QUMI

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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HIGH-DEFINITION MULTIMEDIA INTERFACE

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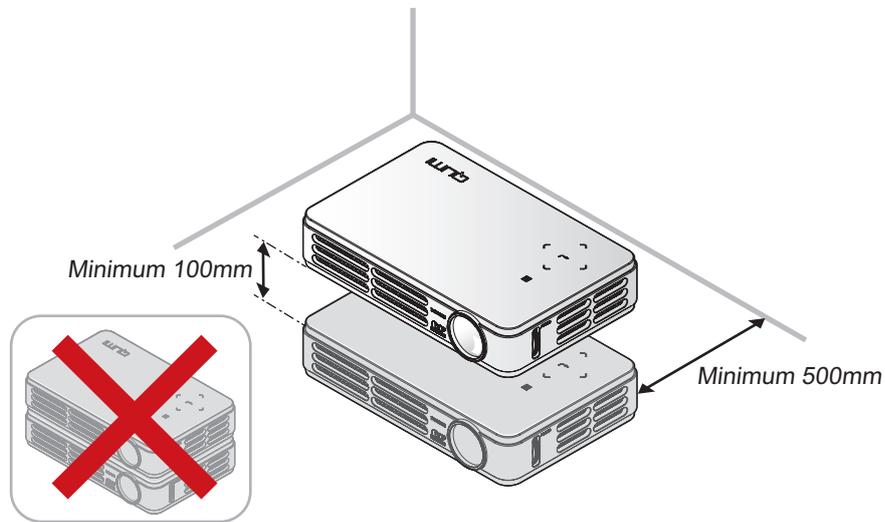
- Make sure that the intake vents do not recycle hot air from the exhaust vent.

- 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 28.

> *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 37.

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.
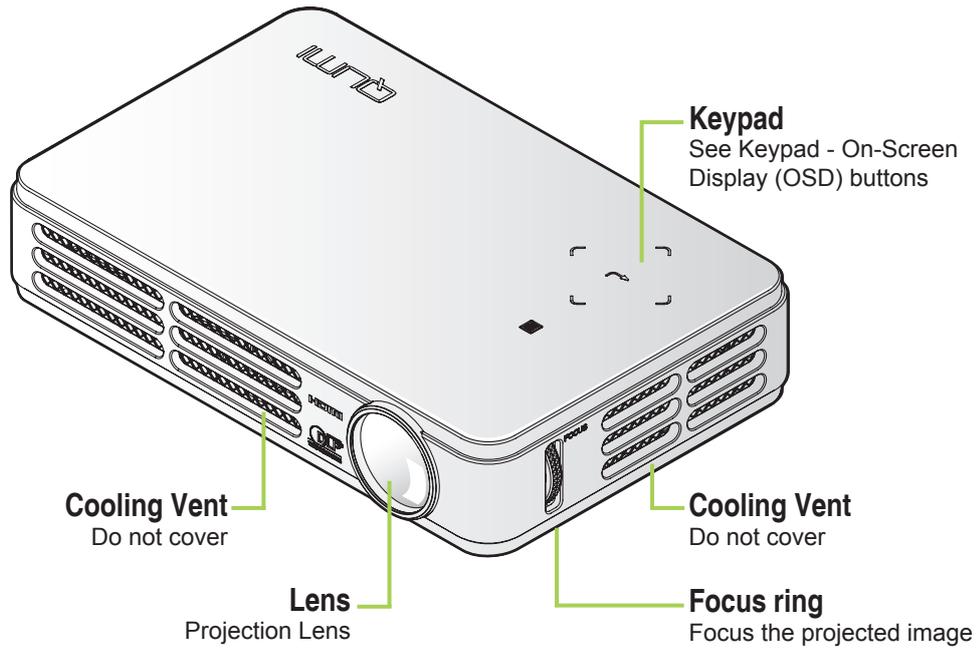
Table of Contents

Chapter 1 At a Glance

Overview

Front/Top/Right View

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

Cooling Vent
Do not cover

Cooling Vent
Do not cover

Lens
Projection Lens

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
For service use

Power Switch
Turn on/off the Qumi

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

MINI HDMI
Connect a MINI HDMI cable
from a HDMI 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

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 (Quick Start Guide, Warranty Card)
	Cable Cores*
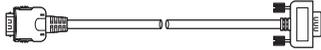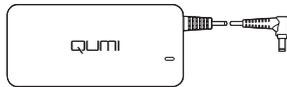
Contact your dealer immediately if any items are missing, appear damaged, or if the unit does not work. It is recommended that you keep the original packing material should you ever need to return the equipment for warranty service.

