vivitek®

QUMI

Q5 / Q4 Series

User Manual
用戶手冊
用户手册
Manual del usuario
Manuel de l'utilisateur
Benutzerhandbuch
사용자 설명서
Руководство пользователя
Gebruikershandleiding
Instrukcja obsługi
Uživatelská příručka
Εγχειρίδιο χρήσης
Kullanım Kılavuzu
Manuale d'uso
Handbok
Brugervejledning
Brukerveiledning
Käyttöohje
Felhasználói kézikönyv
دليل المستخدم
Manual do Usuário
ユーザーマニュアル

Preface

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Important Safety Information

Symbols Used

Warning symbols are used on the unit and in this manual to alert you of hazardous situations.

The following styles are used in this manual to alert you 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 the remote control to open the **Main** menu."

General Safety Information

- Do not open the unit case. There are no user-serviceable parts in the unit. For servicing, contact qualified service personnel.

- Follow all warnings and cautions in this manual and on the unit case.

- The projection light source is extremely bright by design. To avoid damage to eyes, do not look into the lens when the LED illumination is on.

- Do not place the unit on an unstable surface or stand.

- Avoid using the system near water, in direct sunlight, or near a heating device.

- Do not place heavy objects such as books or bags on the unit.

Qumi Installation Notice

- Allow at least a 50cm clearance around the exhaust vent.

Minimum 100mm

Minimum 500mm
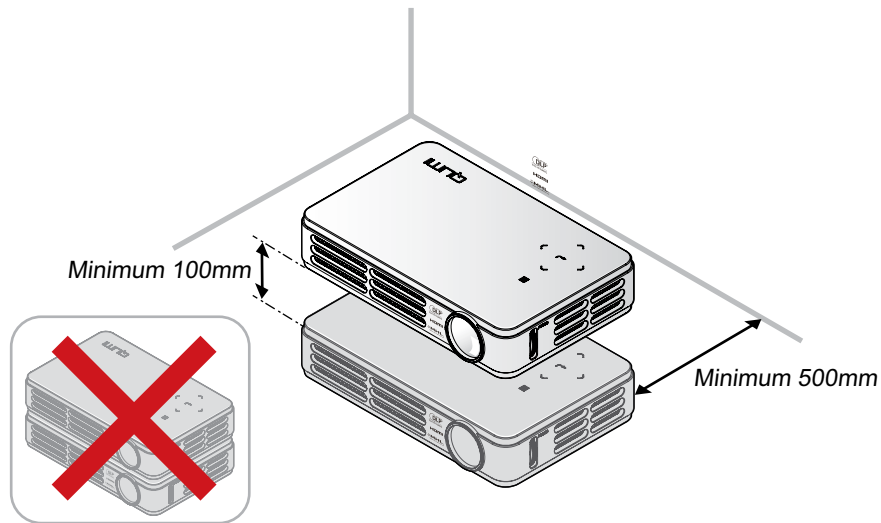
- Make sure that the intake vents do not recycle hot air from the exhaust vent.

- When operating the Qumi in an enclosed space, make sure that the surrounding air temperature within the enclosure does not exceed operating temperature while the Qumi is running, and the air intake and exhaust vents are unobstructed.

- All enclosures should pass a certified thermal evaluation to make sure that the Qumi does not recycle exhaust air, as this may cause the device to shutdown even if the enclosure temperature is with the acceptable operating temperature range.

⚠️ *Caution:*
Avoid using the Qumi in dusty environments.

Power 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 the Qumi

- Unplug the cord before cleaning. See *Cleaning the Qumi* on page 42.

> *Note:*
> *The Qumi will be warm after usage. Allow Qumi to cool down before storing in a compartment.*

Regulatory Warnings

Before installing and using the Qumi, read the regulatory notices in the *Regulatory Compliance* on page 51.

Symbol Explanations

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.

Main Features

- Lightweight unit, easy to pack away and transport.

- Compatible with all major video standards including NTSC, PAL, and SECAM.

- A high brightness rating allows for presentations in daylight or in lit rooms.

- Supports data resolution up to UXGA at 16.7 million colors to deliver crisp, clear images.

- Flexible setup allows for front, rear, ceiling and rear ceiling projections.

- Line-of-vision projections remain square, with advanced keystone correction for angled projections.

- Input source automatically detected.

About this manual

This manual is intended for end users and describes how to install and operate the Qumi. 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.
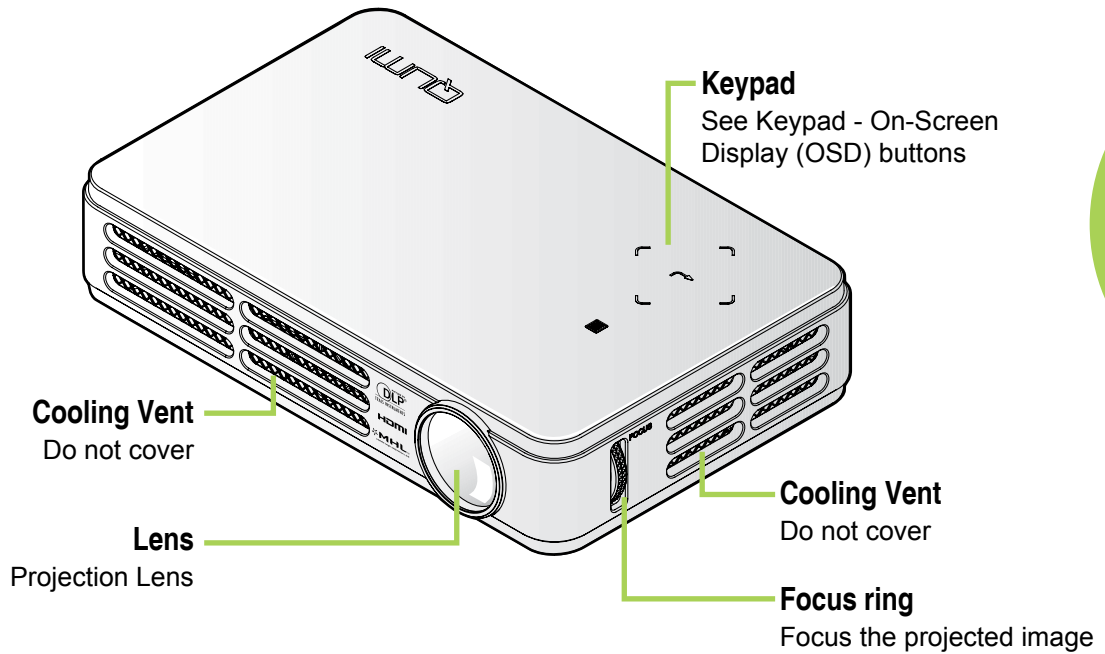
Table of Contents

Chapter 1 At a Glance

Overview

Front/Top/Right View

Keypad
See Keypad - On-Screen
Display (OSD) buttons

Cooling Vent
Do not cover

Lens
Projection Lens

Cooling Vent
Do not cover

Focus ring
Focus the projected image

Keypad

Menu
Open and exit the OSD
buttons

Up Cursor
Navigate and change settings
in the OSD

Enter Cursor
Change settings in the OSD

Left Cursor
Navigate and change settings
in the OSD

Right Cursor
Navigate and change settings
in the OSD

Down Cursor
Navigate and change settings
in the OSD

Rear/Top/Left View

DC In
Connect the supplied power adapter

Audio Out
Connect an audio cable to speakers or headphones

AV In
Connect the AV IN cable from a video device

USB
Connect an USB drive

Power Switch
Turn on/off the Qumi

Universal I/O
Connect a RGB or component cable from a device

HDMI/MHL
Connect a HDMI/MHL cable from a HDMI/MHL device

IR Receiver
Receive IR signal from the remote control

Bottom View

Rubber Foot Pad
Stability and maintain cooling ventilation

Cooling Vent
Do not cover

Docking Connector (Only Available in Q5 Series)
Dock to optional battery pack
(Remove the sticker before use)

Tripod Connecting Slot (Only Available in Q5 Series)
Tripod not included
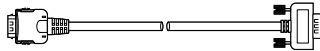(Remove the sticker before use)

Standard Accessories

Along with the Qumi, the following accessories are included:

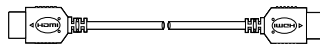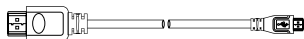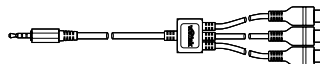|	
	Remote Control (With one 3V CR2025 battery)
	VGA Cable
	Regional Power Cord and Power Adapter
	Documentation Kit (User Manual, Quick Start Guide, Warranty Card)
	Cable Cores*
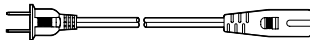
Optional Accessories

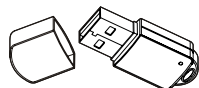|	
	Standard HDMI Cable
	MHL cable
	Carrying Case
	Audio/Video Cable
	Q5 WIFI Dongle (for Q5 Series only)

Contact your dealer immediately if any items are missing, appear damaged, or if the unit does not work. It is recommended that you keep the original packing material should you ever need to return the equipment for warranty service.
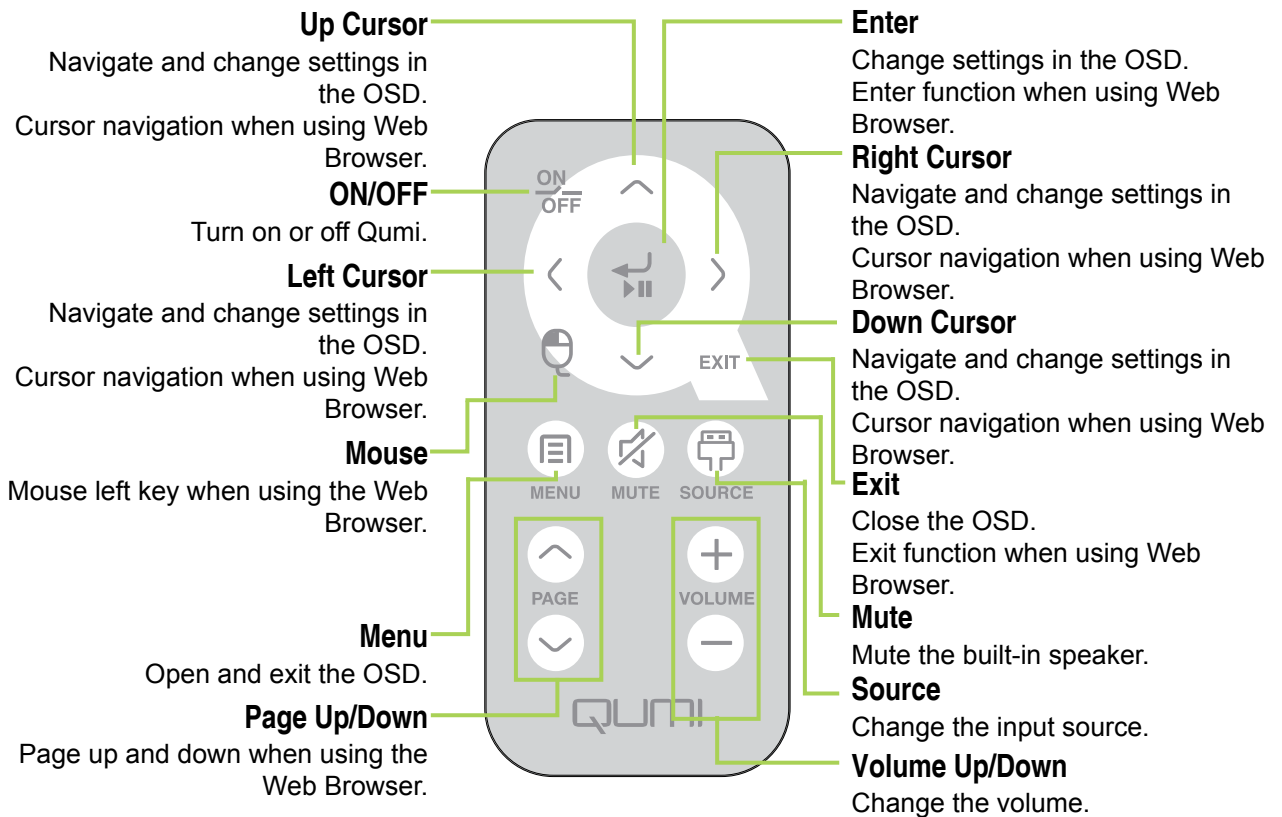
> *Note*:
> *Accessories will vary from model to model.*
> ** To ensure a high quality performance from your projection and to prevent electromagnetic interference (EMI), equip the VGA or HDMI video source cable with the included cable cores.*

Remote Control

Up Cursor
Navigate and change settings in the OSD.
Cursor navigation when using Web Browser.

