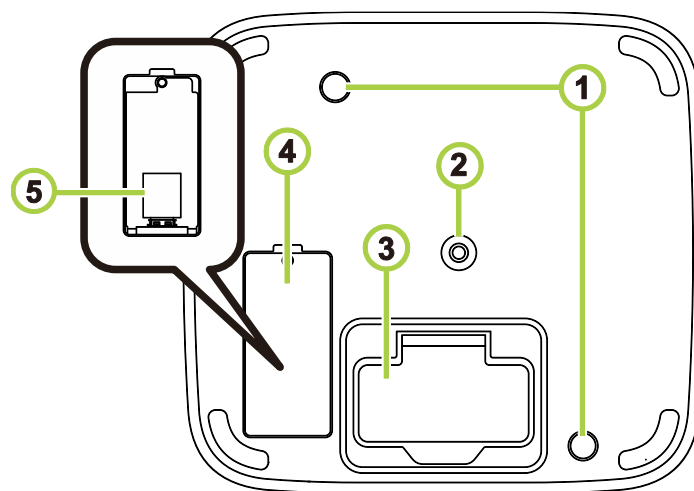
4 HDMI Port

5 Audio Out (3.5mm) Jack

6 DC In Port

7 Rear IR Sensor

Bottom View



1 Ceiling mount hole

2 Triple connector

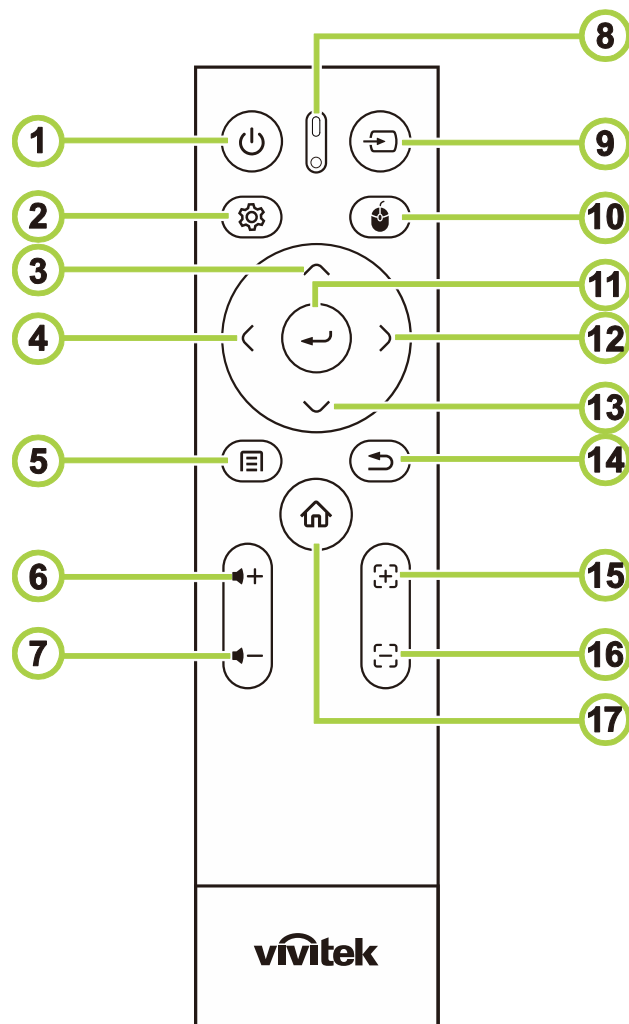
3 Angle free adjustment foot

4 WiFi Dongle cover


5 WiFi Dongle

REMOTE CONTROL

Remote Control Keypad



- | | | |
|----------------|--------------|--------------|
| 1 Power ON/OFF | 7 Volume – | 13 Down |
| 2 Setting | 8 LED status | 14 Return |
| 3 Up | 9 Source | 15 Focus in |
| 4 Left | 10 Mouse | 16 Focus out |
| 5 Sub Menu | 11 Enter | 17 Home |
| 6 Volume + | 12 Right | |

 **NOTE:**

- LED status: Red - IR mode, Green - BT mode, Flashing Green - BT pairing mode
- Mouse: Only active in Bluetooth mode.



IMPORTANT:

- Avoid using the projector with bright fluorescent lighting turned on. Certain high-frequency fluorescent lights can disrupt remote control operation.
 - Be sure nothing obstructs the path between the remote control and the projector. If the path between the remote control and the projector is obstructed, you can bounce the signal off certain reflective surfaces such as projector screens.
-



NOTE:

Complies with FDA performance standards for laser products except for deviations pursuant to Laser Notice No. 50, dated June 24, 2007.



CAUTION:

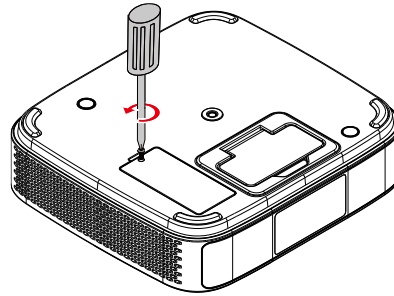
Use of controls, adjustments or performance of procedures other than those specified herein may result in hazardous laser light exposure.

Plug in WiFi dongle in Q9

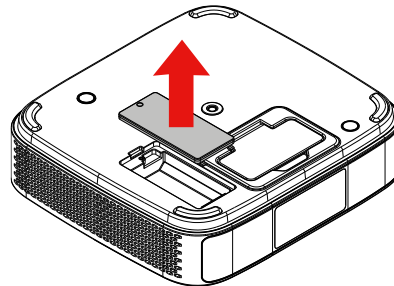
Q9 wifi & Bluetooth function need a dongle plug in to enable function

Please find Wifi dongle in Accessory box and Plug in Q9 before Q9 first power on.

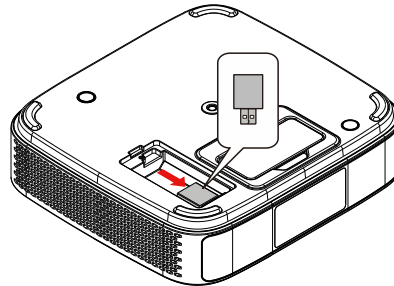
Loosen the screw on the WiFi Dongle cover.



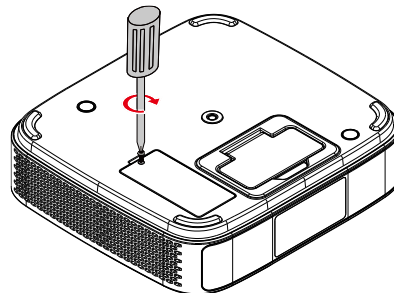
Remove the WiFi Dongle cover.



Install the WiFi Dongle.



Replace the cover and lock the screws.

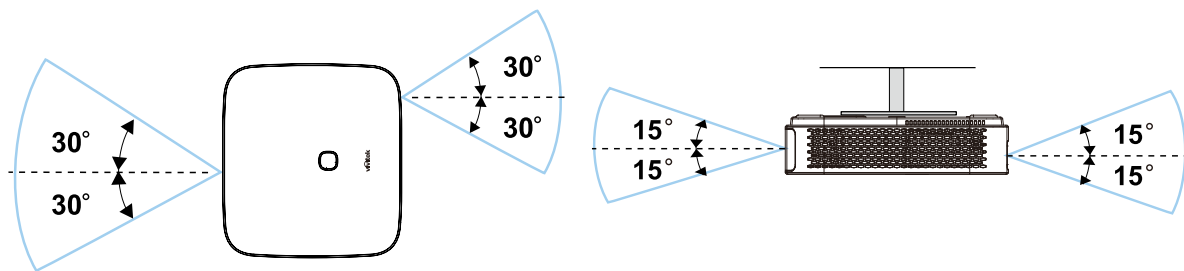


Using Your Remote Control

Operating Range

- The remote controller is dual type, both has infrared and Bluetooth mode to control projector
- In the Bluetooth mode, the operating distance can be more than 10 meters, and there is no directivity.
- In infrared mode it is not necessary to point the remote directly at the projector.
- The Remote Controller will function properly within a distance radius of about 7 meters (23 feet) and vertical angle of 15 degrees above or below the projector level.

Infrared transmission mode

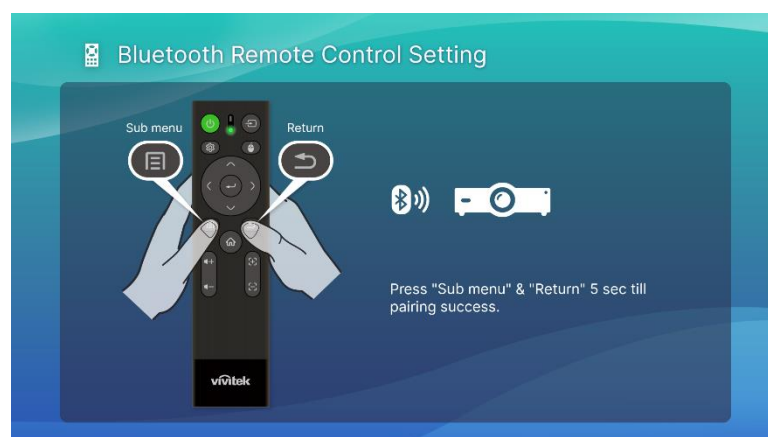


NOTE:

If the projector does not respond to the Remote Controller, Move to a closer range or Replace batteries..

Remote control Bluetooth pairing

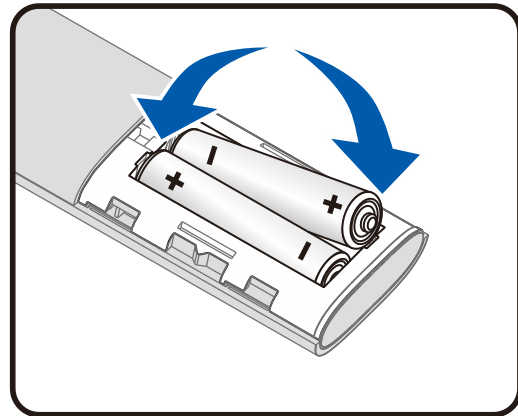
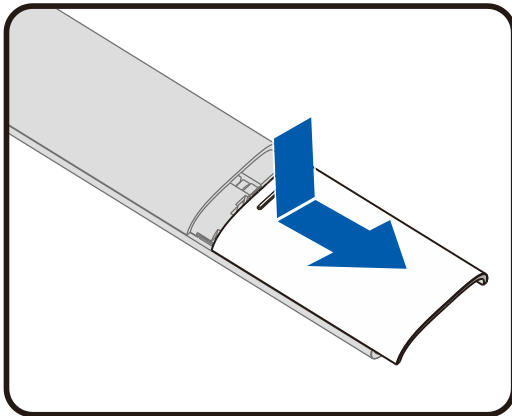
- Please follow Startup Wizard to setup Q9 when you first boot Q9.
- If you miss the Remote pairing process in Startup Wizard, you could pair Remote control any time by following process:
 1. Put Remote near Q9 Projector, and long press "Sub menu" and "Return" key till remote LED flash green to enter pairing mode. Please see following Picture



2. When pairing success, screen show green check mark and LED flashing stop.



Replacing Batteries



- Slide IN/OUT the battery compartment cover.
- Insert the battery with the positive side facing up.