> *Note:*
> *Accessories will vary from model to model.*
> ** To ensure a high quality performance from your project and to prevent electromagnetic interference (EMI), equip the VGA or HDMI video source cable with the included cable cores.*

Remote Control

ON/OFF
Tuen on or off Qumi
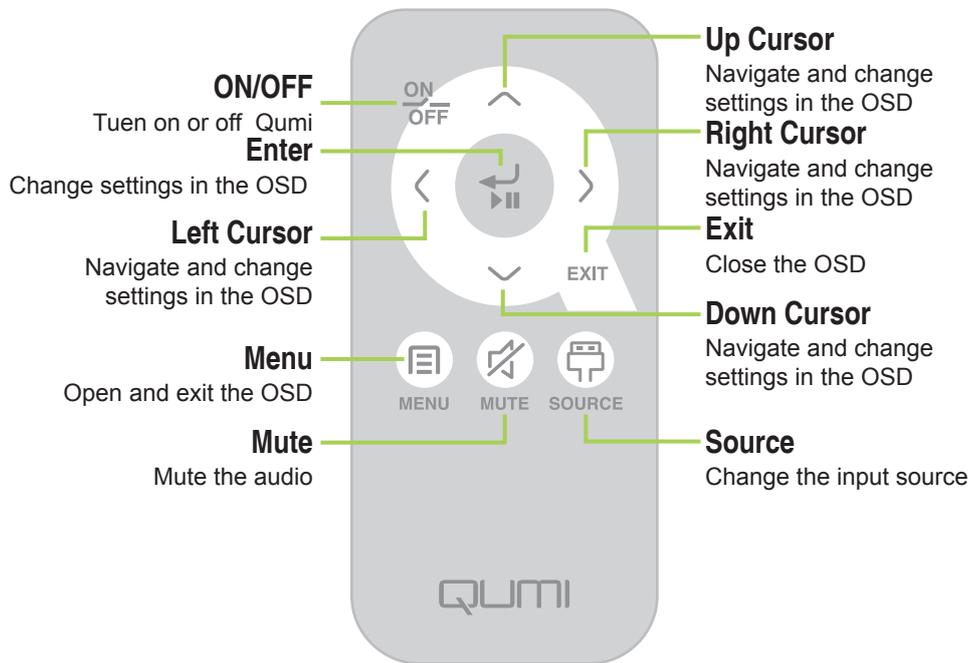
Enter
Change settings in the OSD

Left Cursor
Navigate and change settings in the OSD

Menu
Open and exit the OSD

Mute
Mute the audio

Up Cursor
Navigate and change settings in the OSD

Right Cursor
Navigate and change settings in the OSD

Exit
Close the OSD

Down Cursor
Navigate and change settings in the OSD

Source
Change the input source

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.
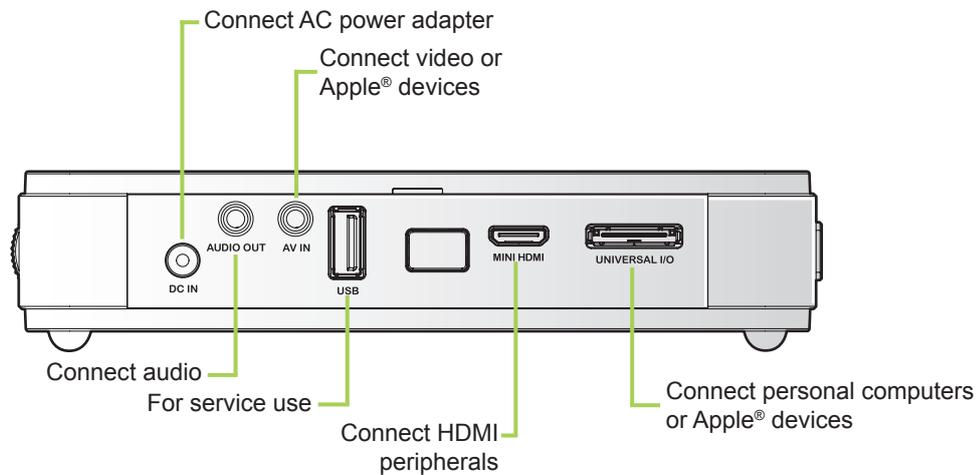
Qumi and Remote Control Buttons

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.