ON/OFF
Turn on or off Qumi.

Left Cursor
Navigate and change settings in the OSD.
Cursor navigation when using Web Browser.

Mouse
Mouse left key when using the Web Browser.

Menu
Open and exit the OSD.

Page Up/Down
Page up and down when using the Web Browser.

Enter
Change settings in the OSD.
Enter function when using Web Browser.

Right Cursor
Navigate and change settings in the OSD.
Cursor navigation when using Web Browser.

Down Cursor
Navigate and change settings in the OSD.
Cursor navigation when using Web Browser.

Exit
Close the OSD.
Exit function when using Web Browser.

Mute
Mute the built-in speaker.

Source
Change the input source.

Volume Up/Down
Change the volume.

⚠️ *Important:*
1. Be sure nothing obstructs the path between the remote control and the Qumi. If the path between the remote control and the Qumi is obstructed, the signal can bounce off certain reflective surfaces.
2. The buttons and keys on the Qumi have the same layout and similar functions as the corresponding buttons on the remote control. This user's manual describes the functions based on the remote control.

Note:
The Web Browser and the speaker are only available in the Q5 Series

Qumi and Remote Control Buttons

The Qumi can be operated using the remote control or the keypad on the top of the Qumi. All operations can be carried out with the remote control; however, the keypad on the Qumi carries out the same operations as the remote control by pressing a combination of keys.

The remote control is not only used to navigate the cursor in the menus, but can also be used to control the media functions (music and video playback). For more details about how to control the media functions with the remote control, please refer to 14.

Media Player Screen

The media player screen is the main interface for the Qumi Q5 Series. If a USB drive is plugged in when powering on the Qumi, the media player screen appears. In the media player screen, you can choose the type of media to display by selecting:

- Music – A music player that supports many types of audio files, ready to play music.

- Movie – An easy to use movie player that displays multiple movie formats.

- Photo – A photo viewer that contains slide show functionality.

- Office Viewer – A document viewer that displays documents.

- Wifi Display – Use this to configure the connection to a wireless access point.

- Web Browser – A Web Browser for surfing the Internet.

- Wifi – Use this to choose a Wi-Fi access point.

- Settings – The settings of the Qumi can be adjusted in this menu.

Note:
Wifi & WebBrowser functions are only available with Q5's optional dongle.
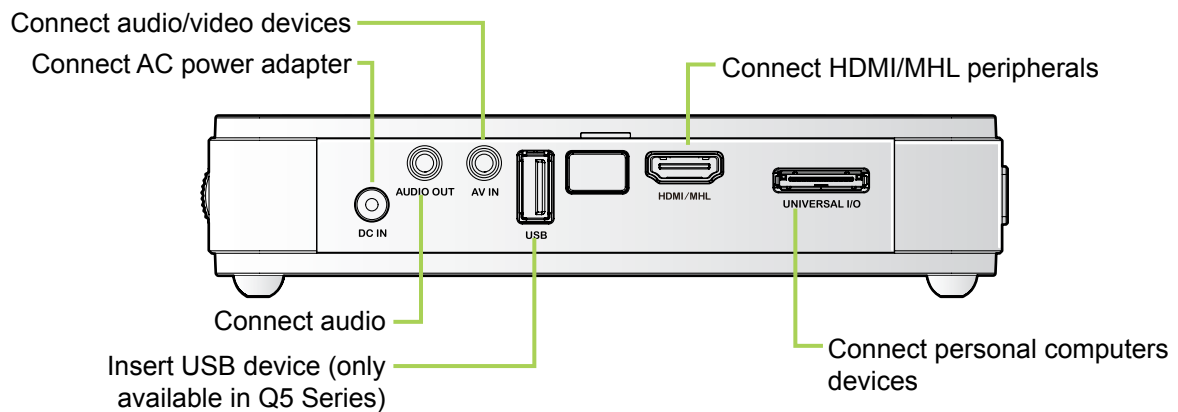*Qumi media suite is only available in Q5 Series.*

Chapter 2 Getting Started

What You Need

Many types of external devices and peripherals can be connected to the Qumi. External or portable music players can be connected to play music. DVD, VCD and VHS players can be connected to play movies. Camcorders and digital cameras can also be used to play videos and display photos. Computers can be connected, as well as peripherals such as USB drives to display documents and other types of media.

These devices can be connected to the Qumi by using an appropriate cable. Make sure that the connecting device has an appropriate output connector.

Connect audio/video devices

Connect AC power adapter

Connect HDMI/MHL peripherals

AUDIO OUT   AV IN   HDMI/MHL   UNIVERSAL I/O

DC IN   USB

Connect audio

Insert USB device (only available in Q5 Series)

Connect personal computers devices

⚠ *Warning*:
As a safety precaution, disconnect all power to the Qumi and connecting devices before making connections.
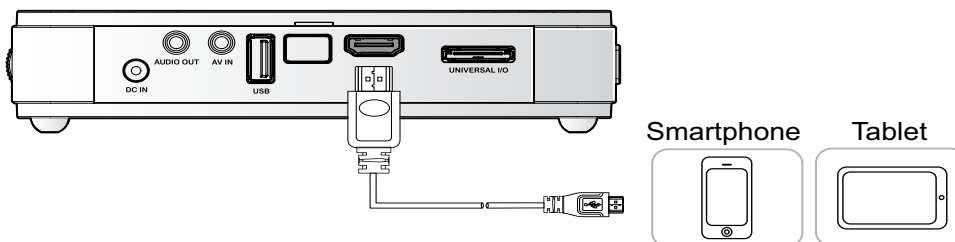
Setting Up Qumi

Connecting Peripherals by HDMI

Connect HDMI-compatible peripherals to the Qumi by using an HDMI cable (Optional).
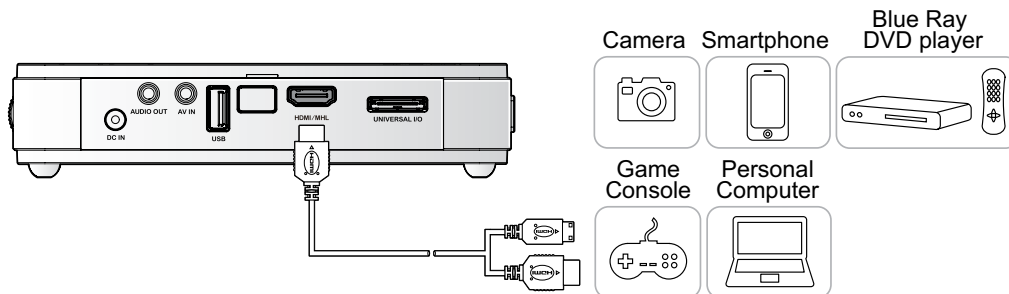
Connecting to an MHL Device

Connect your Qumi to a MHL-compatible device by using an MHL cable.(Optional)
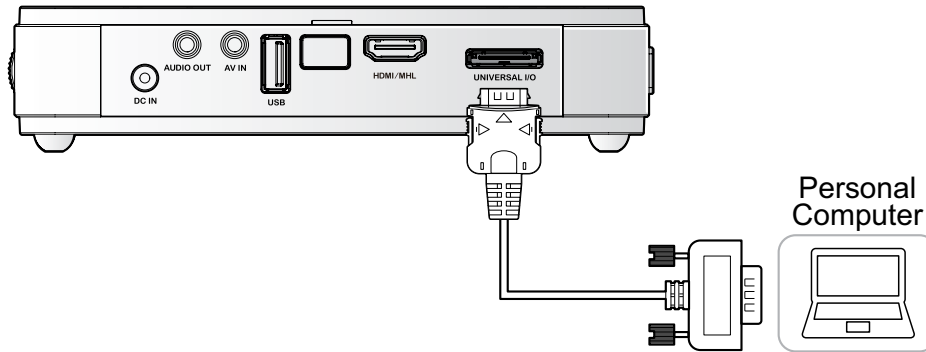

Note:
For some MHL compatible devices, whose output is not thru micro-USB, an extra cable adaptor may be required.

Connecting Personal Computers

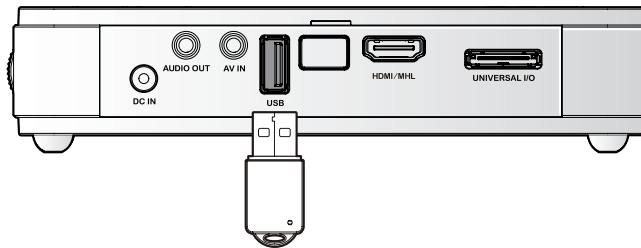Connect a personal computer to the Qumi by using the VGA cable.

Personal
Computer

> **Note:**
> The personal computer must have a VGA output port to use the VGA cable to connect to the Qumi.

Inserting a USB Drive

Connect a USB drive to the Qumi by inserting the storage device(s) into the appropriate port.
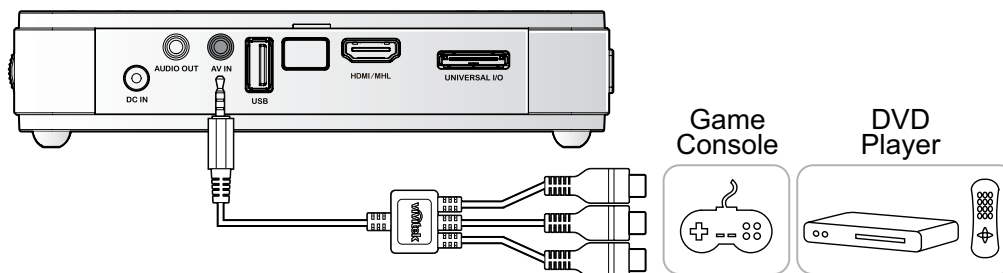
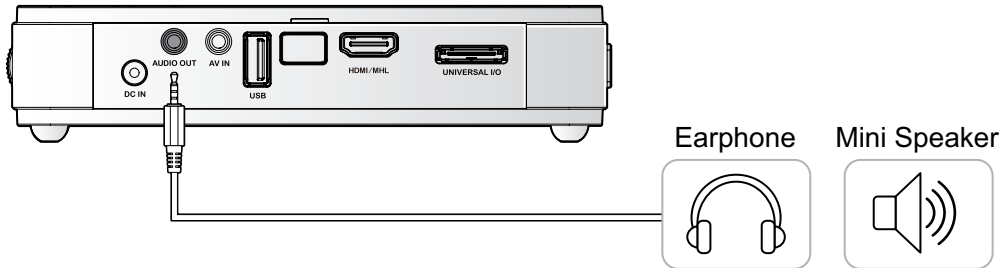> **Note:**
> The feature is only available in Q5 Series.

Connecting Video

Connect video devices to the Qumi by using the audio/video cable.(Optional)

Game
Console

DVD
Player

8

Connecting Audio

Connect earphones or mini speakers to the Qumi by inserting into the Audio Out port.
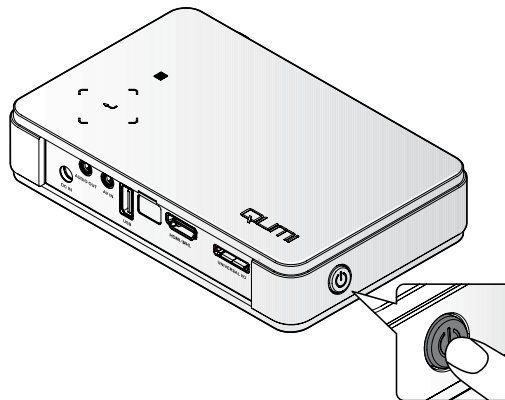
Earphone   Mini Speaker

Starting and Shutting down the Qumi

1. Connect the AC power adapter to the Qumi. Connect the other end of the AC power adapter to a wall outlet.

> *Note:*
> *Adapter models may vary between regions.*
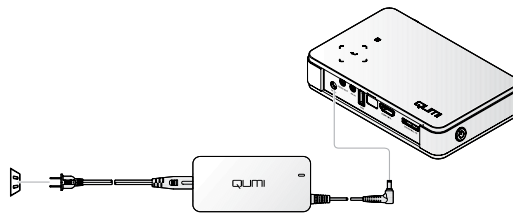
2. Press the ⏻ **POWER** button to turn on the Qumi.

The Qumi splash screen displays and connected devices are detected.

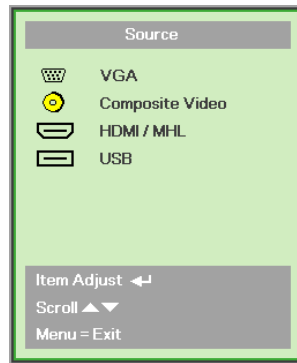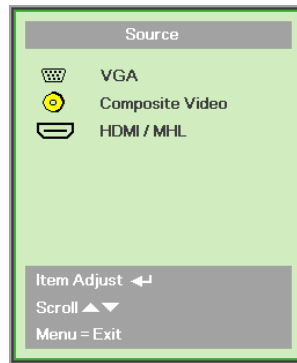See *Setting an Access Password (Security Lock)* on page 11 if security lock is enabled.