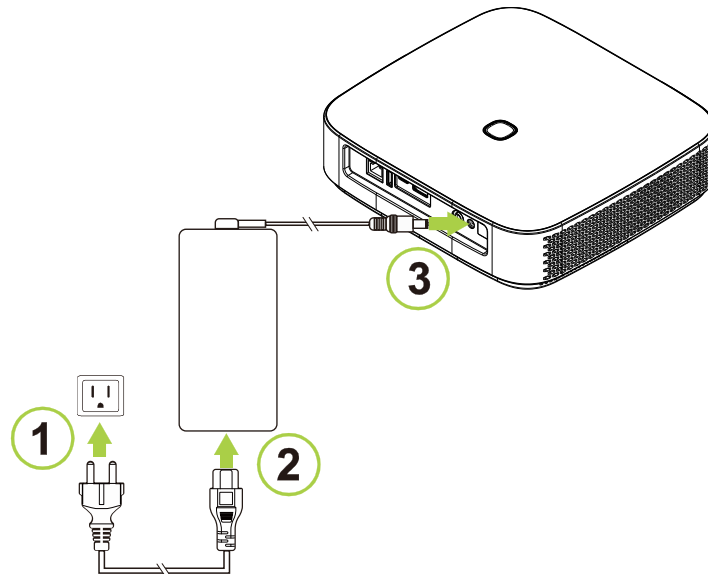
CAUTION:

1. Only use AAA batteries (Alkaline batteries are recommended).
2. Dispose of used batteries according to local ordinance regulations.
3. Remove the batteries when not using the projector for prolonged periods.

POWERING THE PROJECTOR

To supply power to the Q9:

1. Connect the power cable to a power socket
2. Connect the power cable to the supplied adapter.
3. Connect the adapter cable to the DC In port on the projector.



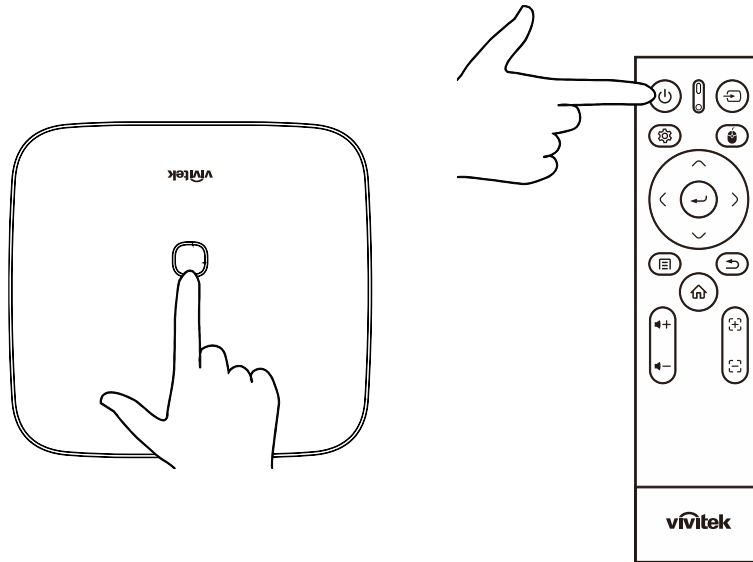
4. Once the adapter and power cable are connected to the projector, the LED status indicator on the top of the projector will illuminate indicating the standby status (refer to **Top and Front-Left View** on page 7 for more information on LED behavior).



Powering On/Off the Projector

To power on the projector:

1. Press the power (⏻) button on the top of the projector or the power (⏻) button on the remote control.

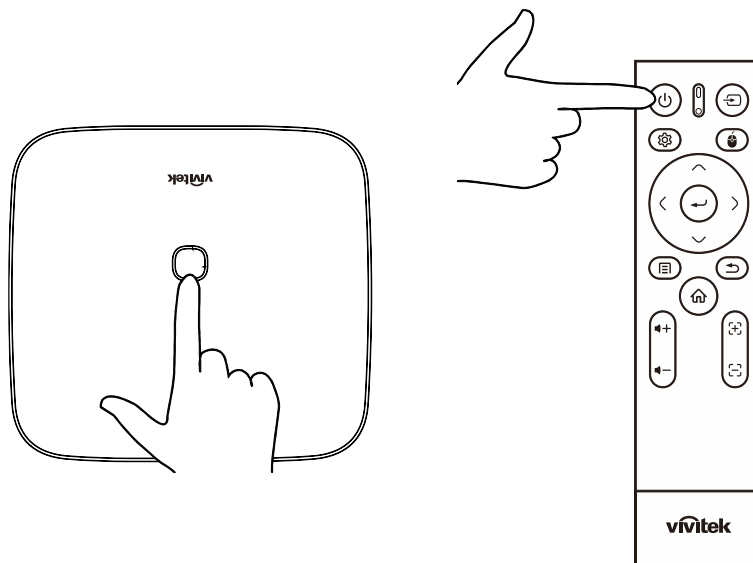


2. The fans will begin to operate and the Vivitek logo will appear on the screen:

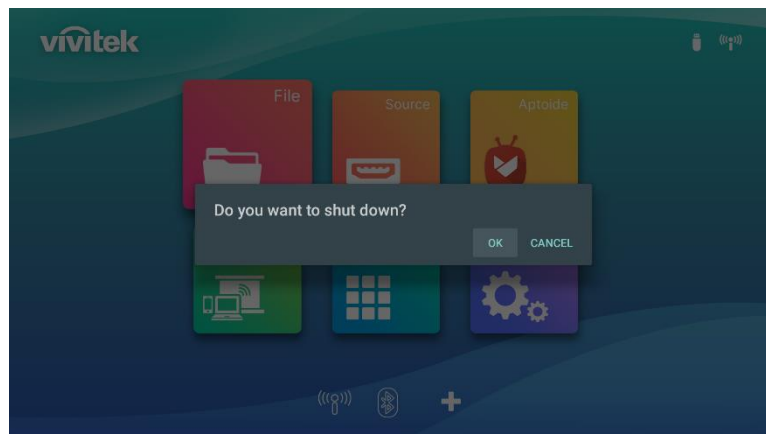


To power off the projector:

1. Press the power (⏻) button on the top of the projector or the power (⏻) button on the remote control.



2. A message will appear on the projected screen to confirm power off. Select **OK** and press the enter (↵) button.



START UP WIZARD

Quick set up in your Q9 first boot

When your first boot Q9, system will lead you to finish necessary setting

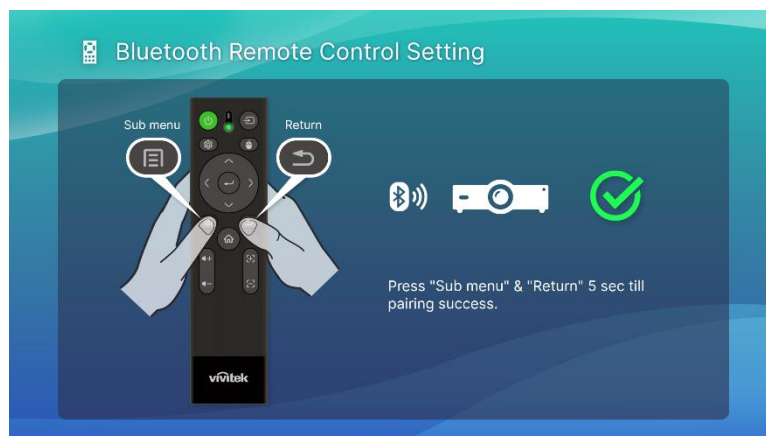
3. Language set up

Please select the language you use

4. Remote control pairing

Please long press Submenu and Return key 5 sec till remote control blinking green

And pairing success with screen pop up Green check mark



5. Wireless setting

Please find available network and setup connection.

6. Setup complete

Please press home key to main screen and start to use Q9

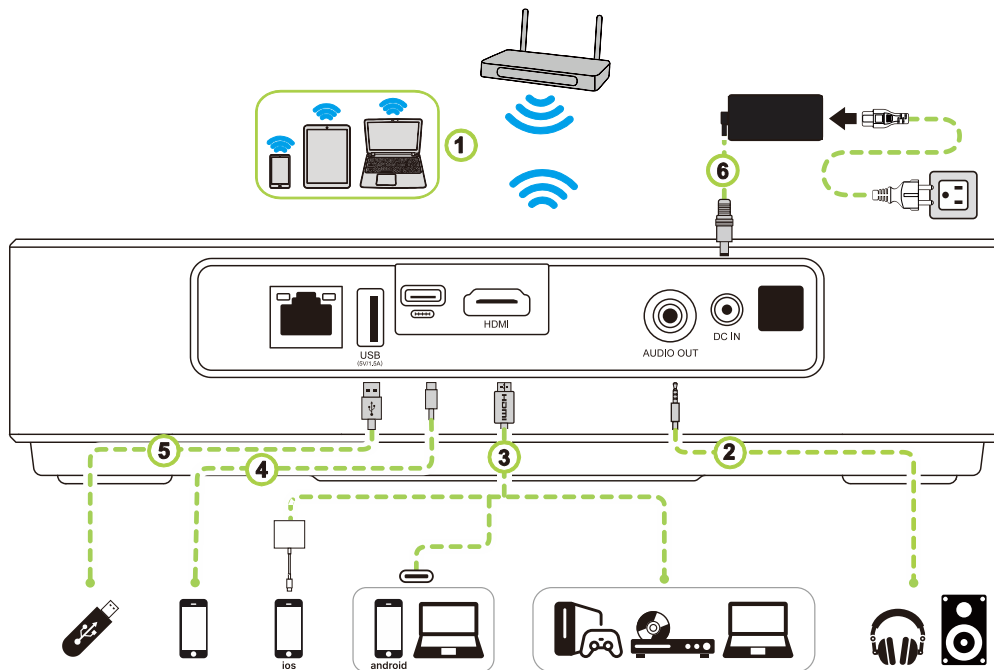


NOTE:

The start up wizard process is necessary to finish when you first boot Q9

You could press return to skip some process, but still need to press home key in last page to complete the set up process.