Chapter 2 Getting Started

What You Need

Many types of external devices and peripherals can be connected to the Qumi. DVD, VCD and VHS players can be connected to play movies. Camcorders and digital cameras can also be used to play videos. Computers can be connected to display documents and other types of media stored on the computer.

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 AC power adapter

Connect video or Apple® devices

AUDIO OUT   AV IN

DC IN   USB   MINI HDMI   UNIVERSAL I/O

Connect audio

For service use

Connect HDMI peripherals

Connect personal computers or Apple® devices

Warning:

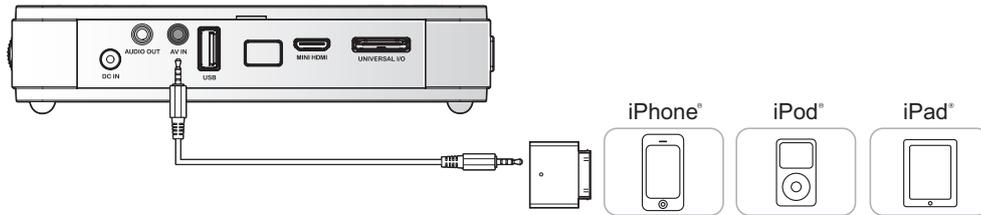As a safety precaution, disconnect all power to the Qumi and connecting devices before making connections.
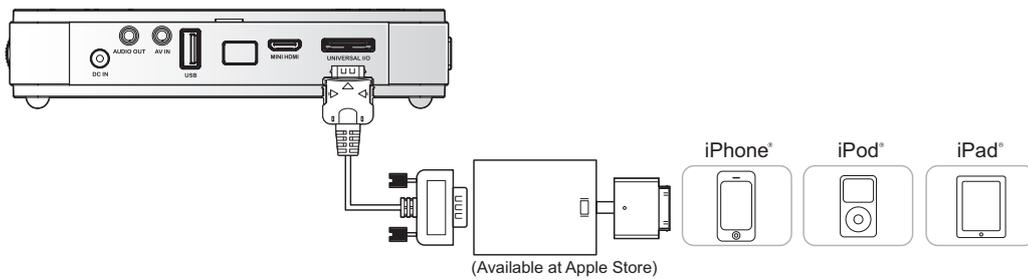
Setting Up Qumi

Connecting Apple® Devices (Optional)

Connect an Apple® device to the Qumi by using the following:
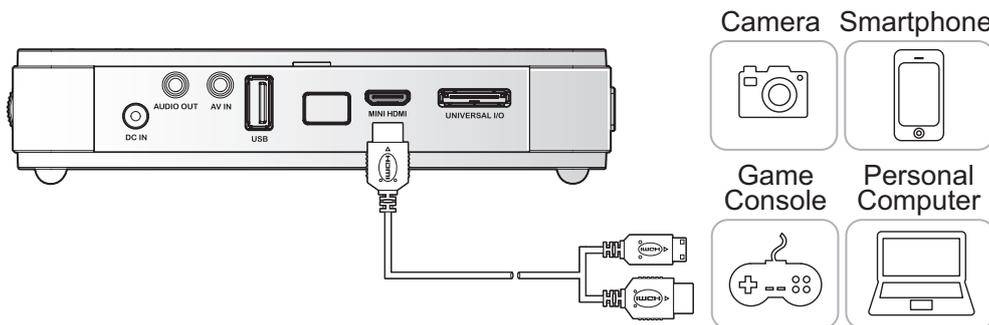
Apple® Connection Kit