3. If more than one input device is connected, press the SOURCE button on the remote control and use the ▲ or ▼ buttons to select the applicable device or press ▲ and ▼ or ◄ and ► at the same time on the keypad on the Qumi.

- VGA: Analog RGB, Component: DVD input YCbCr / YPbPr, or HDTV input YPbPr

- Composite Video: Traditional composite video

- HDMI/MHL: HDMI / DVI / MHL
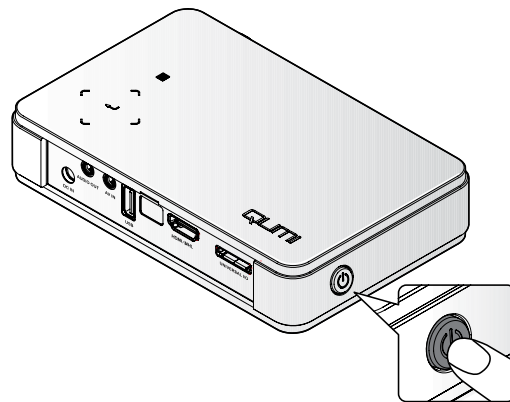
- USB: USB disc(Available in Q5 Series)

Source	
▦	VGA
◉	Composite Video
⎓	HDMI / MHL
⎓	USB

Item Adjust ◄┘
Scroll ▲▼
Menu = Exit

Q5

Source	
▦	VGA
◉	Composite Video
⎓	HDMI / MHL

Item Adjust ◄┘
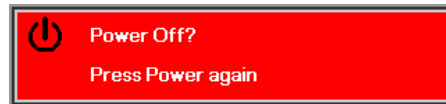Scroll ▲▼
Menu = Exit

Q4

4. Press the ⏻ **POWER** button to turn off the Qumi.
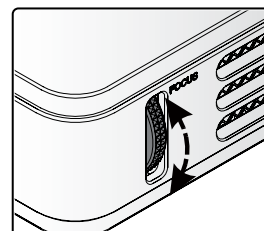
5. When the "Power Off? /Press Power again" message appears, press the ⏻ **POWER** button. The projector turns off.

⏻ Power Off?

Press Power again

Adjusting the Image

If the projected image is not clear, the image can be adjusted by moving the focus ring up or down until the image is clear.
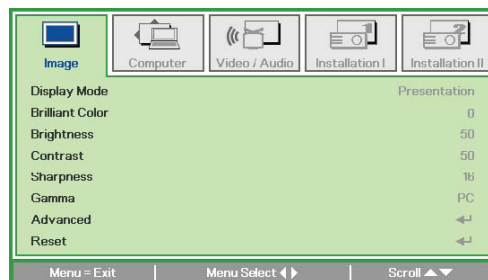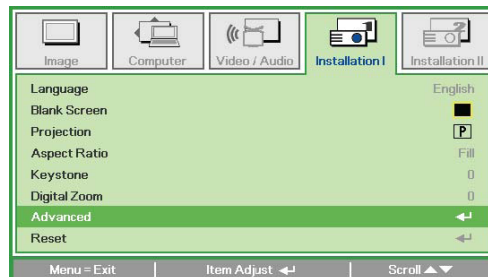
Setting an Access Password (Security Lock)

To prevent unauthorized use of the Qumi, you can create a password. When the access password function is enabled, the password must be entered after the Qumi has been turned on.

Creating a password can be done by performing the following steps:

1. Press the **MENU** button on the remote control or press **MENU** and ↵ on the keypad simultaneously to open the On-Screen Display (OSD) menu.

Image	Computer	Video / Audio	Installation I	Installation II

Display Mode	Presentation
Brilliant Color	0
Brightness	50
Contrast	50
Sharpness	16
Gamma	PC
Advanced	↵
Reset	↵

Menu = Exit | Menu Select ◀▶ | Scroll ▲▼

2. Move the cursor to the **Installation I** tab and scroll down to select Advanced.

Image	Computer	Video / Audio	**Installation I**	Installation II

Language	English
Blank Screen	■
Projection	P
Aspect Ratio	Fill
Keystone	0
Digital Zoom	0
Advanced	↵
Reset	↵

Menu = Exit | Item Adjust ↵ | Scroll ▲▼

3. Press the ▲ or ▼ button to select **Security Lock**.

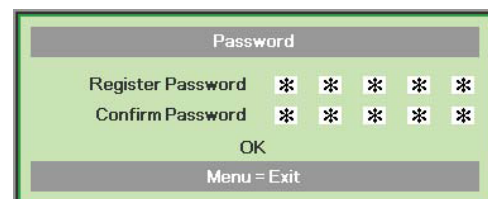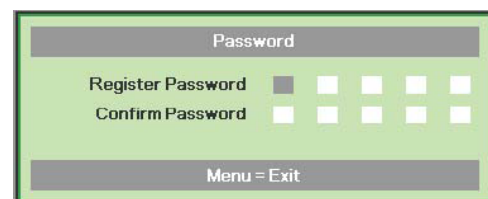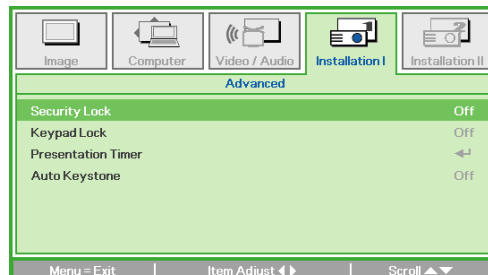**4.** Press the ◄ or ► button to enable or disable the security lock function.

A password dialog box automatically appears.

Image	Computer	Video / Audio	**Installation I**	Installation II

Advanced

Security Lock	Off
Keypad Lock	Off
Presentation Timer	↵
Auto Keystone	Off

Menu = Exit | Item Adjust ◀▶ | Scroll ▲▼

5. You can use the ▲▼◄► buttons located either on top of the Qumi or on the remote control to enter the password. Any combination of the navigation buttons can be used (five must be chosen).

Press the navigation buttons in any order to set the password.

Then press the **MENU** button to exit the dialog box.

Password

Register Password ■ □ □ □ □
Confirm Password □ □ □ □ □

Menu = Exit

Password

Register Password ✳ ✳ ✳ ✳ ✳
Confirm Password ✳ ✳ ✳ ✳ ✳
OK
Menu = Exit

6. The password confirmation menu appears when you power on the Qumi when the **Security Lock** is enabled.

Enter the password that was created in step 5.
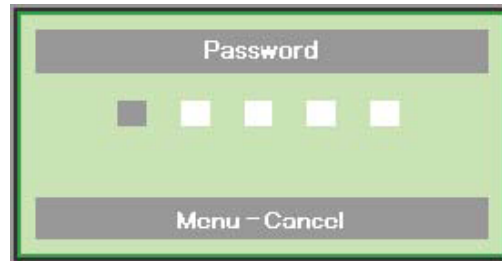
⚠️ *Important:*
Keep the password in a safe place. Without the password, you will not be able to use the Qumi. If you lose the password, contact your reseller for information on resetting the password.

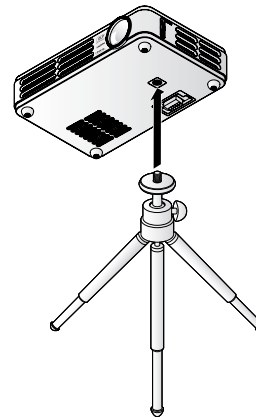## *Using a Tripod (Available in Q5 Series)*

The Qumi can be used with a tripod by connecting the tripod to the bottom of the Qumi. Many typical tripods can be connected.

Supported Tripod Specifications:

• Type: Mini tripod
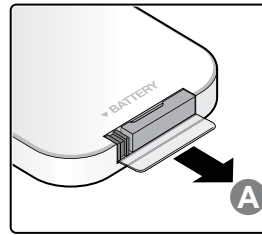
• Slot size: 1/4-20 L6.3 mm

Note:
Remove sticker before use.

Setting Up the Remote

The remote control comes with one (1) 3V lithium battery (CR2025). The battery is pre-installed in the remote control.

To begin using the remote control, remove the plastic tab (A) from the battery compartment.

Replacing the Remote Control Batteries

1. Remove the battery compartment cover by sliding the cover towards the arrow (A). Then pull out the cover towards the arrow (B).

2. Remove the old battery and insert the new battery with the positive side facing up.

3. Install the cover.
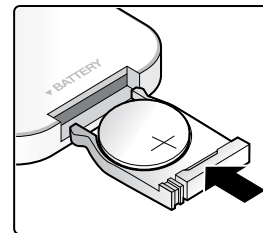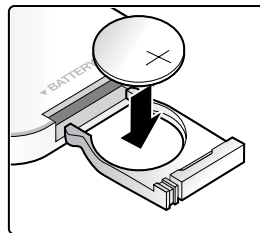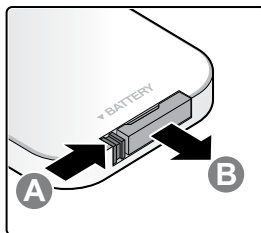
⚠ **Caution:**
1. Use only a 3V lithium battery (CR2025).
2. Dispose of used batteries according to local ordinance regulations.
3. Remove the battery when not using the Qumi for prolonged periods.

Operating Range

The remote control uses infrared (IR) transmission to control the Qumi. It is not necessary to point the remote directly at the Qumi.

The remote control functions properly within a radius of approximately 7 meters (23 feet) and 15 degrees above or below the Qumi level (if the remote is not held perpendicular to the sides or rear of the Qumi).

If the Qumi is unresponsive to the remote control, move closer towards the Qumi.

Chapter 3 Qumi Media Suite

Overview

The Qumi Media Suite is designed to provide easy access to your files from an inserted USB drive. Music, movies, pictures and documents can be displayed.

The media suite menu contains 8 applications that can be accessed:

- • Music – A music player that supports many types of audio files, ready to play music.
- • Movie – An easy to use movie player that displays multiple movie formats.
- • Photo – A photo viewer that contains slide show functionality.
- • Office Viewer – A document viewer that displays documents.
- • Wifi Display – Use this to configure the connection to a wireless access point.
- • Web Browser – A Web Browser for surfing the Internet.
- • Wifi – Use this to choose a Wi-Fi access point.
- • Settings – The settings of the Qumi can be adjusted in this menu.

Note:
Wifi & Web Browser functions are only available with Q5's optional dongle.
Qumi media suite is only available in Q5 Series.

Music

Supported Formats:

The music player can play music files in the following formats:

- MP3 (up to 256Kbps bit-rate)
- WMA, MID, MIDI, MP1, MP2, OGG, AAC, AMR, WAV, AC3, M4A, AWB, APE

Playing your Track

To open the music list, perform the following:

1. Press the ◄ or ► button to select the Music icon in the media suite menu.
2. Press ↵ to open the file directory.
3. Select the folder containing the desired song.
4. Press ↵ to play the desired song.

A song can be paused or can be played by selecting the Pause/Play button in the music player interface.

When the cursor is selecting the progress bar, a song can be paused or can be played by pressing ↵.

Control Interface

The music player interface contains the following controls:

Against all odds_192Kbps44.1KHz.mp3

00:29/03:21

The music player provides controls to navigate through a song playlist. The following table provides a description the controls.

ACTION	DESCRIPTION
«🎧 / 🎧» / «🎧»	Toggle speaker output to Left/Right/Stereo
◄◄ / ►►|	Return to previous/Forward to next track
❚❚ / ►	Pause/Play track
■	Stop playback
↺	Return to the previous menu

The order of songs and playback mode can be adjusted. The following table provides a description of the playback modes.

ACTION	DESCRIPTION
⟳	Songs in the playlist will play in a continuous order
↻	All songs in the playlist will repeat
↻	Only the current song playing will repeat
⤭	All songs in the playlist will be shuffled during playback

The music player contains many preset equalizer settings that can be applied. The following table provides a description of the different equalizer settings.