MAKING CONNECTIONS



No.	Connection Port / Type	Connection Device	Corresponding Section
1	Wireless Screencasting	Smartphones, Tablets, PCs	Screencasting with a Smartphone, Tablet, or PC on page 26
2	Audio Out	Headphones, Speaker	Connect Headphone or Speaker without Amp function
3	HDMI	Blu-Ray/DVD Players, Set-top Boxes, PCs, mobile device, Smartphones	Playing from a Video Source (HDMI or Type-C) on page 31 Note: some device may need socket to HDMI port.
4	Type-C USB (DisplayPort)	Smartphones	Playing from a Video Source (HDMI or Type-C) on page 31
5	USB Type-A	USB Flash Drive (Media Files)	Playing Media Files from a Storage Device (USB Flash Drive or internal storage) on page 21



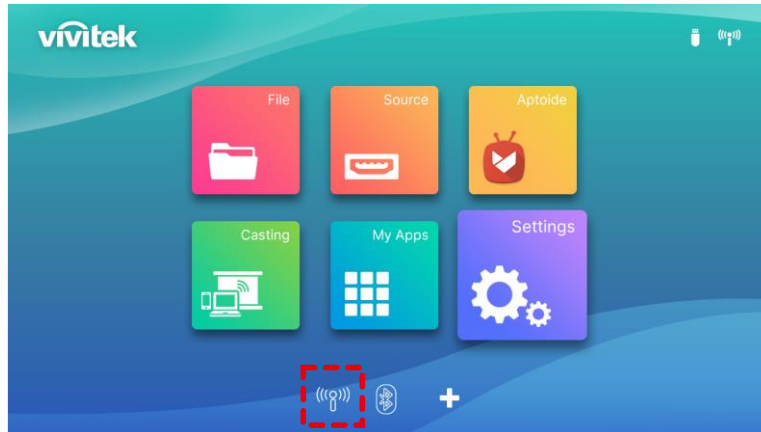
NOTE:

To make it easier to navigate the projector's user interface and use its apps, it is recommended that you connect a USB mouse and/or keyboard.

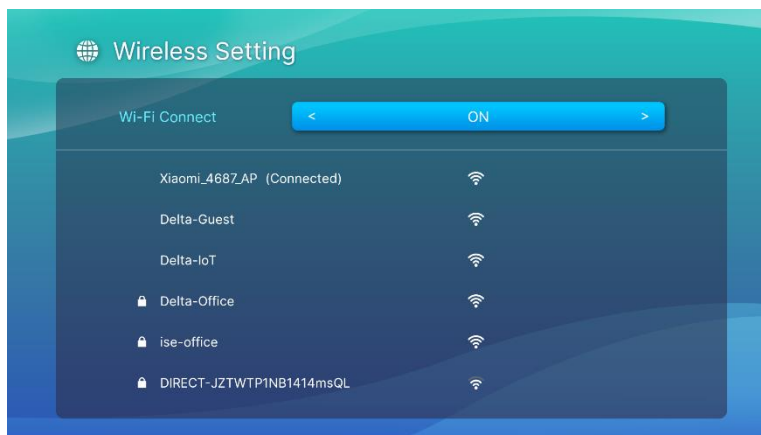
Connecting to a Wi-Fi Network

To connect the projector to a wireless network:

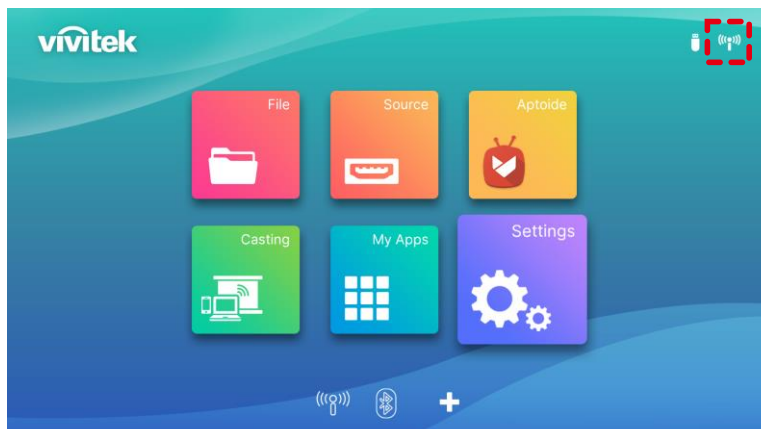
1. Select the Wireless icon on Quick launch key or wireless setting in Network of Setting function.



2. Select the Wi-Fi ON and the Wi-Fi network you want to connect to and press the enter (↵) button. If the Wi-Fi network you want to connect to features a password, enter the password when prompted.



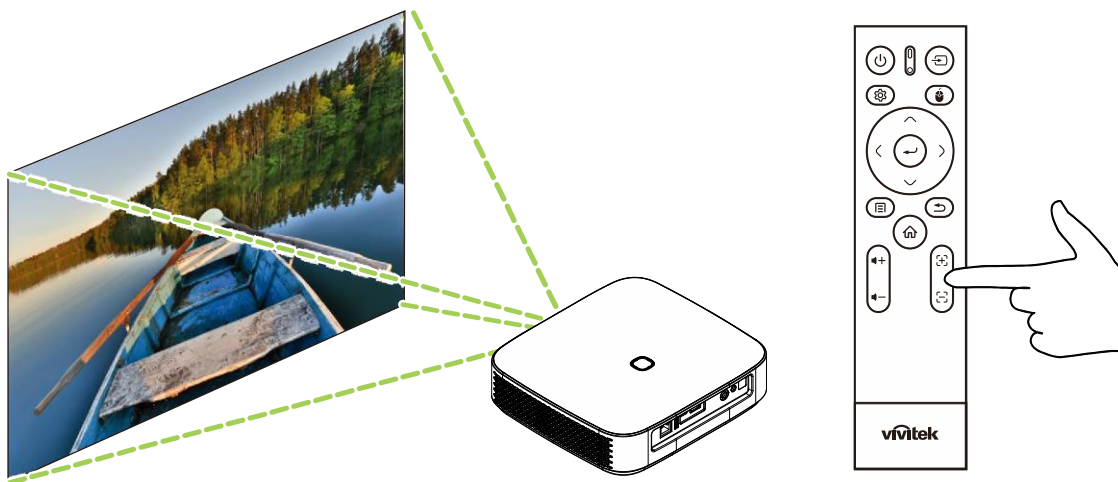
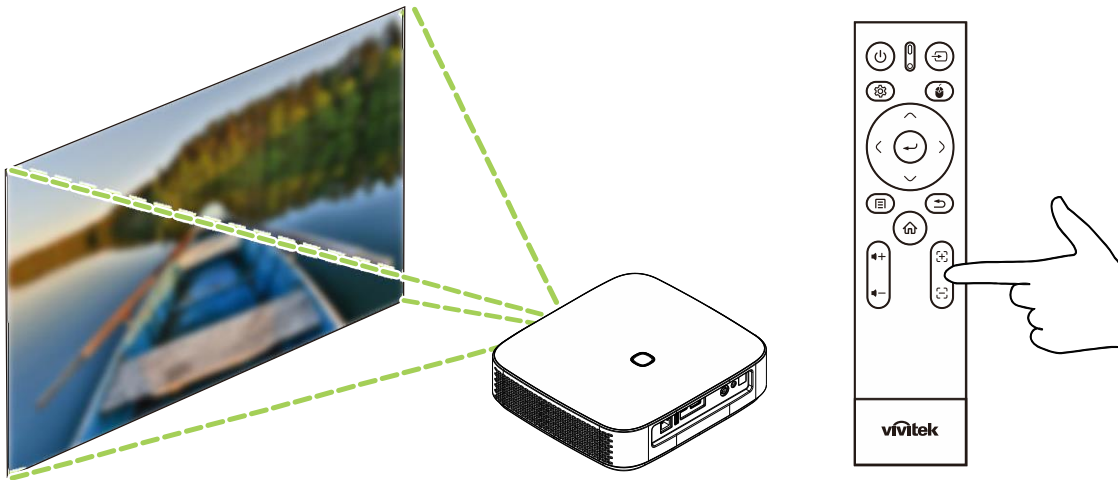
Once you have successfully connected to a Wi-Fi network a Connected status will be listed under the network you have connected to. Press the exit (↵) button to return to the home screen where a Wi-Fi connection icon will appear at the top right corner of the screen.



USING THE PROJECTOR

Adjusting the Focus

Q9 has Auto focus function, please long press Focus key + or - to process auto focus adjustment, or short press Focus + or - to do the manual adjustment.



Playing Media Files from a Storage Device (USB Flash Drive or internal storage)

To play a media file (video, photos, music) from a storage device or internal storage:

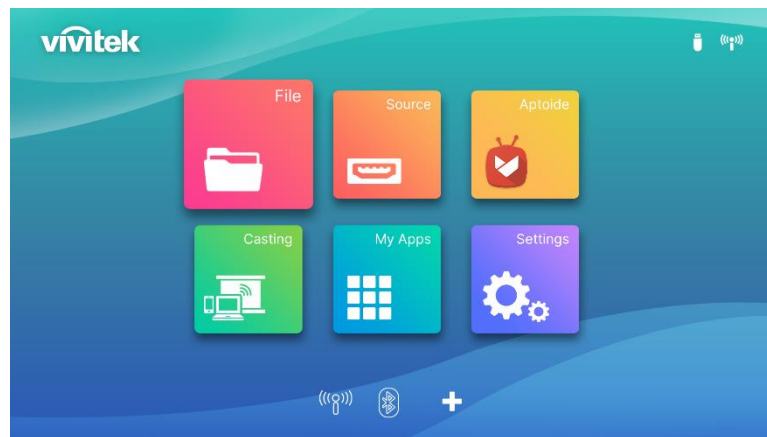
1. Connect the device to the projector. Refer to the **Making Connections** section on page 18.



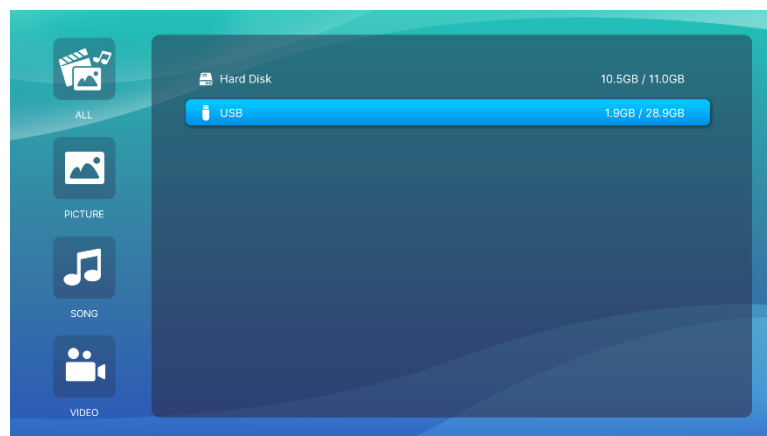
NOTE:

If you are already playing media from a different source press the home (🏠) or exit (↩) button on the keypad or remote control to return to the home screen.

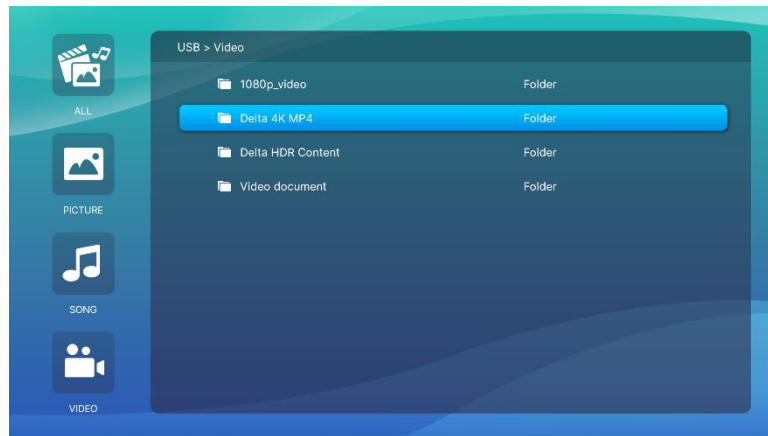
2. Using the keypad or remote control, select **File** from the home screen and press the enter (↵) button.