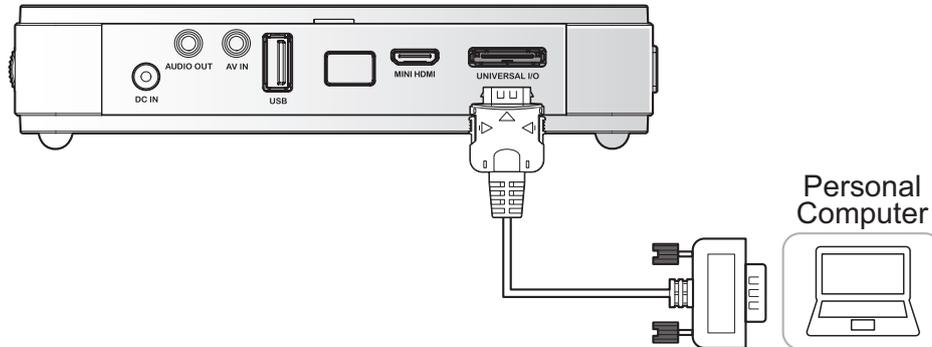### VGA to Apple® Video Adapter (Optional)

(Available at Apple Store)

Connecting Peripherals by HDMI (Optional)

Connect HDMI-compatible peripherals to the Qumi using the Mini to Standard HDMI cable.

Connecting Personal Computers

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

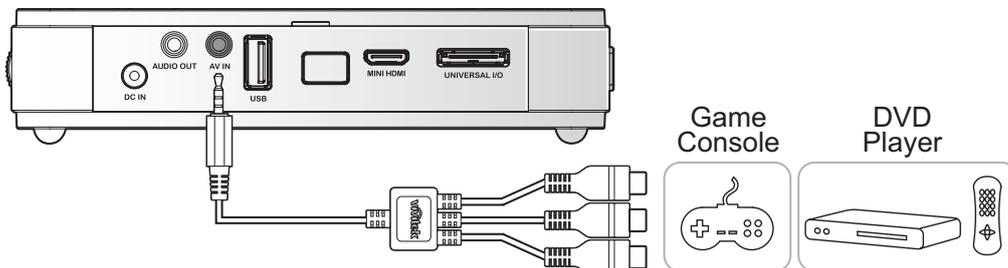Personal Computer

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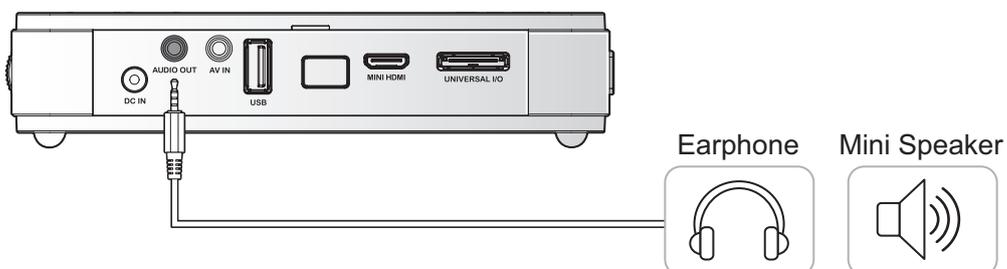> The personal computer must have a VGA output port to use the VGA cable to connect to the Qumi.

Connecting Video

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

Game Console   DVD Player

Connecting Audio

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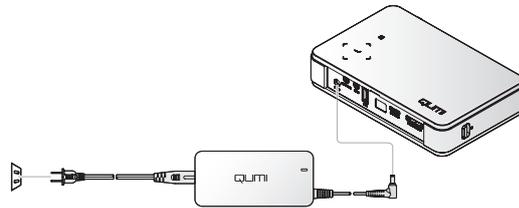

Earphone   Mini Speaker

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. Then slide the ⏻ **POWER** switch to turn on the Qumi.

The Qumi splash screen displays and connected devices are detected.

See *Setting an Access Password (Security Lock)* on page 9 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: HDMI / DVI
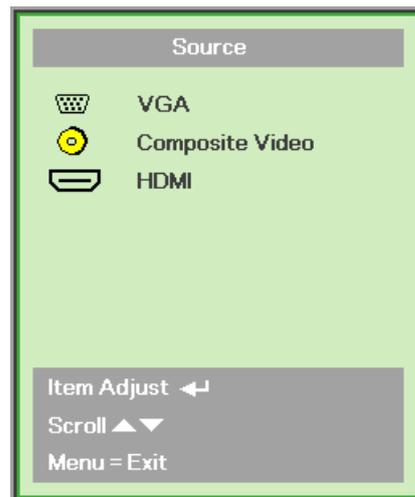
4. Slide the ⏻ **POWER** switch to turn off the Qumi.