ACTION	DESCRIPTION
N	Normal
C	Classical
J	Jazz
P	Pop
R	Rock
B	Bass

Movies

Supported Formats

The following video formats are supported:

- H.264 video up to 720p at 30 frames per second; Main Profile level 3.1 with AAC-LC audio up to 160 Kbps, 48kHz, stereo audio in .m4v, .mp4, and .mov file formats

- MPEG-4 video up to 2.5 Mbps, 640 by 480 pixels at 30 frames per second; Simple Profile with AAC-LC audio up to 160 Kbps per channel, 48kHz, stereo audio in .m4v, .mp4, and .mov file formats

- Motion JPEG (M-JPEG) up to 35 Mbps, 1280 by 720 pixels, 30 frames per second, audio in U-Law, PCM stereo audio in .avi files

Watching Your Movie

To open a list of movies, perform the following:

1. Press the ◄ or ► button to select the Movie icon in the media suite menu.
2. Press ↵ to open the file directory.
3. Select the folder containing the desired movie file.
4. Press ↵ to play the desired movie file.

While a movie is playing, the control interface can be hidden. To hide the control interface, press the ▲ button. Press the ▲ button again to show the control interface.

The control interface will automatically disappear if there is no user input for 5 seconds.

Control Interface

The following playback functions are controlled by the remote control, which are shown in the table below:

ACTION	DESCRIPTION
Pause/Resume	Press ↵ to pause or resume a movie
Forward speed	Press the ◄ or ► key to change the speed (2X, 4X, 8X, 16X, 32X)

Photos

Supported Formats

The photo viewer can open the following types of image files:

- BMP (up to 4000 x 3000 pixels)
- PNG (up to 4000 x 3000 pixels)
- JPG (up to 4000 x 3000 pixels)

Viewing Your Photo

When a USB storage drive is inserted, the storage card folder icon will display in the file directory.

To open a photo in photo viewer, perform the following:

1. Press the ◄ or ► button to select the Photo icon in the media suite menu.
2. Press ↵ to open the file directory.
3. Select the folder containing the desired photo.
4. Press ↵ to display the desired photo.

To view the details of the photos, navigate to a photo. The details of the photo will appear on the bottom of the screen.

To view photos in full screen mode, perform the following:

1. Navigate to a photo.
2. Press ↵ to view the photo in full screen mode.

To utilize the Zoom-In tool, press ↵. (2X, 4X, 8X, 16X).

In order to zoom out to the default size of the image, press the Exit key.

While a photo is displayed, the control interface can be hidden. To hide the control interface, press the ▲ button. Press the ▲ button again to show the control interface.

Control Interface

The photo viewer contains the following controls:

ACTION	DESCRIPTION
⮌	Return to the previous menu.
3s	Sets the Slide Show interval.
▶	View photos in Slide Show mode.
↺	Rotate the photo in a counter-clockwise position.
↻	Rotate the photo in a clockwise position.

Office Viewer

Supported Formats

The document viewer in the Qumi Media Suite can open the following types of documents:

- Microsoft® Word (97-2007, .doc/.docx)
- Microsoft® PowerPoint (97-2007, .ppt/.pptx)
- Microsoft® Excel (97-2007, .xls/.xlsx)
- Adobe® PDF (.pdf)
- Text (.txt)

Selecting Your Document

To open a file in document viewer, perform the following:

1. Press the ◄ or ► button to select the office viewer icon in the media suite menu.
2. Press ↵ to open the file directory.
3. Select the folder containing the desired file.
4. Press ↵ to display the desired file.

Once a file is open, press ↵ to zoom in for a larger view of the file. Files can be zoomed in 2X, 4X, 8X and 16X views. Use the navigation keys to move the view of the file.

To proceed to the next page or return to a previous page, press the ▲ or ▼ button.

> *Note:*
> *You cannot move to the previous or next page if the view is zoomed in.*

Control Interface

The office viewer does not contain a dedicated control interface.

Wifi

Turning on Wifi

When the optional Q5 WIFI USB Dongle is inserted, you can surf the Web via Wi-Fi by using the Web Browser.

To turn on Wifi, perform the following:

1. Press the ◄ or ► button to select the Wifi icon in the media suite menu.
2. Press ◄┘ to enter Wifi Settings.
3. Press the ◄ or ► button to select Enable and then press ◄┘ to turn on Wifi function.
4. Press the ◄ or ► button to select [↻] and then press ◄┘ to search for APs.
5. Press the ▲ or ▼ button to select an AP and then press ◄┘ to connect.

> *Note:*
> *1. The Wifi function is only available with Q5's optional dongle.*
> *2. Press **Page Up** on the remote control to return to the top of the function area. From here, you can refresh the AP list.*
> *3. Press **Page Down** to move to the bottom of the AP list when in the function area.*

Control Interface

The Wifi Setting contains the following controls:

⮐	↻	Disable	Configure

Connection status :   VMAXD60864

🔒 ROGER
📶 LM-WLG640
📶 3Com
📶 linksys
🔒 DCDC
🔒 Jetta
🔒 Matt's iPhone
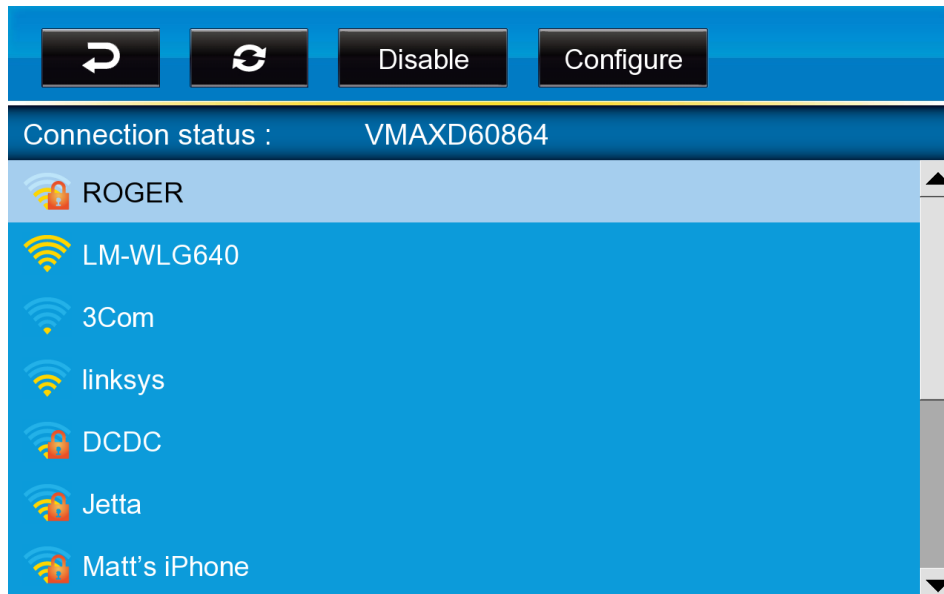
ACTION	DESCRIPTION
⮐	Return to Main Window.
↻	Rescan all APs.
Disable	Enable/Disable Wifi.
Configure	Wifi configuration.

Web Browser

Visiting a website

1. Plug the optional Q5 Wi-Fi Dongle into Qumi's USB socket.

2. Press ▲ ▼ ◄ ► on the remote control to control the cursor. See *Remote Control* on page 4.

3. Use the remote control for navigation control. Press the Q icon (bottom-right) to access the address bar.

4. Press ◄┘ to display the virtual keyboard, or press 🖰 in the address bar.
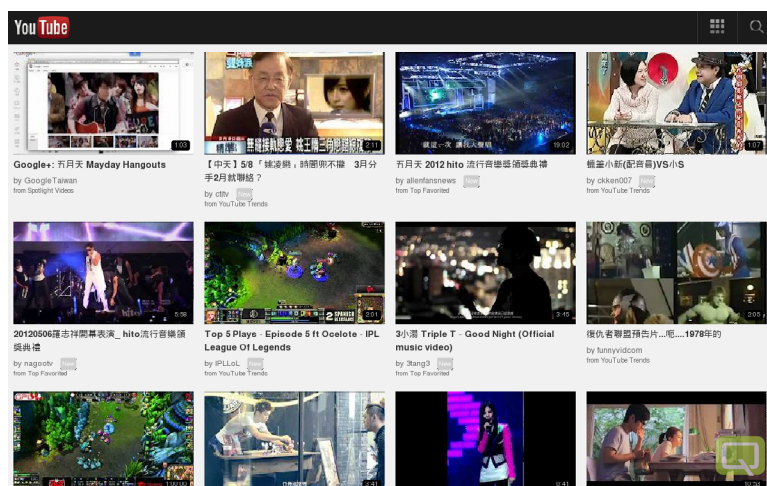
> **Note:**
> Plug a USB hub into Qumi's USB socket, then plug the optional Q5 Wi-Fi dongle, keyboard and mouse into the USB hub to surf the Internet easily.

Control Interface

The Main bar contains the following controls:

ACTION	DESCRIPTION
←	Go back one page.
→	Go to next page.
↻	Reload current page/Stop loading current page.
🏠	Back to Home page.
★	Enter bookmark page.
☆	Add/Delete current page to bookmark
http://m.youtube.com/#/home	Click to enter URL input page.
🔍	Zoom in/out page.
🔧	Clear History and Exit browser.
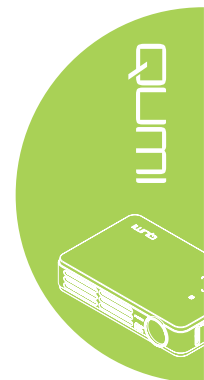
Wifi Display

Control Interface

The Wifi Display contains the following controls:

Wifi Display	
Link mode:	Wireless(WiFi)	**Start**
Projector SSID:	Qumi5_AP
IP setting:	☐ Use default IP ☑ Use other IP
IP address	192 . 168 . 9 . 99
Netmask	255 . 255 . 255 . 0
Gateway	192 . 168 . 9 . 99
DNS	192 . 168 . 9 . 99

ACTION	DESCRIPTION
Start	Start playing media from Wi-Fi.
Projector SSID	Enter the Service Set Identifier here.
IP setting	Select Use default IP to automatically configure the IP settings, or Use Other IP to manually configure IP settings.
IP address	Configure the IP address of the projector here.
Netmask	Configure the subnet mask here.
Gateway	Configure the IP address of the default gateway here.
DNS	Configure the IP address of the DNS server here.

> **Note:**
> *Wifi & Web Browser functions are only available with Q5's optional dongle.*

Settings

System Options

The system options menu displays the system and firmware information. The Information menu provides details about the software version.

Play Mode

The play mode menu displays settings for both video and music player options. The following settings are available:

- Repeat None – The videos or music tracks will not repeat after it is completed.
- Shuffle – The order of videos or music tracks will play in a random order.
- Repeat One – A selected video or music track will continuously repeat after it is completed.
- Repeat All – All videos or music tracks in a playlist will repeat after all of the files in the playlist have been completed.

Note:
The Qumi media suite always supplies an output of 1280x800 resolution to the system, so the OSD displays a resolution of 1280x800 as its received signal. This does not indicate the actual resolution of the actual multimedia files.

USB Options

The USB Mass Storage option allows you to connect a personal computer with a supported USB cable to transfer files between the Qumi and personal computer.

Note:
The Qumi media suite only supports input from USB drives.

AutoPlay Option

Use the AutoPlay Option menu to configure what the Qumi automatically plays when powered on. The following settings are available when AutoPlay is ON.

- AutoPlay – Turn on or off auto play.
- AutoPlay Type – Automatically play photo or video files when powered on.
- File Path – Automatically play files in the root of USB or local memory.

To use AutoPlay on Qumi:

1. Connect PC to Qumi using a USB cable.
2. Move media files to respective folder (Movies for movie files or Photos for image files).

To use AutoPlay on USB device:

1. Create Movies or Photos folder in USB drive.
2. Copy media files to respective folder (Movies for movie files or Photos for image files).
3. Remove USB drive and insert in Qumi.

Note:
1. AutoPlay files on USB drive must be named Movies or Photos for this function to play media files.
2. Built-in memory for Qumi Q5 is 4GB.

Chapter 4 On-Screen Display (OSD) Settings

OSD Menu Controls

The Qumi has an On-Screen Display (OSD) settings menu that allows you to make adjustments and changes to settings, such as display settings and audio settings. There are 5 menus within the OSD menu:

- • Image – Various aspects of the image quality can be adjusted in this menu.
- • Computer – Settings for personal computers can be adjusted in this menu.
- • Video/Audio – Many settings for video and audio can be adjusted in this menu.
- • Installation I – Default language and other settings can be adjusted in this menu.
- • Installation II – Factory reset and other settings can be adjusted in this menu.

If the interface is set on AV-IN, HDMI/MHL or Universal I/O, the OSD menu can be accessed by pressing the MENU button on the remote control or keypad.

If the interface is set on the Qumi Media Suite menu, the OSD menu can be accessed by pressing the MENU button on the remote control or by simultaneously pressing MENU and ↵ on the keypad.

> **Note:**
> If the OSD menu is inactive for 15 seconds, the OSD menu will close.

Navigating the OSD

The remote control cursor buttons or the buttons on the top of the Qumi can be used to navigate and make changes to the OSD settings.