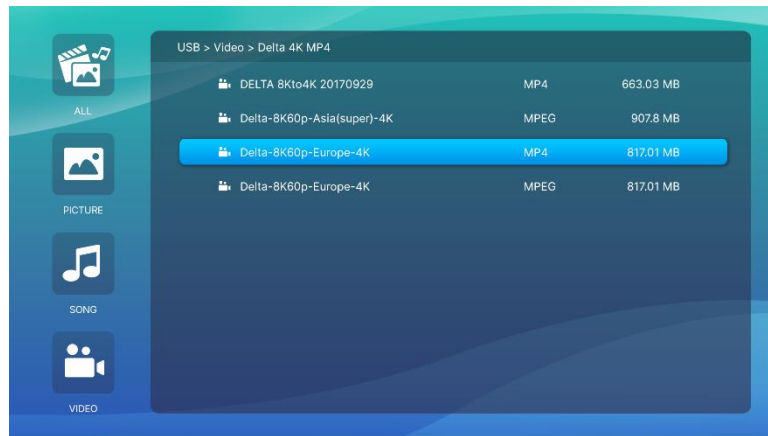
3. Select the storage device with the media file you want to play in the Media Player menu and press the enter (↵) button.



4. Navigate to the file folder where the media file is located in the storage device.



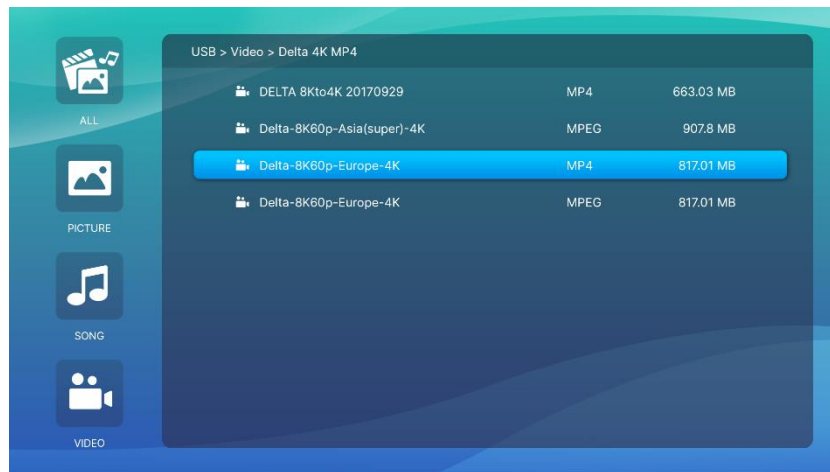
5. Select the media file you want to play and press the enter (↵) button.



NOTE:

If the file folder contains multiple types of media files you may use the **PICTURE**, **SONG**, or **VIDEO** buttons on the left side of the menu to specify the media files shown by type.

6. The media player will begin playing the media file on the projected screen. The media player's interface and available options will depend on the type of media being played. Press "Sub menu" key to control more information.



Submenu setting

In Video and Picture playing, you can press sub menu key to enable sub menu in left side of image

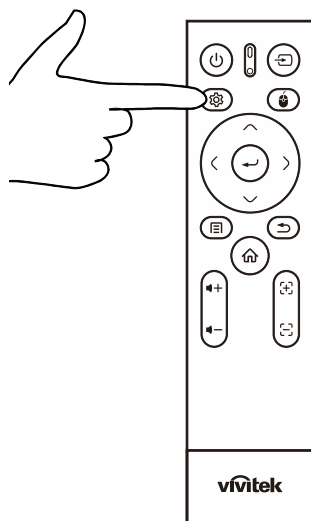
It allow you to adjust the preference for your playing content

Category	Menu	Value (Default value)	
Video	Subtitle	Base on Video format	
	Audio track	Base on Video format	
Picture	Zoom	1.0x / 1.2x / 1.4x / 1.6x / 1.8x / 2.0x	
	Rotate	left / right 90-360 degree	
	Slide show	Play	Close / Open
		Interval	3s / 5s / 10s / 20s
Animation		None / Zoom / Sliding / Fed in / Random	

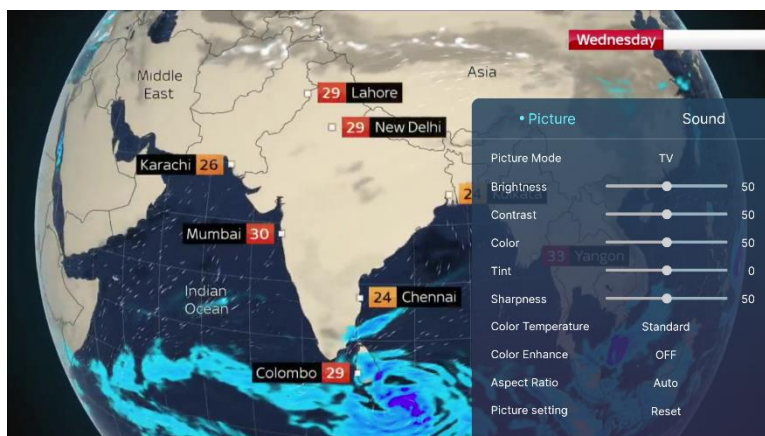
USING THE SUB-SETTINGS MENUS

When you are in video playing or running any APP program, you can adjust the Picture setting and Audio setting with sub setting menu.

1. Press the settings (⚙️) button on the remote control.



2. The sub-Settings menu will appear on the right side of projected screen.



Category	Menu	Value (Default value)
Picture	Picture Mode	Bright / Presentation / Cinema / TV
	Brightness	0-100
	Contrast	0-100
	Color	0-100
	Tint	0-100
	Sharpness	0-100
	Color Temperature	Cool / Standard / Warm
	Color Enhance	OFF / ON
	Aspect Ratio	Auto / 4:3 / 16:9 / Full
	Picture setting	Reset
Sound	Sound Mode	User / Music / Cinema
	Terble	-15-15 (0)
	Bass	-15-15 (0)
	Volume correction	-6-6 (0)
	Sound setting	Reset



NOTE:

For the sub setting function, please also refer for the [Using the Settings Menus](#) section on page 37.

Screencasting with a Smartphone, Tablet, or PC

Screencasting allows you to wirelessly cast content from smartphones, tablets, or PCs (using either the iOS, MacOS, Android, or Windows operating systems) that are connected to the same network as the projector.

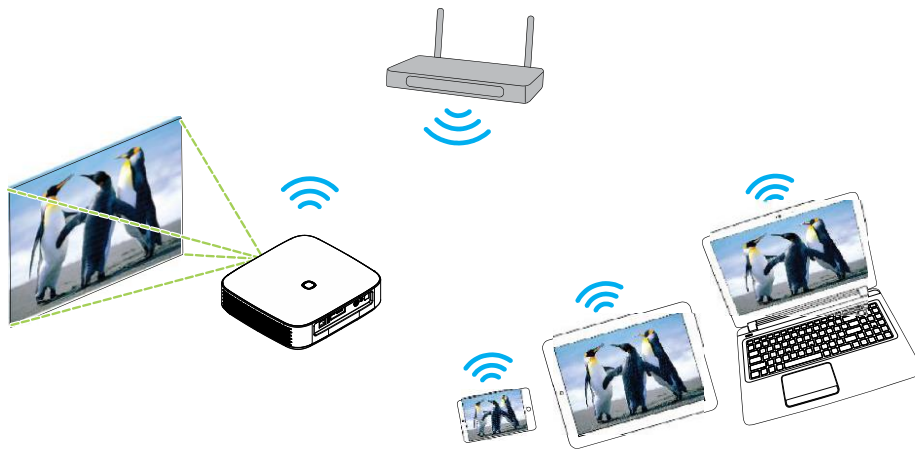
Before the Screencasting

1. Power on Q9. Refer to the **Powering On/Off the Projector** section on page 15.
2. Connect Q9 to a Wi-Fi network. Refer to the **Connecting to a Wi-Fi Network** section on page 19.
3. Connect your device to the same Wi-Fi network as Q9.



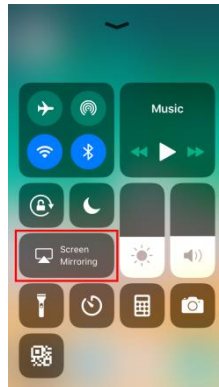
NOTE:

- Vivitek cannot guarantee the interoperability of all brands and models of the devices listed above on the market.
 - Some live-streaming applications such as Netflix, Disney+, etc. do not support screencasting via the Q9 projector.
 - DRM protected movies from iTunes do not support screencasting via Q9 .
-

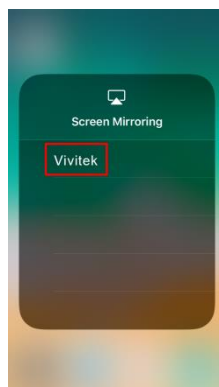


Screencasting with an iOS Device

1. Power on the projector. Refer to the **Powering On/Off the Projector** section on page 15.
2. Connect the projector to a Wi-Fi network. Refer to the **Connecting to a Wi-Fi Network** section on page 19.
3. Connect your device to the same Wi-Fi network as the projector.
4. Swipe down from the top of the device's screen to access the iOS control console, then tap the Screen Mirroring button.



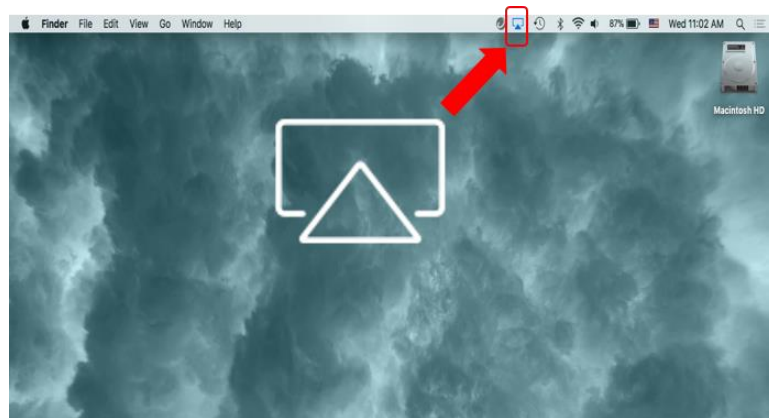
5. In the **Screen Mirroring** menu select the device name "Vivitek".



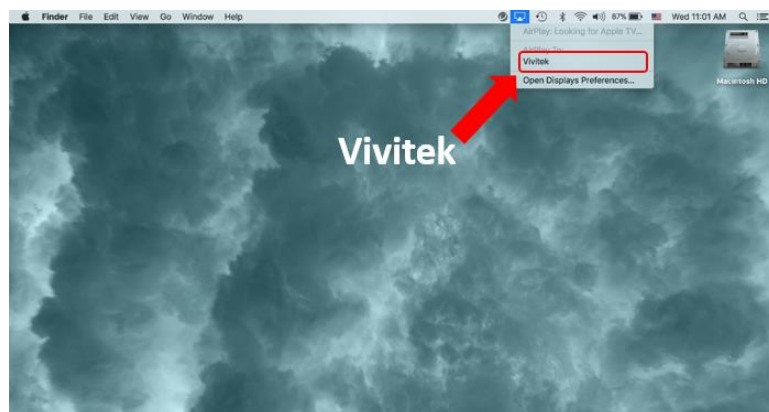
6. Your iOS device's screen will be displayed on the projector.

Screencasting with a MacOS Device

1. Power on the projector. Refer to the **Powering On/Off the Projector** section on page 15.
2. Connect the projector to a Wi-Fi network. Refer to the **Connecting to a Wi-Fi Network** section on page 19.
3. Connect your device to the same Wi-Fi network as the projector.
4. Open the status menu at the top of the screen and then click the Screen Mirroring button.



5. In the Screen Mirroring menu select the device name "Vivitek".



6. Your MacOS device's screen will be displayed on the projector.

Screencasting with an Android Device

1. Power on the projector. Refer to the **Powering On/Off the Projector** section on page 15.
2. Connect the projector to a Wi-Fi network. Refer to the **Connecting to a Wi-Fi Network** section on page 19.
3. Connect your device to the same Wi-Fi network as the projector.
4. Launch the wireless casting function on your device.





NOTE:

- Every Android smartphone/tablet brand uses a different name for their wireless casting feature. Check your device's user manual or call the device's support line to find out the name of your device's casting feature.
- Or you could use "Google Home" APP in your phone to do the casting process.

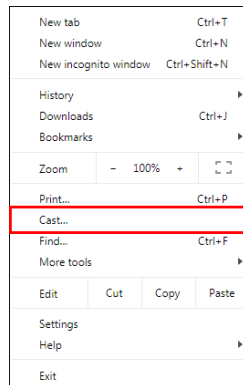
5. In the wireless casting menu select the device name "Vivitek".
6. Your Android device's screen will be displayed on the projector.

Screencasting with a Windows PC

1. Power on the projector. Refer to the **Powering On/Off the Projector** section on page 15.
2. Connect the projector to a Wi-Fi network. Refer to the **Connecting to a Wi-Fi Network** section on page 19.
3. Connect your PC to the same Wi-Fi network as the projector.
4. Launch the Chrome web browser  on your PC.
5. Click on the menu button  at the top right corner of the browser window.



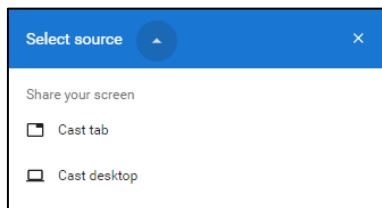
6. Select **Cast...** in the Chrome menu.



7. In the **Cast tab** menu select the device name “Vivitek”.



8. Select either **Cast tab** to cast the browser tab you are viewing, or **Cast desktop** to cast your PC's entire desktop.



9. Your Windows PC's screen will be displayed on the projector.

Playing from a Video Source (HDMI or Type-C)

To project a video from a device connected to the HDMI or Type-C port:

1. Connect the device to the projector. Refer to the **Making Connections** section on page 18.



NOTE:

- Q9 only supports playing video via the Type-C port from devices with DisplayPort functionality. If you are unsure whether your device supports DisplayPort functionality, consult your device's user manual or support personnel for further information.
- Please be aware that standard Type-C devices, ports, or cables only support data transfer and do not support direct projection. To project videos and images through the Q9's Type C (DisplayPort) port, a USB 3.1 Type C Gen 1 Cable is required.



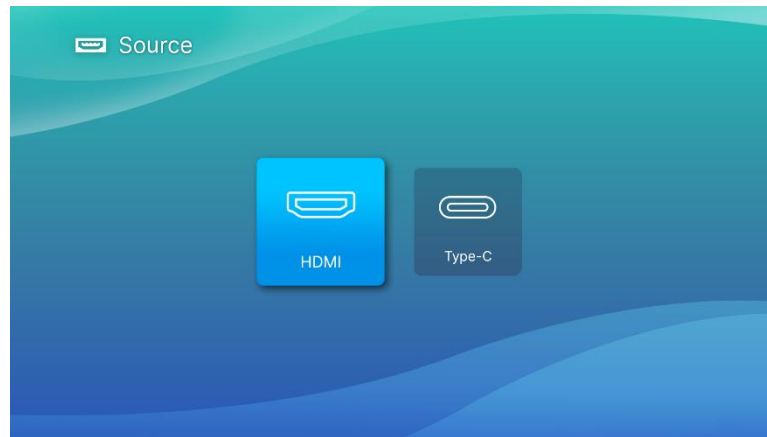
NOTE:

If you are already viewing video or playing music from a different source press the home (🏠) or exit (➡) button on the remote control to return to the home screen.

2. Using the remote control, select Source and press the enter (↵) button or (⏪) button.



3. Source selection pop up, and select the source you connected (HDMI or Type C)



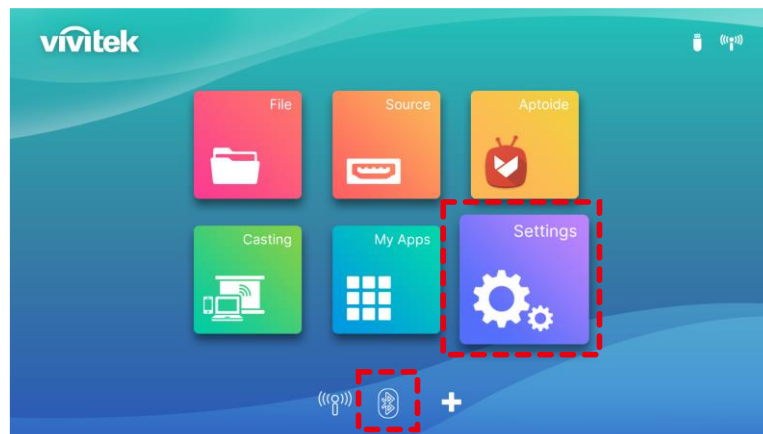
4. The video will automatically be projected onto the screen.
5. To control the video playback, use the control options directly from the video source. Press the exit (↩) button on the keypad or remote control to return to the home screen.

BLUETOOTH® CONNECTIONS

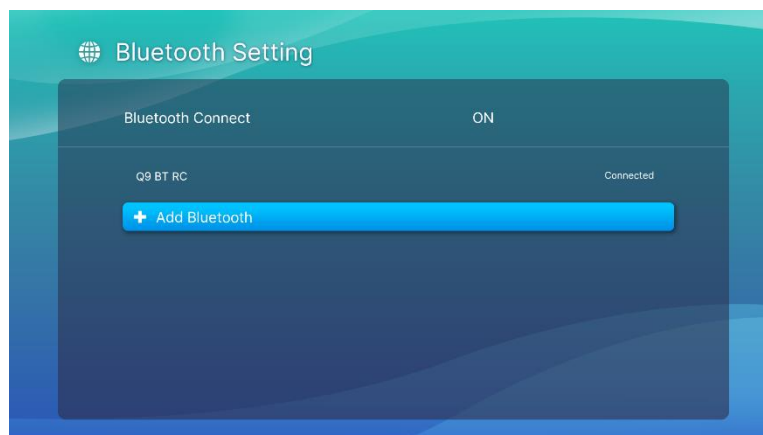
Connecting the Projector to Bluetooth Devices

You can also connect Q9 with other Bluetooth devices, such as an external speaker, headphones, or mouse/keyboard. To connect the projector to a Bluetooth device:

1. Using the remote control, select the Bluetooth button on the quick launch list or Bluetooth function in Network of Setting menu then press the enter (↵) button.



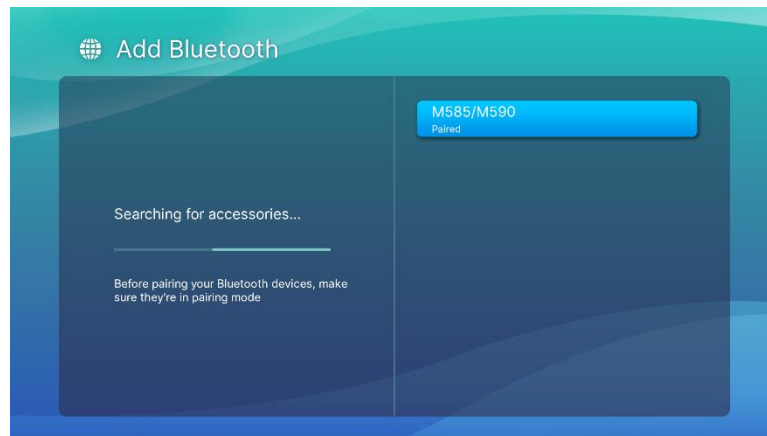
2. Set your Bluetooth device to pairing mode. Select your Bluetooth device from the devices list in the Bluetooth menu. Select Bluetooth connection ON and select add bluetooth and press enter, find the device and select to pairing mode.



NOTE:

It may take some time for your device to appear in the devices list in the Bluetooth menu. If after some time you are still unable to find your device in the devices list, please do the pairing process again.

3. Once **Connected** is shown as the status of your device in the Bluetooth menu, you will be able to use the device until Bluetooth is disconnected or the device is powered off.

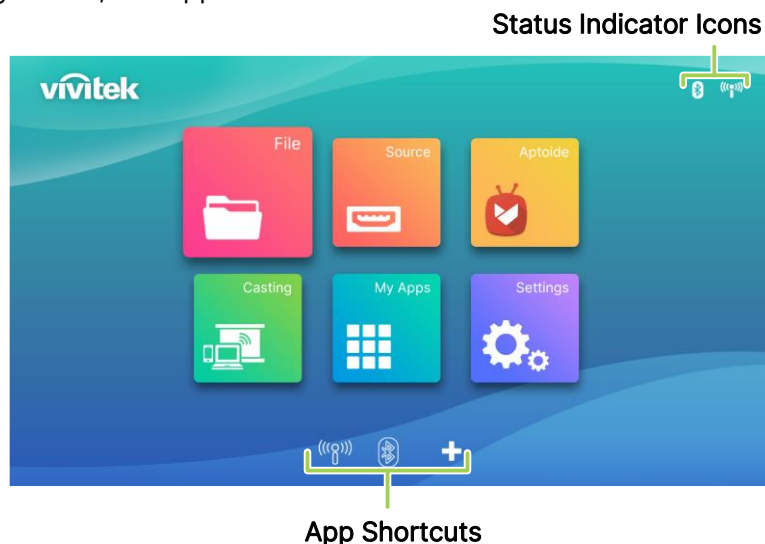


NOTE:

Do not turn off the Bluetooth mode arbitrarily. If you turn off the Bluetooth mode, the Bluetooth function of the Remote Control will be invalid, and only the IR function will remain.