1. Enter the **OSD** menu.
2. Press the ◄ or ► button to move through the 5 menus.
3. Press the ▲ or ▼ button to move the cursor up and down within in a menu.
4. Press ◄ or ► to change the values for specific settings.
5. Press **MENU** button or **Exit** on the remote control to close the OSD or close a submenu.

	Image	Computer	Video / Audio	Installation I	Installation II
Display Mode					Presentation
Brilliant Color					0
Brightness					50
Contrast					50
Sharpness					16
Gamma					PC
Advanced					↵
Reset					↵

Menu = Exit | Menu Select ◄► | Scroll ▲▼
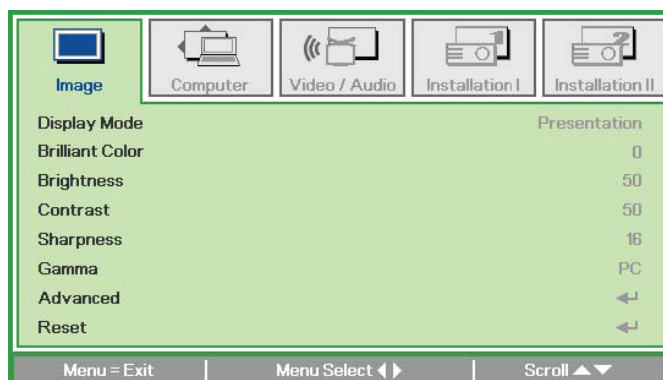
> **Note:**
> Depending on the video source, not all items in the OSD can be modified. For example, the Horizontal/Vertical Position items in the Computer menu can only be modified when the Qumi is connected to a PC through a VGA cable. Settings that are not enabled or that cannot be modified are gray in color.

Setting the OSD Language

The language that is displayed in the OSD can be changed. To change the language in the OSD, perform the following steps:

1. Enter the **OSD** menu. Press the ◄ or ► button to select the **Installation I** menu.
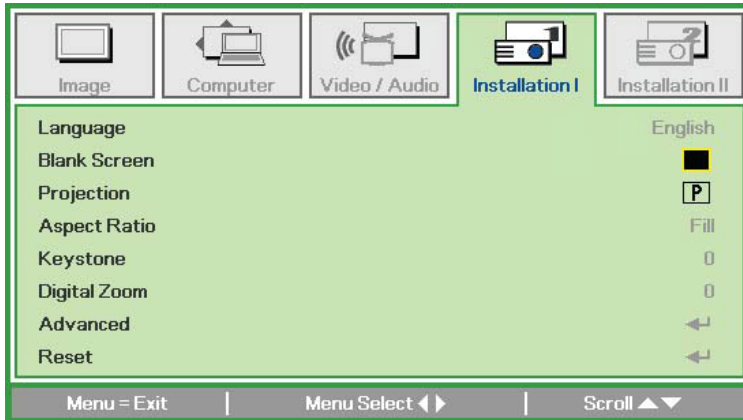
2. Press the ▲ or ▼ button until the cursor highlights the **Language** setting.
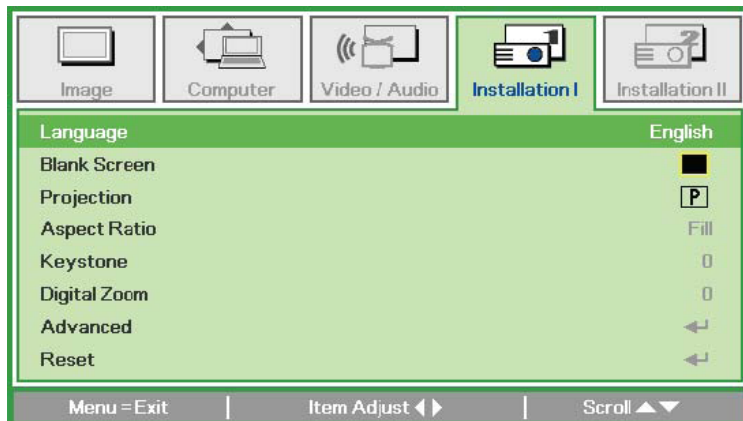
3. Press the ◄ or ► button until the language you want is shown in the cursor.
4. Press the **EXIT** button or **MENU** button twice to close the OSD.

OSD Menu Overview

Use the following illustration to quickly find a setting or determine the range for a setting.

MAIN MENU	SUB MENU		SETTINGS
Image	Display Mode		Presentation, Bright, Game, Movie, TV, sRGB, User, User1
	Brilliant Color		0~10
	Brightness		0~100
	Contrast		0~100
	Sharpness		0~31
	Gamma		PC, MAC, Video, Chart, B&W
	Advanced	Color Space	Auto, RGB, YCbCr, YPbPr
		Color Temperature	Cold, Normal, Warm
	Reset		
Computer	Horizontal Position		-5~5
	Vertical Position		-5~5
	Frequency		0~31
	Tracking		-5~5
	Auto Image		
Video/ Audio	Video AGC		Off, On
	Video Saturation		0~100
	Video Tint		0~100
	Video Overscan		Off, On
	Closed Captioning		Off, On
	Audio	Volume	0~8
		Mute	Off, On
		Audio Input	AV-IN, HDMI, USB
	Reset		

OSD Sub-Menu Overview

MAIN MENU	SUB MENU		SETTINGS
Installation I	Language		English, Français, Deutsch, Español, Português, 簡体中文, 繁體中文, Italiano, Norsk, Svenska, Nederlands, Русский, Polski, Suomi, Ελληνικά, 한국어, Magyar, Čeština, العربية, Türkçe, Việt, תירבע, ไทย, فارسی, 日本語
	Blank Screen		Blank, Red, Green, Blue, White
	Projection		Front, Real, Ceiling, Real+Ceiling
	Aspect Ratio		Fill, 4:3, 16:9, Letter Box, Native, 2.35:1
	Keystone		-40~40
	Digital Zoom		-10~10
	Advanced	Security Lock	Off, On
		Keypad Lock	Off, On
		Presentation Timer — Timer	Off, On
		Timer Period	1~60
		Timer Reset	
	Auto Keystone		Off, On

Note:
Auto Keystone is only available in Q5 Series.

OSD Sub-Menu Overview

MAIN MENU	SUB MENU			SETTINGS
Installation II	Auto Source			Off, On
	Auto Power Off (min)			0~180
	Auto Power On			Off, On
	LED Mode			ECO , Normal
	Advanced	OSD Menu Setting	Menu Position	Center, Down, Up, Left, Right
			Translucent Menu	0%, 25%, 50%, 75%, 100%
			Menu Display	0~20
		Peripheral Test	Remote Control Test	
			Color Test	
			Button Test	
		3D	3D	Off, DLP-Link, IR
			3D Sync Invert	Off, On
		Low Power Mode		Off, On
	Factory Reset			
	Status	Active Source		
		Video Information		
		LED Hours(Eco., Normal)		

Image Menu

To access the Image menu and adjust the settings, perform the following steps:

1. Enter the **OSD** menu.

2. Press the ◄ or ► button to select the **Image** menu.

3. Press the ▲ or ▼ button to move the cursor up or down in the **Image** menu.

4. Press the ◄ or ► button to change values for each applicable setting.
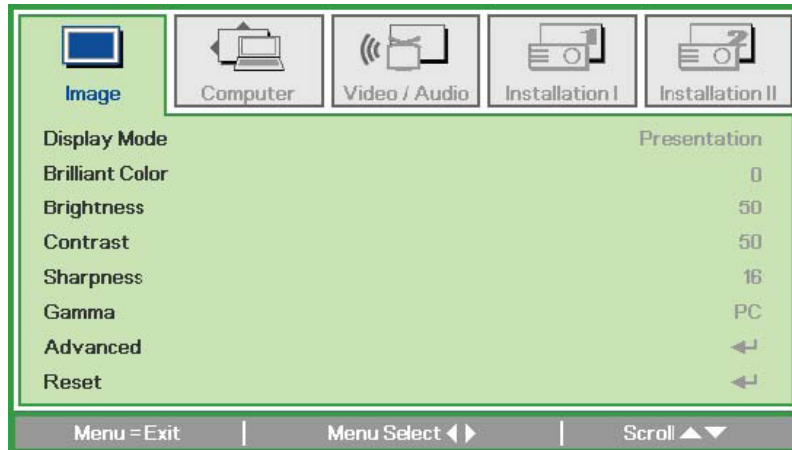
ITEM	DESCRIPTION
Display Mode	Press the ◄ or ► button to set the Display Mode.
Brilliant Color	Press the ◄ or ► button to adjust the Brilliant Color value.
Brightness	Press the ◄ or ► button to adjust the display brightness.
Contrast	Press the ◄ or ► button to adjust the display contrast.
Sharpness	Press the ◄ or ► button to adjust the display sharpness level.
Gamma	Press the ◄ or ► button to adjust the gamma correction of the display.
Advanced	Press ↵ to enter the Advanced menu. See *Advanced Feature* on page 31.
Reset	Press ↵ to reset all settings to default values.

Note:

The Brilliant Color, Brightness, Contrast, Sharpness, Gamma and Advanced settings are adjustable only when the Display Mode is set to User and User1.

Advanced Feature

To access the Advanced menu and adjust the settings, perform the following steps:

1. Enter the **OSD** menu.

2. Press the ◄ or ► button to select the **Image** menu.

3. Press the ▲ or ▼ button to move to the **Advanced** menu and then press ↵.

4. Press the ▲ or ▼ button to move the cursor up or down in the **Advanced** menu.

Image	Computer	Video / Audio	Installation I	Installation II
Advanced				
Color Space				Auto
Color Temperature				Normal
Menu = Exit			Scroll ▲▼	

ITEM	DESCRIPTION
Color Space	Press the ◄ or ► button to adjust the color space.
Color Temperature	Press the ◄ or ► button to adjust the color temperature.

Computer Menu

To access the Computer menu and adjust the settings, perform the following steps:

1. Enter the **OSD** menu.

2. Press the ◄ or ► button to select the **Computer** menu.

3. Press the ▲ or ▼ button to move the cursor up or down in the **Computer** menu.

4. Press the ◄ or ► button to change values for each applicable setting.
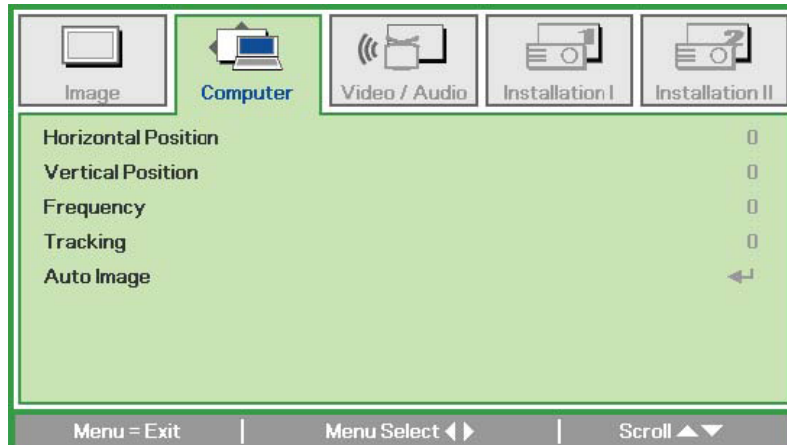
ITEM	DESCRIPTION
Horizontal Position	Press the ◄ or ► button to adjust the display position to left or right.
Vertical Position	Press the ◄ or ► button to adjust the display position to up or down.
Frequency	Press the ◄ or ► button to adjust the A/D sampling clock.
Tracking	Press the ◄ or ► button to adjust the A/D sampling dot.
Auto Image	Press ↵ to automatically adjustment for phase, tracking, size and position.