THE HOME SCREEN

The home screen for Q9 allows you to view status indicator icons, and access category menus, the system settings menu, and app shortcuts:



Item	Description
Status Indicator Icons	Icons indicating the status for storage media inputs, Bluetooth connection, Wi-Fi connection, and battery charge.
File	Access the File management program to playing media files. See Playing Media Files from a Storage Device (USB Flash Drive or internal storage) on page 21.
Source	Switches the projector to the HDMI or Type-C display port input source. See Playing from a Video Source (HDMI or Type-C) on page 31.
Aptoide	Access the Aptoide App store to install APP as your need Note: Please be noted that the installed APP may have possibility not work because of compatibility issue.
Casting	Access and follow the instructions to connect your device. See Connecting to a Wi-Fi Network on page 19 or Connecting the Projector to Bluetooth Devices on page 33.
My Apps	Accesses the menu featuring all the apps installed on the projector.
Settings	Accesses the system settings menu. See Using the Settings Menus on page 37.
App Shortcuts	Customizable list of up to 6 app shortcuts.

Customizing the App Shortcuts on the Home Screen

To configure the apps included in the app shortcuts section of the home screen:



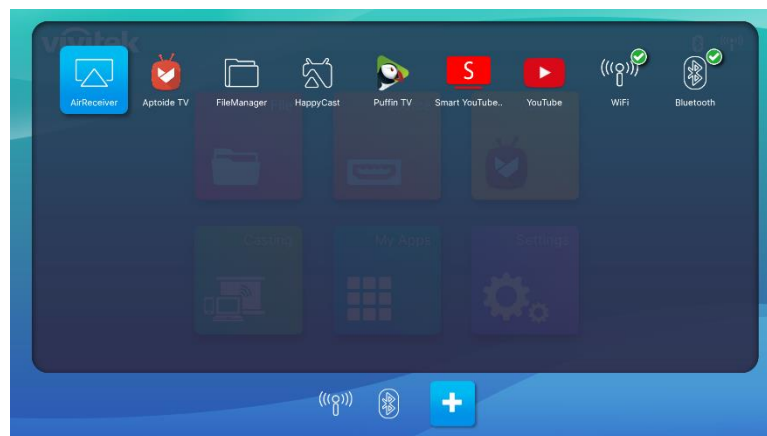
NOTE:

A maximum of 6 app shortcuts are allowed in the app shortcut section.

1. Using the keypad or remote control, select the + button on the home screen and press the enter (↵) button.



2. Select the app you want to add to the app shortcuts section and press the enter (↵) button so that a green checkmark is shown above the app icon. To remove an app from the app shortcut section select the app and press the enter (↵) button so that the green checkmark above the app icon is removed.



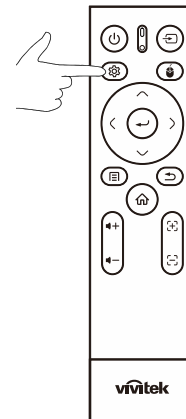
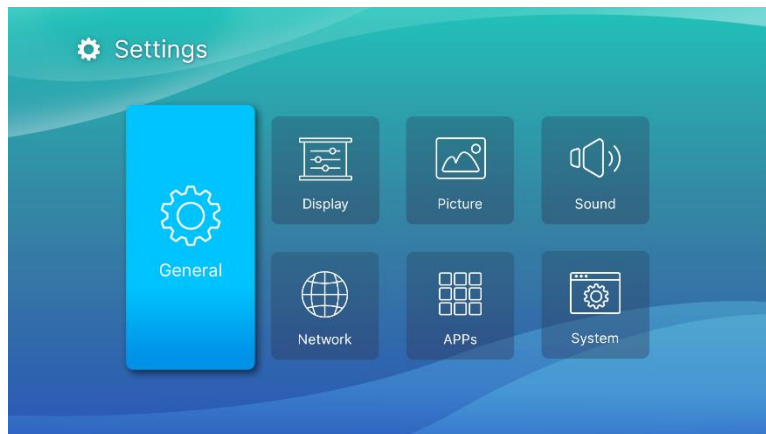
NOTE:

The sequence of the shortcuts in the app shortcuts menu is determined by the order in which the apps are selected. To reorder the sequence of apps de-select all apps and then re-select the apps based on the order that you want them to appear in the app shortcuts section.

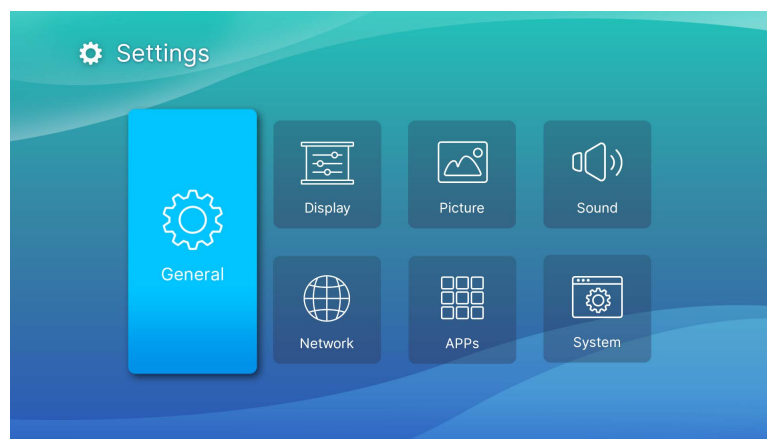
USING THE SETTINGS MENUS

The projector setting Menu allow you to configure Q9's all settings such as picture, sound, network, app, system update or restore and related system general settings.

1. Press the settings (⚙️) button on the remote control or Select Settings on the home screen and then press the enter (↵) button on the remote control.

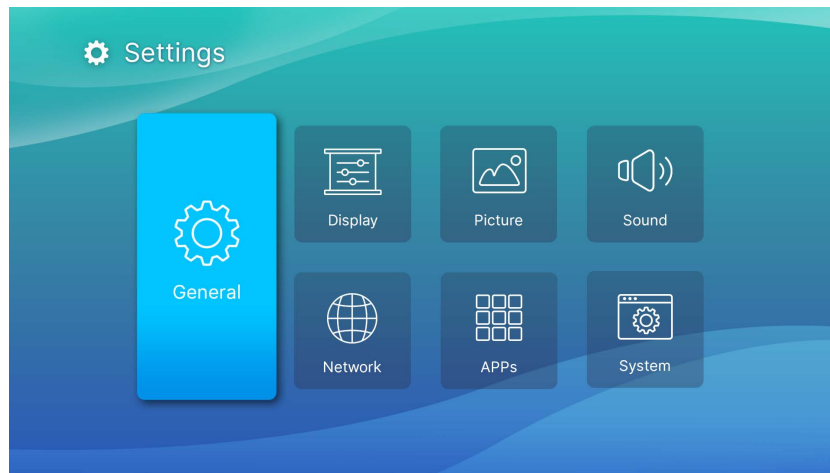


2. The System Settings menu will appear on the projected screen.



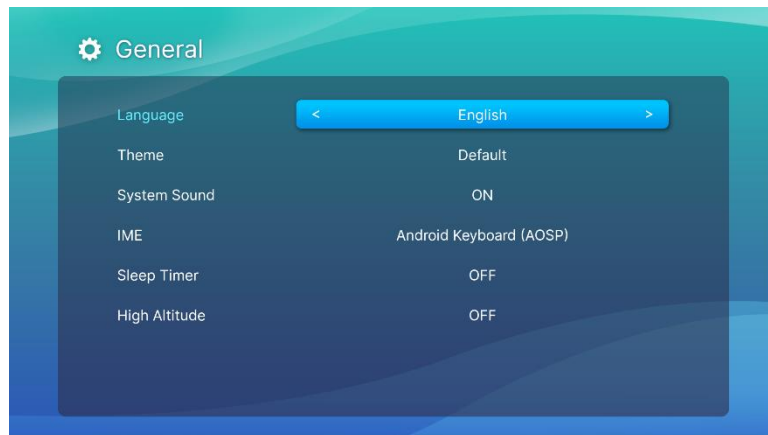
3. Use the following keys on either the remote control or the keypad to navigate the System Settings Menu:
 - Up (↑) or Down (↓) button to navigate to a menu category, sub-menu item, or sub-menu option.
 - Left (←) or Right (→) button to navigate to a sub-menu
 - Enter (↵) button to select a menu or sub-menu item/option
 - Exit (⏪) button to return to the previous menu or sub-menu

Settings



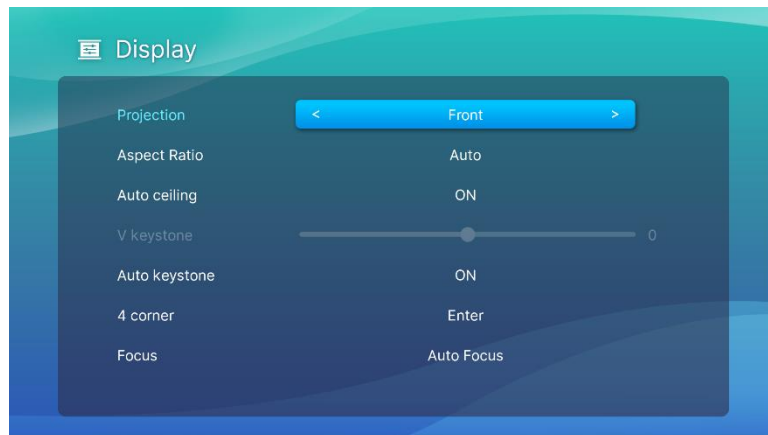
Category	Sub-Menu	Description
Settings	General	Allows you to setup the basic setting such as language, theme, and sleep timer and so on.
	Display	Allow you to set the projection condition to fit environment, such as projection, aspect ratio, 4 corner, keystone and focus.
	Picture	Allow you to set image preference mode to suit for playing content.
	Sound	Allow you to set sound mode as your playing audio.
	Network	Allow you to set up LAN / Wireless / Bluetooth function to add / remove or adjust setting.
	Apps	Allows you to control operations, view information, configure settings, and define system access/permissions for individual apps.
	System	Shows system information and also allow you to update or reset Q9 in this menu.