Note:
*Items in the **Computer** menu can only be modified when the Qumi is connected to a PC through a VGA cable. Settings that are not enabled or that cannot be modified are gray in color.*

Video/Audio Menu

To access the Video/Audio menu and adjust the settings, perform the following steps:

1. Enter the **OSD** menu.

2. Press the ◄ or ► button to select the **Video/Audio** menu.

3. Press the ▲ or ▼ button to move the cursor up and down in the **Video/Audio** menu.

4. Press the ◄ or ► button to change values for each applicable setting.

Image	Computer	Video / Audio	Installation I	Installation II
Video AGC				Off
Video Saturation				50
Video Tint				50
Video Overscan				Off
Closed Captioning				Off
Audio				↵
Reset				↵

Menu = Exit | Menu Select ◄ ► | Scroll ▲ ▼
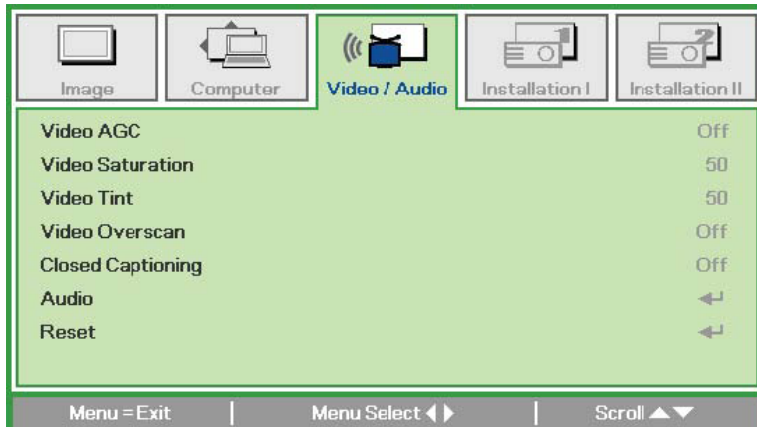
ITEM	DESCRIPTION
Video AGC	Press the ◄ or ► button to enable or disable the Automatic Gain Control for video source.
Video Saturation	Press the ◄ or ► button to adjust the video saturation.
Video Tint	Press the ◄ or ► button to adjust the video tint/hue.
Video Overscan	Press the ◄ or ► button to enable or disable video over scan.
Closed Captioning	Press the ◄ or ► button to enable or disable Closed Captioning.
Audio	Press ↵ to enter the Audio menu. See *Audio* on page 34.
Reset	Press ↵ to reset all settings to default values.

Note:
Video AGC, Video Saturation, Video Tint and Closed Caption settings are adjustable only when the source is from composite video. The Video Overscan settings are adjustable only when the source is from composite, component and HDMI video.

Audio

To adjust the audio settings, press ← to enter the **Audio** sub menu.
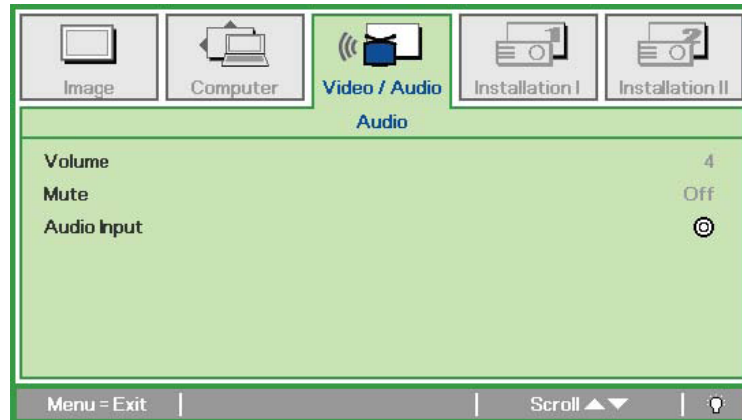
ITEM	DESCRIPTION
Volume	Press the ◄ or ► button to adjust the audio volume.
Mute	Press the ◄ or ► button to turn on or off the speaker.
Audio Input	Press the ◄ or ► button to select audio input.

Note:
The speaker is only available in Q5 Series.

Installation I Menu

To access the **Installation I** menu and adjust the settings, perform the following steps:

1. Enter the **OSD** menu.

2. Press the ◄ or ► button to select the **Installation I** menu.

3. Press the ▲ or ▼ button to move the cursor up or down in the **Installation I** menu.

4. Press the ◄ or ► button to change values for each applicable setting.

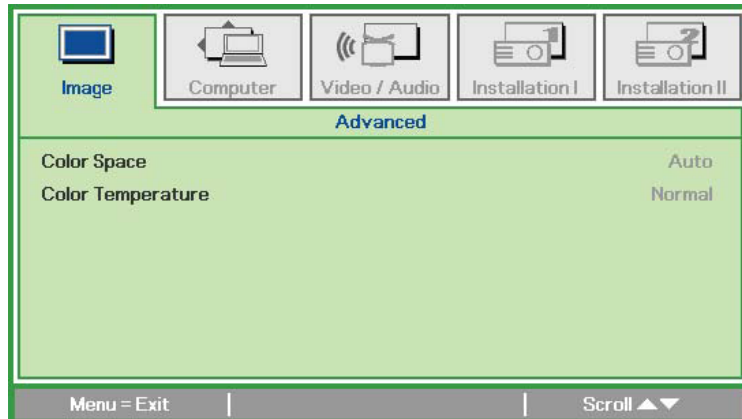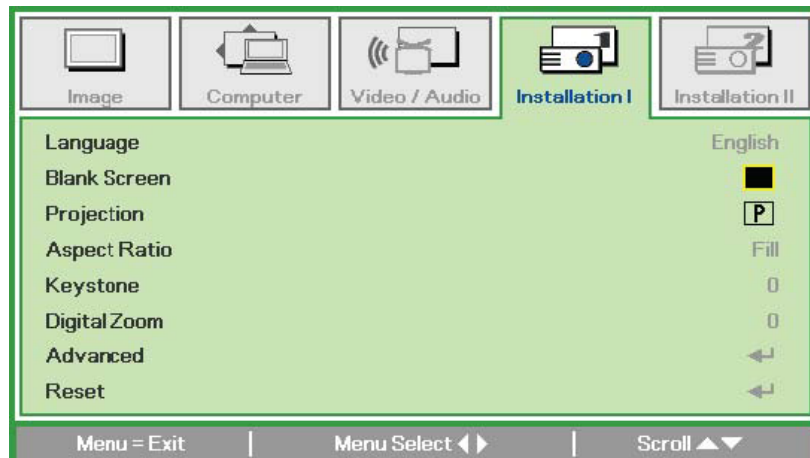| ITEM	DESCRIPTION
Language	Press the ◄ or ► button to select a different localization menu.
Blank Screen	Press the ◄ or ► button to select different color to blank the screen.
Projection	Press the ◄ or ► button to choose from four projection methods: Front, Rear, Ceiling-Front, Ceiling-Rear.
Aspect Ratio	Press the ◄ or ► button to adjust the video aspect ratio.
Keystone	Press the ◄ or ► button to adjust the display keystone.
Digital Zoom	Press the ◄ or ► button to adjust the Digital Zoom menu.
Advanced	Press ↵ to enter the Advanced menu. See *Advanced* on page 36.
Reset	Press ↵ to reset all settings to default values (expect Language and Security Lock).

Advanced

To adjust the advanced settings, press ← to enter the **Advanced** sub menu.
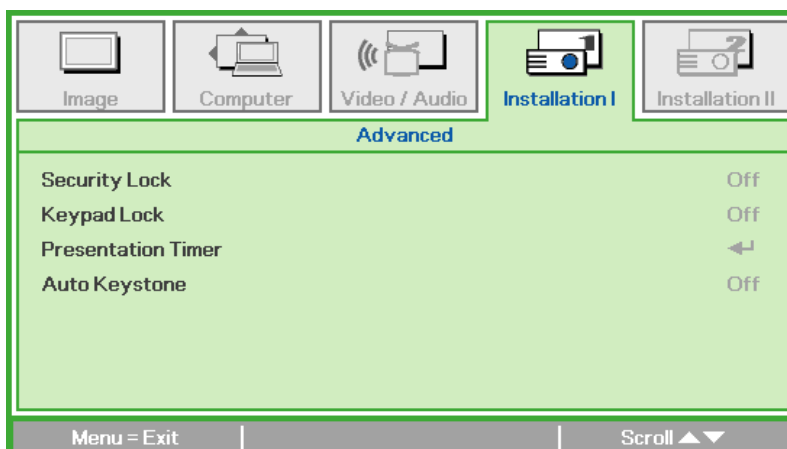
ITEM	DESCRIPTION
Security Lock	Press the ◄ or ► button to enable or disable security lock function.
Keypad Lock	Press the ◄ or ► button to enable or disable keypad lock function.
Presentation Timer	Press ← to enter the Presentation menu.
Auto Keystone	Press the ◄ or ► button to enable or disable automatic keystone. *Note*: *Auto Keystone is only available in Q5 Series*

Presentation Timer

To adjust the presentation timer settings, press ← to enter the **Presentation Timer** sub menu.
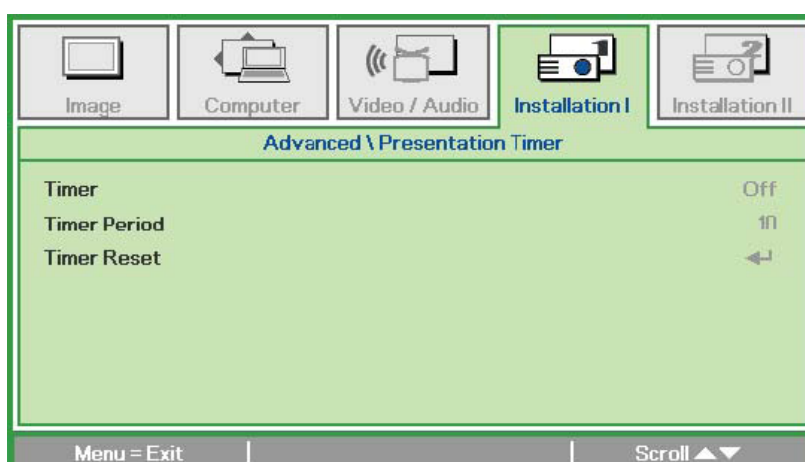
ITEM	DESCRIPTION
Timer	Press the ◄ or ► button to enable or disable presentation timer function.
Timer Period	Press the ◄ or ► button to adjust the display timer period.
Timer Reset	Press ← to reset presentation timer counter.

Installation II Menu

To access the **Installation II** menu and adjust the settings, perform the following steps:

1. Enter the **OSD** menu.

2. Press the ◄ or ► button to select the **Installation II** menu.

3. Press the ▲ or ▼ button to move the cursor up or down in the **Installation II** menu.

	Image	Computer	Video / Audio	Installation I	**Installation II**
Auto Source					Off
Auto Power Off (min)					0
Auto Power On					Off
LED Mode					Normal
Advanced					↵
Factory Reset					↵
Status					↵

Menu = Exit | Menu Select ◄ ► | Scroll ▲ ▼
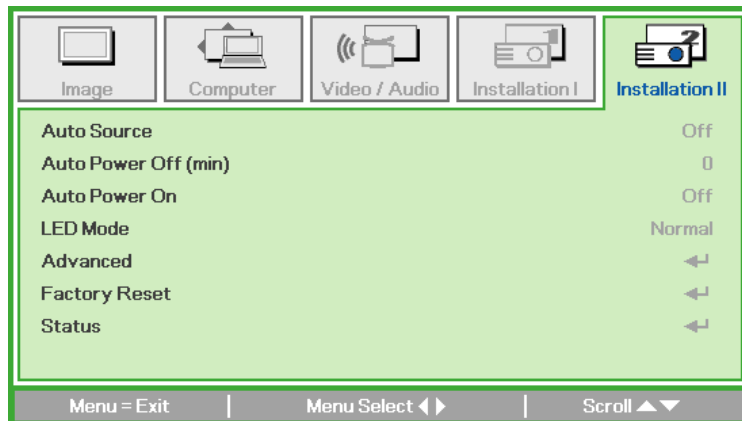
ITEM	DESCRIPTION
Auto Source	Press the ◄ or ► button to enable or disable automatic source detection.
Auto Power Off (min)	Press the ◄ or ► button to automatically turn the projector lamp off when there is no signal.
Auto Power On	Press the ◄ or ► button to enable or disable automatic power on.
LED Mode	Press the ◄ or ► button to select the LED mode for higher brightness or lower brightness to save LED life.
Advanced	Press ↵ to enter the Advanced menu. See *Advanced Feature* on page 38.
Factory Reset	Press ↵ to reset all items to factory preset values.
Status	Press ↵ to enter the Status menu. See page 41 for more information on Status.

Advanced Feature

To access the **Advanced** menu and adjust the settings, perform the following steps:

1. Enter the **OSD** menu.

2. Press the ◄ or ► button to select the **Installation II** menu.

3. Press the ▲ or ▼ button to select the **Advanced** menu and then press ↵.

4. Press the ▲ or ▼ button to move the cursor up or down in the **Advanced** menu.

5. Press the ◄ or ► button to change values for each applicable setting.

Image	Computer	Video / Audio	Installation I	**Installation II**

Advanced

OSD Menu Setting	↵
Peripheral Test	↵
3D	↵
Low Power Mode	Off

Menu = Exit | Scroll ▲▼
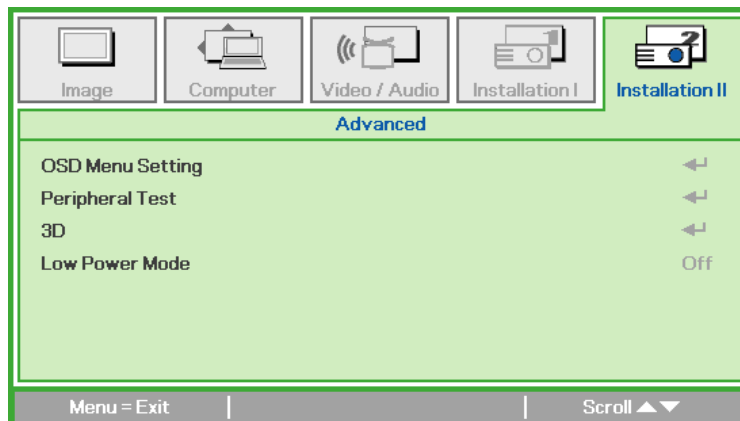
ITEM	DESCRIPTION
OSD Menu Setting	Press ↵ to enter the OSD setting menu. See page 39 for more information on OSD Menu Setting.
Peripheral Test	Press ↵ to enter the Peripheral Test menu. See page 39 for more information on Peripheral Test.
3D	Press ↵ to enter the 3D menu. See *3D* on page 40.
Low Power Mode	Press the ◄ or ► button to enable (<1W power consumption) or disable Low Power Mode. *Note:* *Enable Low Power Mode to completely power down when the projector is turned off. Disable Low Power Mode to allow multimedia functionality when the projector is turned off.*

Note:
To use the 3D function, the Play Movie in 3D setting found in your player under the 3D Disc Menu must be enabled. 3D functionality works when the input source supports 120Hz.
1. The 3D OSD menu item is gray if there is no appropriate 3D source. This is the default setting.
2. When the projector is connected to an appropriate 3D source, the 3D OSD menu item is enabled for selection.
3. Use 3D glasses to view a 3D image.
4. You need 3D content from a 3D DVD or 3D media file.
5. You need to enable the 3D source (some 3D DVD content may have a 3D on-off selection feature).
6. You need DLP link 3D or IR 3D shutter glasses. With IR 3D shutter glasses, you need to install a driver on your PC and connect a USB emitter.
7. The 3D mode of the OSD needs to match the type of glasses (DLP link or IR 3D).
8. Power on the glasses. Glasses normally have a power on-off switch. Each type of glasses has their own configuration instructions. Please follow the configuration instructions that come with your glasses to finish the setup process.

OSD Menu Setting

Image	Computer	Video / Audio	Installation I	**Installation II**

Advanced \ OSD Menu Setting

Menu Position	🔲
Translucent Menu	0 %
Menu Display	15

Menu = Exit | | Scroll ▲ ▼ | ○
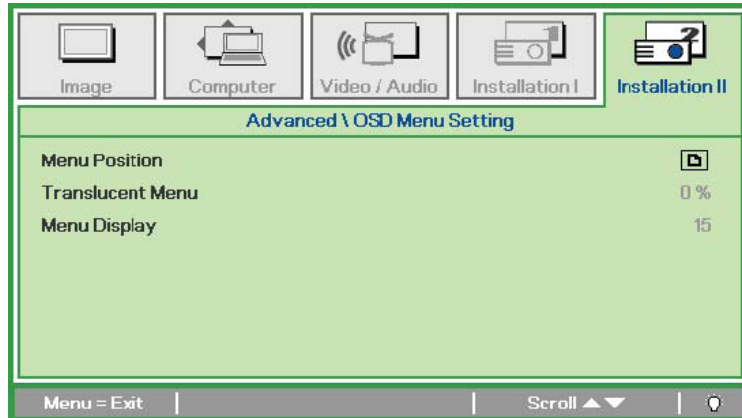
ITEM	DESCRIPTION
Menu Position	Press the ◄ or ► button to select different OSD location.
Translucent Menu	Press the ◄ or ► button to select OSD background translucent level.
Menu Display	Press the ◄ or ► button to select OSD timeout delay.

Peripheral Test

Image	Computer	Video / Audio	Installation I	**Installation II**

Advanced \ Peripheral Test

Remote Control Test	↵
Color Test	↵
Button Test	↵

Menu = Exit | | Scroll ▲ ▼
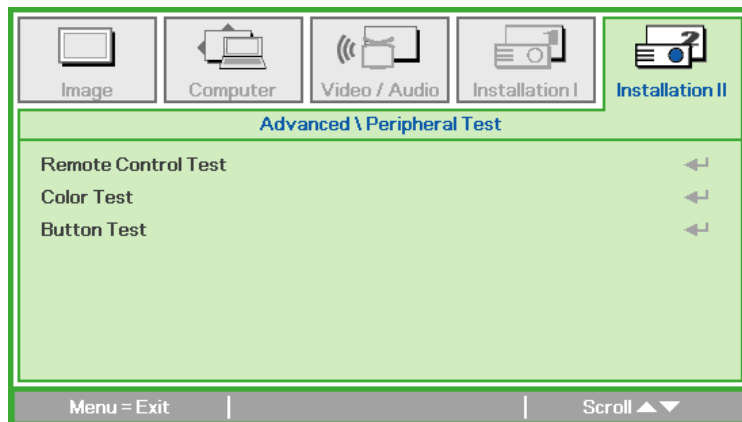
ITEM	DESCRIPTION
Remote Control Test	Press ↵ to test the IR remote controller for diagnostic.
Color Test	Press ↵ to select different colors on screen.
Button Test	Press ↵ to test the button on keypad.

3D
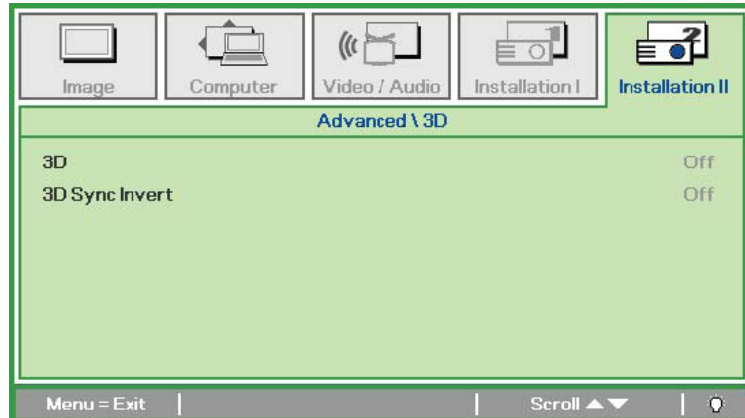
ITEM	DESCRIPTION
3D	Press the ◄ or ► button to select Off, DLP-Link or IR.
3D Sync Invert	Press the ◄ or ► button to turn 3D Sync Invert On or Off.

Factory Reset

To reset all of the menu items to the factory default values (except Language and Security Lock), perform the following steps:

1. Press the ▲ or ▼ button to move the cursor up or down in the **Installation II** menu.

2. Select the **Factory Reset** sub menu.

3. Press ◄┘.
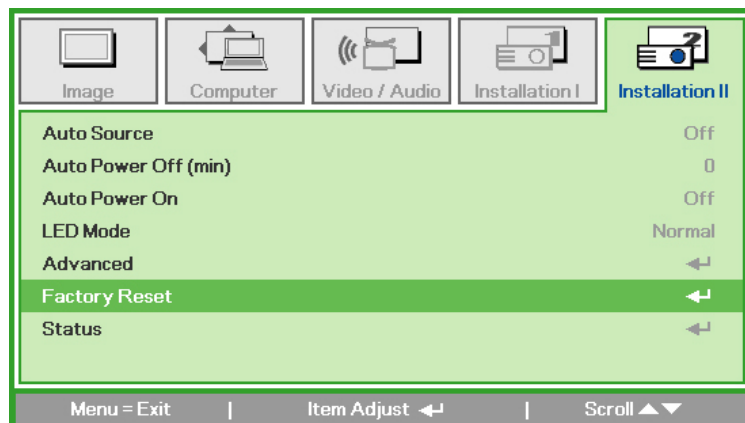
Status

To see the status of the Qumi, perform the following steps:

1. Press the ▲ or ▼ button to move the cursor up or down in the **Installation II** menu.

2. Select the **Installation II** sub menu.

3. Press ↵ to enter the **Status** sub menu.
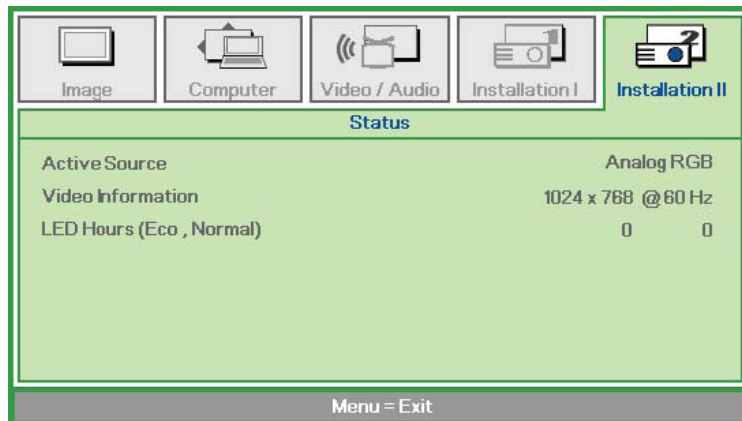
ITEM	DESCRIPTION
Active Source	Displays the activated source.
Video Information	Displays resolution/video information for RGB source and color standard for Video source.
LED Hours	LED use information is displayed (in hours). Eco and Normal counters are separated.

Chapter 5 Taking Care of Your Qumi

Cleaning the Qumi

Cleaning the Qumi to remove dust and grime will help provide trouble-free operation.

> ⚠️ *Warning:*
> *1. The Qumi should be turned off and unplugged before cleaning. Failure to do so may result in injury or damage to the system.*
> *2. Use only a dampened cloth when cleaning. Do not allow water to enter the ventilation openings on the Qumi.*
> *3. If a small amount of water gets into the interior of the Qumi while cleaning, unplug the Qumi and set in a well ventilated area for several hours before using.*
> *4. If a large amount of water gets into the interior of the Qumi when cleaning, unplug the Qumi and have it serviced.*

Cleaning the Lens

Optical lens cleaning solutions can be purchased from most camera and other retail stores. To clean the Qumi lens, perform the following steps:

1. Apply a small amount of the optic lens cleaning solution to a clean and soft cloth. (Do not apply the cleaning solution directly to the lens.)

2. Gently wipe the lens in a circular motion.

> ⚠️ *Caution:*
> *1. Do not use abrasive cleaners or solvents.*
> *2. To prevent discoloration or fading, do not allow the cleaning solution to contact the Qumi case.*

Troubleshooting

Common Problems and Solutions

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

The problem sometimes can be as simple as a wire that is not completely connected. 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 the Qumi 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 suspend or sleep mode.

- Make sure the connected notebook computer is properly configured for an external display.

Tips for Troubleshooting

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.

For example, if you replace batteries and the problem remains, put the original batteries back and move to the next step.

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

LED Error Messages

ERROR CODE MESSAGES	LEFT KEY BLUE BLINK	RIGHT KEY BLUE BLINK
Over temperature error (Inlet air)	3	OFF
LED over temperature (Red)	3	1
LED over temperature (Green)	3	2
LED over temperature (Blue)	3	3
Fan 1 (Blower) error	6	1
Fan 2 (System) error	6	2
Red LED Thermistor error	8	1
Green LED Thermistor error	8	2
Blue LED Thermistor error	8	3

In the event of an LED error, disconnect the AC power cord and wait for one (1) minute before restarting the Qumi.

If there is any other situation that isn't listed in the chart above, please contact your service center.

Image Problems

Problem: No image appears on the screen

1. Verify that the settings on your personal computer are 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 on the Qumi.

2. Make sure the Qumi-to-screen distance is within the specified range.

3. Clean the Qumi lens with optical lens cleaning cloth if it is dirty.

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

1. Position the Qumi so that it is perpendicular to the screen as much as possible.

2. Adjust the Keystone settings in the OSD to correct the problem or set Auto Keystone to On.

Note:
Auto Keystone is only available in Q5 Series.

Problem: The image is reversed

Check the orientation of the Projection setting in the Installation I menu in the OSD.

Problem: The image is streaked

1. Set the Frequency and Tracking settings on the Computer menu in the OSD to the default settings.

2. Connect the Qumi to another computer to make sure that the problem is not caused by a computer's video card.

Problem: The image is flat with no contrast

Adjust the Contrast setting in the Image menu in the OSD.

Problem: The color of the projected image does not match the source image

Adjust the Color Temperature and Gamma settings in the Image menu in the OSD.

Remote Control Problems

Problem: The Qumi does not respond to the remote control

1. Aim the remote control towards remote sensor on the Qumi.

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.