General



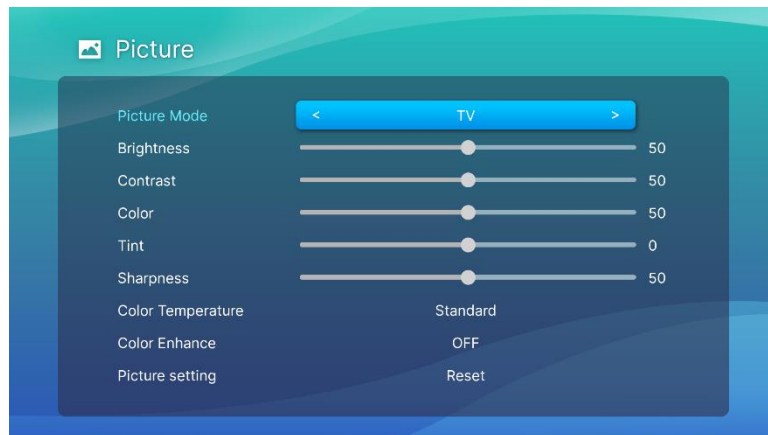
Category	Sub-Menu	Description
General	Language	Allows you to select the language for the system.
	Theme	Allows you to select different Main screen with icon style for the system.
	System Sound	Enables/Disables system-related sounds (such as clicking, and prompt sounds).
	IME	Allow you to set the keypad input language, if need add more input method, you many need to find available application kit to install.
	Sleep timer	Sets the amount of idle time before the projector automatically shuts off.
	High Altitude	Allow you to turn on Altitude Mode when located in high altitude areas

Display



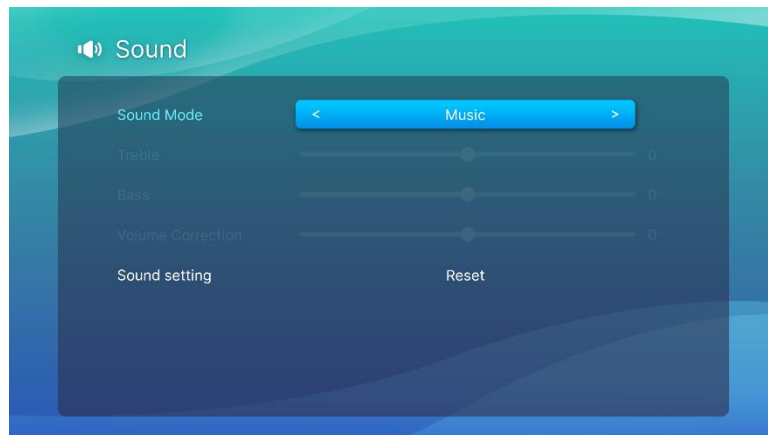
Category	Sub-Menu	Description
Display	Projection	Sets the position of the projector.
	Aspect ratio	Adjusts the screen ratio.
	Auto Ceiling	Image rotate automatically when projector install ceiling type, the default setting is ON.
	V keystone	Manually adjusts the keystone value, and when Auto keystone set ON, this function will disable.
	Auto keystone	Automatically adjusts the keystone setting.
	4 corner	"Allow you to correct the image distortion that may occur in a corner due to installation or
	Focus	

Picture



Category	Menu Item	Description
Picture	Picture Mode	Switches the display settings to pre-defined settings.
	Brightness	Allows you to adjust the detail of each picture mode properties
	Contrast	Allows you to adjust the detail of each picture mode properties
	Color	Allows you to adjust the detail of each picture mode properties
	Tint	Allows you to adjust the detail of each picture mode properties
	Sharpness	Allows you to adjust the detail of each picture mode properties
	Color Temperature	Allows you to set color temperature for each picture mode properties
	Color Enhance	Allow user to enhance the color in each picture mode
	Picture setting	Allow user to reset all setting in Picture mode

Sound



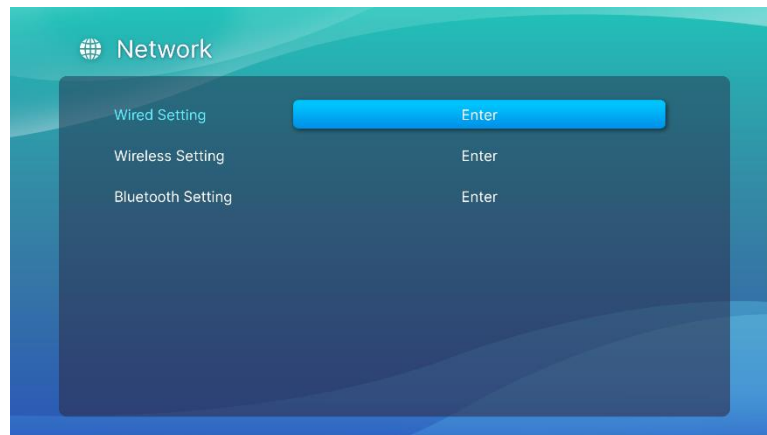
Category	Menu Item	Description
Sound	Sound Mode	Switches the display settings to pre-defined Sound settings.
	Treble	Allow you to adjust the setting of sound mode, and please noted the only Custom mode is adjustable.
	Bass	Allow you to adjust the setting of sound mode, and please noted the only Custom mode is adjustable.
	Volume correction	Allow you to adjust the setting of sound mode, and please noted the only Custom mode is adjustable.
	Sound setting	Allow user to reset all setting in Sound mode



NOTE:

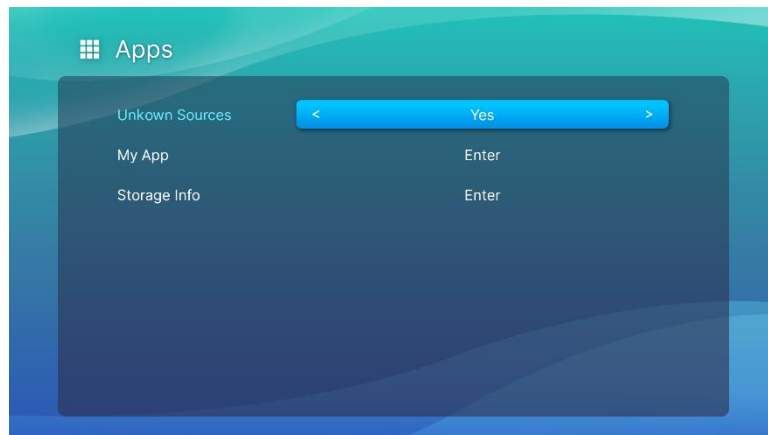
Only available to adjust Treble / Bass / Volume correction in User mode.

Network



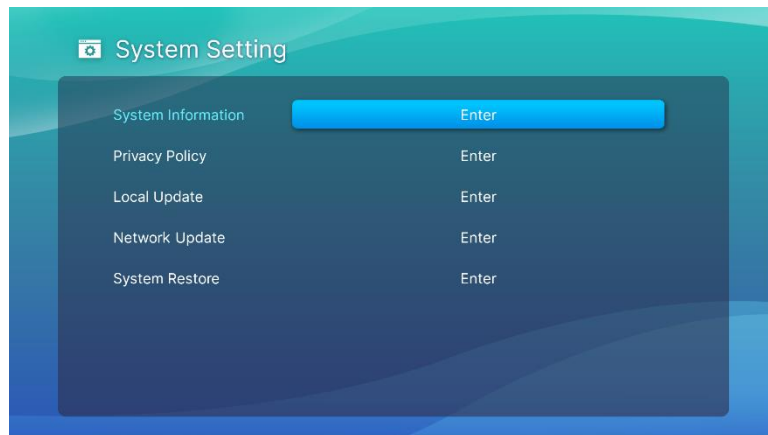
Category	Menu Item	Description
Network	Wired Setting	Allow user to set RJ45 Lan setting.
	Wireless Setting	Allows you to configure your Wi-Fi connection, and configure screen casting capabilities, please refer to Connecting to a Wi-Fi Network in page 19
	Bluetooth Setting	Allow user to set Bluetooth setting, please refer to Bluetooth® Connections in page 33

Apps



Category	Menu Item	Description
Apps	Unknown Sources	Need set Yes when you want to install APP with APK type.
	My App	Allows you to control operations, view information, configure settings, and define system access/permissions for individual apps.
	Storage Info	Allows you to view information regarding the projector's internal storage.

System Setting



Category	Menu Item	Description
System	System Information	Allows you to check the projector's information, such as model name, MAC address, and SW version
	Privacy Policy	Allows you to review legal information and Agreement.
	Local Update	Allows you to update the projector's firmware by USB storage.
	Network Update	Allows you to update the projector's firmware by checking the status and update on line. In addition, please note that this update file requirement may exceed 400MB, please pay attention to your network traffic restrictions.
	System Restore	Allow your reset the projector to factory defaults.

TROUBLESHOOTING/FAQ

These guidelines provide tips to deal with problems you may encounter while using Q9. If the problem remains unresolved, contact your dealer for assistance.

The problem sometimes can be as simple as improper connection of cables. Review the following possible issues before proceeding to the problem-specific solutions.

- Use another electrical device to confirm that the electrical outlet is properly working.
- Make sure that Q9 is turned on.
- Make sure all connections are securely connected.
- Make sure that the connected device is turned on.
- Make sure that the connected PC is not in suspended mode or sleep mode.

Tips

In each problem-specific section, perform the steps in the order suggested. Doing so may help solve the problem more quickly.

In order to avoid replacing non-defective parts, try to find and isolate the problem

Keep a record of the steps you take when troubleshooting. The information may be useful for reference when calling technical support or for bringing Q9 to service personnel.

Image Problems

Problem: No image appears on the screen.

1. Check whether the source (PC, Flash Drive, DVD Player, Set-top Box, etc....) is properly configured.
2. Turn off all of the equipment and power up the equipment again in the correct order.

Problem: The image is blurred.

1. Adjust the focus directly via Focus key on Remote, long press 2 sec for auto focus and short press to adjust focus manually.
2. Ensure that the distance between the Q9 and the screen is within specified range.
3. Clean Q9 lens with optical lens cleaning cloth if it is dirty.

Problem: The image is wider at the top or bottom (trapezoid effect).

1. Position Q9 so that it is as perpendicular to the screen as possible.
2. Adjust the Keystone settings in the Settings menu to correct the problem by either turning Auto Keystone on or by manually adjusting the keystone setting (Settings > Display > Vertical Keystone or Auto Keystone).

Problem: The image is reversed.

1. Check the image orientation of the Projector in the Settings menu (Settings > Display > Projection).

Screencasting Problems

Problem: Unable to find Vivitek in my device's casting list.

1. Ensure that both devices are in the same network and successfully connected
2. Restart AirReceiver on the projector several times (Check AirReceiver > Restart/Close > RESTART).
3. Change the device's discovery setting and check again (Check AirReceiver > Advanced Setting > Device Discovery Tweaks > Turn Off / On)

Problem: Casting is successful but the display screen is black.

1. Go to AirReceiver > Advanced Settings > Use Hardware (HW) Codec, turn off this feature and check again.

Problem: Unable to find the casting function in your Android smartphone/tablet.

1. The casting function might be located in the device's Setting > Wireless and network section or any function with Screen mirror or casting.
2. If you are still unable to find your device's casting function, visit Google Play to download and install a casting application (Example: Google Home). After successfully installing and launching Google Home, select Account from the Menu bar > and choose Mirror device to start casting.

Remote Control Problems

Problem: Q9 does not respond to the remote control commands.

1. Aim the remote control towards the front or rear sensor on the Q9.
2. Make sure the path between remote and sensor is not obstructed.
3. Turn off any fluorescent lights in the room.
4. Check to see if the battery polarity is correct.
5. Replace the batteries.
6. Turn off other infrared-enabled devices in the vicinity.
7. Have the remote control serviced.

Problem: The mouse key on remote does not work.

1. Press any key on remote and check the remote LED is green or red, if it is red, means bluetooth not pairing success.
2. Please follow the step of [Remote control Bluetooth pairing](#) on Page 12 for remote pairing process
3. Press any key again and check if remote LED is green, if yes, press mouse key and mouse cursor pop up on screen

Problem : The mouse cursor control is not stable and floating around.

1. Please turn off and on bluetooth function in Q9 setting page or remove remote battery and put back and try again.
2. check bluetooth connection list, and remove other device not in use.