Audio Problems

Problem: There is no sound

1. Adjust the volume of the audio source.

2. Check the audio cable connection.

3. Test the output of the audio source with other speakers.

4. Have the Qumi serviced.

Note:
The speaker is only available in Q5 Series.

Problem: The sound is distorted

1. Check the audio cable connection.

2. Test the output of the audio source with other speakers.

3. Have the Qumi serviced.

FAQs

1. **Does Qumi work with a personal computer, notebook or netbook?**

   Yes. Use the provided VGA cable or HDMI cable. The Qumi can connect to a PC, notebook or netbook if they have an appropriate HDMI or VGA port. To play audio, a separate 3.5mm stereo mini-jack audio cable is required to connect to the Qumi's audio port.

2. **Is it possible to connect the Qumi to a game console, such as a Microsoft® Xbox or Sony® PS3?**

   Yes. The Qumi can be used to display content from an Xbox or PS3 console. This can be done by connecting the HDMI cable from the game console to the Qumi.

3. **Can the Qumi project content from a television?**

   Watching television content can be done by connecting a cable box, digital set-top-box or satellite receiver because televisions are only able to produce images on its own screen. For example, if a cable box is used, it can be connected by an HDMI cable to the Qumi.

4. **How can MHL connect to the Qumi?**

   Use support MHL cable to connect MHL device.
   Please visit *www.mhlconsortium.org/productlist/* for more information

5. **How are images from a digital camera or a USB storage device displayed?**

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

   - USB flash drive, hard drive, card reader
   - Digital camera
   - Smart phone
   - Multimedia storage viewer

   Once the devices are connected, images can be displayed by using the Qumi Media Suite.

6. **Which cable is required to video devices to the Qumi?**

   Video devices can be connected to the Qumi by using an Audio/Video or HDMI/MHL cable if the devices contain the appropriate ports. To play audio, a separate stereo mini-jack adapter cable (3.5mm mini plug and two RCA plugs). An RCA cable connected can also be connected to the Qumi.

7. **What type of video formats does the Qumi support?**

   H.264, MPEG-4, VC-1, WMV9, DivX(Xvid), Real Video, AVS and MJPEG.

8. **What type of audio formats does the Qumi support?**

   MP3 and WMA.

9. **What type of document formats does the QUMI support?**

   Microsoft® Office 2003 and Microsoft® Office 2007 (Word, Excel®, PowerPoint®), Adobe® PDF and text files (txt).

10. **What type of photo formats does the QUMI support?**

    JPEG, PNG and BMP.

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

    The Qumi does not use a typical Qumi lamp. It uses a set of Light Emitting Diodes (LED) to illuminate and project images. LED's have a greater lifespan than conventional lamps. Qumi LED's are 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.

12. **Why do I need to re-adjust the focus on my Qumi after it's powered up?**

    For the best picture quality, adjustment of the focus ring may be necessary once the operational temperature has been met.

> *Note:*
> *Qumi media suite is not available in Q4 Series.*

Vivitek Support Site

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

Specifications

MODEL	Qumi Q5 Series	Qumi Q4 Series
RESOLUTION	HD (720p - 1280x800)	
PROJECTION DISTANCE	1000mm ~ 3000mm (39.37" ~ 118.11")	
PROJECTION SCREEN SIZE (DIAGONAL)	762mm ~ 2286mm (30" ~ 90")	
PROJECTION LENS	Manual focus	
THROW RATIO	1.55x	
VERTICAL KEYSTONE CORRECTION	+/- 40 steps (-45° ~ +33°)	
PROJECTION METHODS	Front, Rear, Desktop, Front-Ceiling, Rear-Ceiling	
DATA COMPATIBILITY	VGA, SVGA, XGA, SXGA, SXGA+, UXGA, Mac	
SDTV/EDTV/ HDTV	480i, 480p, 720p, 1080i, 1080p	
VIDEO COMPATIBILITY	HDTV (720p, 1080i/p), NTSC/NTSC 4.43, PAL (B/G/H/I/M/N/60), SECAM	
SAFETY CERTIFICATION	FCC-B, UL, CCC, CE, C-Tick, KC, CB, SASO, NOM, PCT, RoHS, ICES-003(Canada)	
OPERATION TEMPERATURE	5° ~ 35°C	
DIMENSIONS (WXHXD)	160mm (6.3") x 102mm (4.03") x 32mm (1.27")	
AC INPUT	AC Universal 100 - 240, Typical @ 110VAC (100-240)/+-10%	
POWER CONSUMPTION	62W	
AUDIO SPEAKER	2W mono speaker	NA
INPUT TERMINALS	VGA (through 24-pin connector) x 1	
	3.5mm AV IN x 1	
	HDMI/MHL x 1	
	USB type A x 1	
OUTPUT TERMINALS	3.5mm earphone jack (volume control) x 1	

Note:
For questions regarding product specifications, please contact your local distributor.
USB Type A connector (media suite) is only available in Q5 Series.

Projection Distance vs. Projection Size
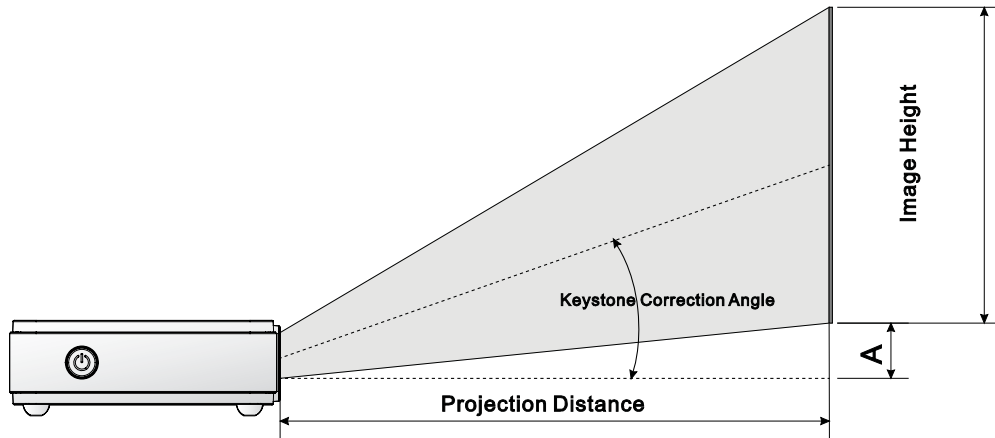
Projection Distance and Size Table

IMAGE DIAGONAL (CM/INCHES)	IMAGE WIDTH (CM/INCHES)	IMAGE HIGH (CM/INCHES)	PROJECTION DISTANCE (CM/INCHES)	OFFSET-A (CM/INCHES)
76.2/30	64.6/25.43	40.4/15.91	100/39.37	1/0.40
101.6/40	86.2/33.94	53.8/21.18	134/52.76	1.3/0.51
114.3/45	96.9/38.15	60.6/23.86	150/59.06	1.5/0.59
127/50	107.7/42.40	67.3/26.50	167/65.75	1.7/0.66
152.4/60	129.2/50.87	80.8/31.81	200/78.74	2/0.79
177.8/70	150.8/59.37	94.2/37.09	234/92.13	2.4/0.92
203.2/80	172.3/67.83	107.7/42.40	267/105.12	2.7/1.06
228.6/90	193.9/76.34	121.2/47.72	300/118.11	3/1.18

Timing Mode Table

SIGNAL	RESOLUTION	H-SYNC (KHZ)	V-SYNC (HZ)	COMPOSITE / S-VIDEO	COMPONENT	RGB	DVI/ HDMI
NTSC	—	15.734	60.0	O	—	—	—
PAL/ SECAM	—	15.625	50.0	O	—	—	—
VESA	720 x 400	37.9	85.0	—	—	O	O
	800 x 600	31.5	60.0	—	—	O	O
	800 x 600	37.9	72.0	—	—	O	O
	800 x 600	37.5	75.0	—	—	O	O
	640 x 480	43.3	85.0	—	—	O	O
	800 x 600	35.2	56.0	—	—	O	O
	800 x 600	37.9	60.0	—	—	O	O
	800 x 600	48.1	72.0	—	—	O	O
	800 x 600	46.9	75.0	—	—	O	O
	800 x 600	53.7	85.0	—	—	O	O
	1024 x 768	48.4	60.0	—	—	O	O
	1024 x 768	56.5	70.0	—	—	O	O
	1024 x 768	60.0	75.0	—	—	O	O
	1024 x 768	68.7	85.0	—	—	O	O
	1280 x 800	49.7	59.8	—	—	O	O
	1280 x 800	62.8	74.9	—	—	O	O
	1280 x 800	71.6	84.8	—	—	O	O
	1280 x 1024	63.98	60.0	—	—	O	O
	1280 x 1024	79.98	75.0	—	—	O	O
	1280 x 960	60.0	60.0	—	—	O	O
	1280 x 960	85.9	85.0	—	—	O	O
	1400 x 1050	65.3	60.0	—	—	O	O
	1440 x 900	70.6	75.0	—	—	O	O
	1440 x 900	55.6	60.0	—	—	O	O
Apple® Mac	640 x 480	35.0	66.68	—	—	O	O
	832 x 624	49.725	74.55	—	—	O	O
	1024 x 768	60.24	75.0	—	—	O	O
	1152 x 870	68.68	75.06	—	—	O	O
SDTV	480i	15.734	60.0	—	O	—	O
	576i	15.625	50.0	—	O	—	O
EDTV	480p	31.469	60.0	—	O	—	O
	576p	31.25	50.0	—	O	—	O
HDTV	720p	37.5	50.0	—	O	—	O
	720p	45.0	60.0	—	O	—	O
	1080i	33.8	60.0	—	O	—	O
	1080i	28.1	50.0	—	O	—	O
	1080p	67.5	60.0	—	O	—	O
	1080p	56.3	50.0	—	O	—	O

O: Frequency supported

—: Frequency not supported

*: Displayable level

Qumi Dimensions

160mm
(6.3")

102mm
(4.03")

160mm
(6.3")

32mm
(1.27")
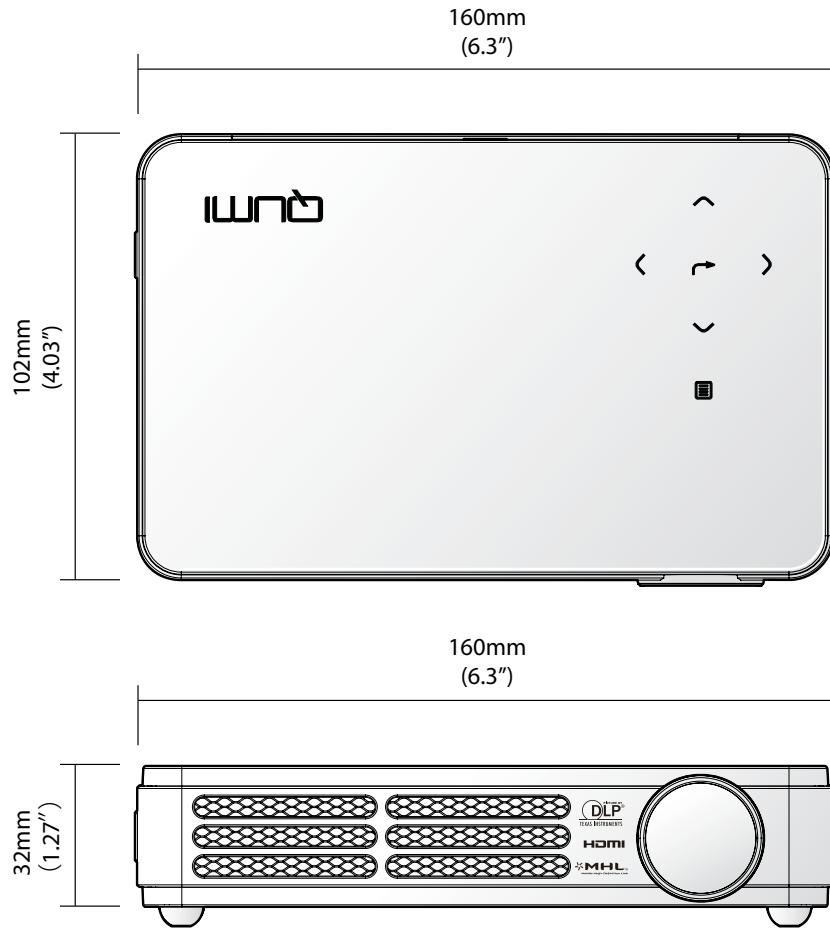
Regulatory Compliance

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.

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

FCC-B, UL, CCC, CE, C-Tick, KC, CB, SASO, NOM, PCT, RoHS, ICES-003 (Canada)

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.