Audio Problems

Problem: There is no sound.

1. Adjust the volume on the audio source.
2. Test the output of the audio source with other speakers.
3. If using Bluetooth, ensure that Q9 is in Bluetooth mode on and ensure that pairing has occurred.
4. Have Q9 serviced.

FAQs

1. **Is it possible to connect Q9 to a game console, such as a Microsoft® Xbox or Sony® PlayStation?**

Yes, Q9 can be used to display content from an Xbox or PlayStation console. This can be done by connecting the HDMI cable from the game console to Q9.

2. **Can Q9 project content from a television?**

Watching television content can be done by connecting a cable box, digital set-top box or satellite receiver directly to Q9. For example, if a cable box is used, it can be connected by an HDMI cable to Q9.

3. **How are images from a USB storage device displayed?**

Images and other content can be displayed by connecting the following devices to Q9:

- USB flash drive (USB Type A)

Once the devices are connected, images can be displayed by using Q9's embedded Photo Player.

4. **What is the USB Type C port used for?**

Q9's USB Type C port is used to connect with devices (Example: Smartphones*, Tablets*, Computers*) that support DisplayPort signal output via USB Type C support to play videos and images. A USB Type C to USB Type C data transfer compatible cable (not included) is required.

*Not all USB Type C enabled devices support DisplayPort transmission functionality to play videos and images. Check your device's user manual or other documentation to make sure that it can support DisplayPort transmission functionality for USB Type C.

5. **Which cable is required for video devices to be connected with Q9?**

Video devices can be connected to Q9 by using an HDMI cable if the video devices contain an HDMI appropriate output port.

6. **What type of video formats does Q9 support?**

AVI//VOB/MOV/MKV/DAT/MPG/MP4

7. **What type of audio formats does Q9 support?**

MP3/WMA/M4A/AAC

8. **What type of photo formats does Q9 support?**

JPG/JPEG/BMP/PNG

9. **How long will the LED light source in Q9 last and can it be replaced?**

Q9 does not use a typical light source. It uses a set of Light Emitting Diodes (LED) to illuminate and project images. LED's have a greater lifespan than conventional lamps. The Q9's LED is estimated to last for approximately 30,000 hours. The lifespan of the LED depends on factors such as brightness, usage, environmental conditions. LED brightness can decrease over time. The LED module is not replaceable.

10. **I've lost my remote. Where can I get a replacement?**

Contact your Reseller or Vivitek Service via www.vivitekcorp.com (select region) to obtain a replacement remote (Charges may be applied).

11. **Why won't Q9 recognize my USB flash drive?**

The USB flash drive must be formatted in FAT32, FAT16 or NTFS.

12. **Why won't some App Store or third party "sideload" APK applications run properly on Q9?**

Many applications run smoothly on Q9 without issue, however interoperability with all applications available from the App Store or with third party APK installations are not assured. Some applications have a minimum version of Android or other system requirements, so it is recommended to check an application's system requirements before installing onto Q9.

13. **Why won't some apps or videos wirelessly cast (or stream) content from my mobile device to Q9?**

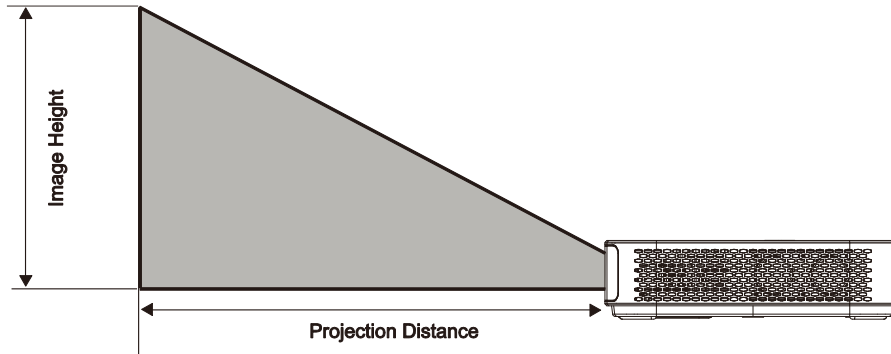
While many protocols and apps have been tested to wirelessly cast (or stream) content smoothly to Q9, sometimes there are regional restrictions or compatibility issues for video streaming from a mobile device to Q9. It is recommended to contact your mobile device manufacturer, telecom provider or application developer for compatibility and limitations.

Vivitek Support Site

Please visit www.vivitekcorp.com and select your region for more information, support and product registration.

ADDITIONAL INFORMATION

Projection Distance vs Projection Size



Projection Distance (cm/inch)		Image Diagonal (cm/inch)		Image Width (cm/inch)		Image Height (cm/inch)	
100.0	39.4	95.0	37.4	82.8	32.6	46.6	18.3
107.0	42.1	101.6	40.0	88.6	34.9	49.8	19.6
134.0	52.8	127.0	50.0	110.7	43.6	62.3	24.5
161.0	63.4	152.4	60.0	132.8	52.3	74.7	29.4
189.0	74.4	177.8	70.0	155.0	61.0	87.2	34.3
216.0	85.0	203.2	80.0	177.1	69.7	99.6	39.2
243.0	95.7	228.6	90.0	199.2	78.4	112.1	44.1
270.0	106.3	254.0	100.0	221.4	87.2	124.5	49.0
300.0	118.1	281.9	111.0	245.7	96.7	138.2	54.4
324.0	127.7	304.8	120.0	265.7	104.6	149.4	58.8
406.0	159.8	381.0	150.0	332.1	130.7	186.8	73.5
487.0	191.8	457.2	180.0	398.5	156.9	224.1	88.2
(*) 542.0	213.2	208.0	200.0	442.8	174.3	249.1	98.1



NOTE:

The offset table has a 10% tolerance due to optical component variations.

(*) The size chart is for installation reference.

Timing Mode Table

No	OSD Display	Specification			
		Resolution	H-freq(KHz)	V-freq(Hz)	Pixel clock (MHz)
1	720x480i 60Hz	720(1440)x480i	15.734	59.940	27.000
2	720x576i 50Hz	720(1440)x576i	15.625	50.000	27.000
3	720x483 60Hz	720x483(480P)	31.469	59.940	27.000
4	720x576 50Hz	720x576(576P)	31.250	50.000	27.000
5	1280x720p 60Hz	1280x720p	45.000	60.000	74.250
			44.955	59.940	74.176
6	1280x720p 50Hz		37.500	50.000	74.250
7	1920x1080i 60Hz	1920x1080i	33.750	60.000	74.250
			33.716	59.940	74.176
8	1920x1080i 50Hz		28.125	50.000	74.250
9	1920x1080p 24Hz	1920x1080p	27.000	24.000	74.250
			26.970	23.980	74.176
10	1920x1080p 60Hz	1920x1080p	67.500	60.000	148.500
			67.433	59.940	148.352
11	1920x1080p 50Hz		56.250	50.000	148.500
12	640x480,60Hz	640x480	31.469	59.940	25.175
13	640x480,67Hz		35.000	66.667	30.240
14	640x480,72Hz		37.861	72.809	31.500
15	640x480,75Hz		37.500	75.000	31.500
16	640x480,85Hz		43.269	85.008	36.000
17	800x600,56Hz	800x600	35.156	56.250	36.000
18	800x600,60Hz		37.879	60.317	40.000
19	800x600,72Hz		48.077	72.188	50.000
20	800x600,75Hz		46.875	75.000	49.500
21	800x600,85Hz		53.674	85.061	56.250
22	832x624,75Hz	832x624	49.725	74.550	57.283
23	1024x768,60Hz	1024x768	48.363	60.004	65.000
24	1024x768,70Hz		56.476	70.069	75.000
25	1024x768,75Hz		60.023	75.029	78.750
26	1024x768,85Hz		68.678	84.997	94.500
27	1152x864,70Hz	1152x864	63.995	70.020	94.200
28	1152x864,75Hz		67.500	75.000	108.000
29	1280x720,60Hz	1280x720	44.772	59.855	74.500
30	1280x768,60Hz	1280x768	47.776	59.870	79.500
31	1280x768,75Hz		60.289	74.893	102.250
32	1280x768,85Hz		68.630	84.840	117.500
33	1280x800,60Hz	1280x800	49.702	59.810	83.500
34	1280x800,75Hz		62.795	74.934	106.500
35	1280x800,85Hz		71.554	84.880	122.500
36	1280x960,60Hz	1280x960	60.000	60.000	108.000

No	OSD Display	Specification			
		Resolution	H-freq(KHz)	V-freq(Hz)	Pixel clock (MHz)
37	1280x1024,60Hz	1280x1024	63.981	60.020	108.000
38	1280x1024,72Hz		78.16	71.97	135.060
39	1280x1024,75Hz		79.976	75.025	135.000
40	1280x1024,85Hz		91.146	85.024	157.500
41	1366x768,60Hz	1366x768	47.720	59.799	84.750
42	1400x1050,60Hz	1400x1050	65.317	59.978	121.750
43	1400x1050,75Hz		82.278	74.867	156.000
44	1440x900,60Hz	1440x900	55.935	59.887	106.500
45	1600x900,60Hz	1600x900	55.920	60.000	118.998
46	1600x1200,60Hz	1600x1200	75.000	60.000	162.000
47	1680x1050,60Hz	1680x1050	65.290	59.954	146.250
48	1920x1080,60Hz	1920x1080	66.587	59.934	138.500
49	1920x1200,60Hz	1920x1200	74.038	59.950	154.000
50	3840x2160,30Hz	3840x2160	297.000	67.500	30.000

Specifications

Projector Specifications	
Model No.	Q9
Native Resolution	1080p (1920 x 1080)
Maximum Resolution	4K 3840x2160 @ 30Hz
Throw Ratio (Distance/Width)	1.21:1
Aspect Ratio	16:9 Native
Keystone Correction	Vertical $\pm 30^\circ$
Operation System	Android™
Wireless	802.11a/b/g/n/ac 2,4+5GHz
Bluetooth®	BT 4.2 with BLE
RAM/ Storage	2GB / 16GB (11GB User Availability)
Speakers	3W x 2 with Diaphragm
Tripod Mount	Yes (Standard 1/4-20 L6.3 mm camera mount hole)
Ceiling Mount	Yes
Adjustment Foot	Stepless adjustable feet
I/O Connection Ports	Type C(Display Only), HDMI v2.0a, Audio Out (3.5mm) USB 2.0 (Type A 5V/1A) for Wi-Fi/BT dongle, USB 3.0 (Type A 5V/1.0A) for Media Files, LAN (RJ45)
Projection Method	Table Top, Ceiling Mount (Front or Rear)
Dimensions (W x D x H)	240 x 222 x 59mm (6.9" x 4.0" x 1.2")
Weight (Approximate)	1.46kg (51.4oz)
Power Adaptor	AC 100-240V, 50/60Hz, 120W 19V6.0A
Environmental Operation Condition	0~40°C, 20- 85% (No Condensation)
Environmental Storage Condition	-20 - 60°C , 10- 85% (No Condensation)



NOTE: For questions regarding product specifications, please contact your local dealer.



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