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)

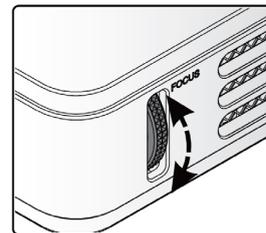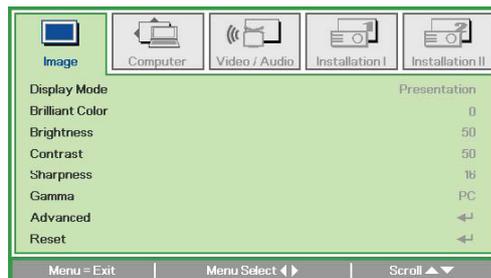To prevent unauthorized use of the Qumi, you can create a password. When the access password function is enabled, the password must be entered after the Qumi has been turned on.

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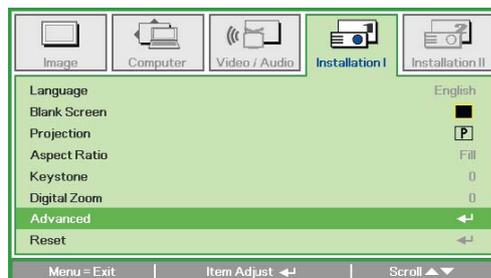
3. Press the ▲ or ▼ button to select **Security Lock**.

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

A password dialog box automatically appears.

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.

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.
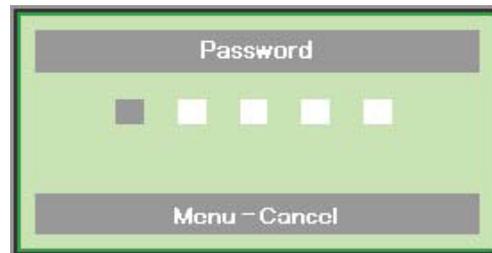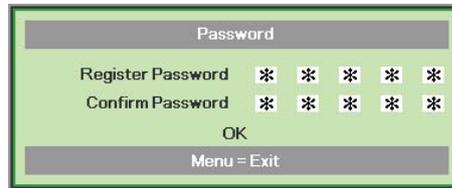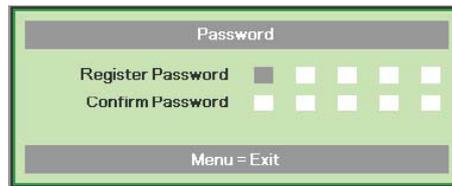
Important:
Keep the password in a safe place. Without the password, you will not be able to use the Qumi. If you lose the password, contact your reseller for information on resetting the password.

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.
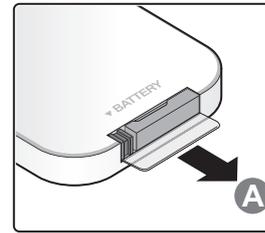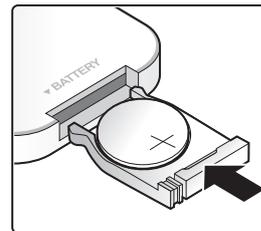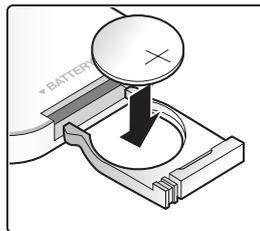

Replacing the Remote Control Batteries

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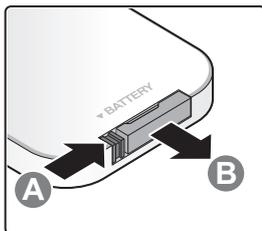
Caution:
1. Use only a 3V lithium battery (CR2025).
2. Dispose of used batteries according to local ordinance regulations.
3. Remove the battery when not using the Qumi for prolonged periods.

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 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 or Universal I/O, the OSD menu can be accessed by pressing the MENU button on the remote control or keypad.
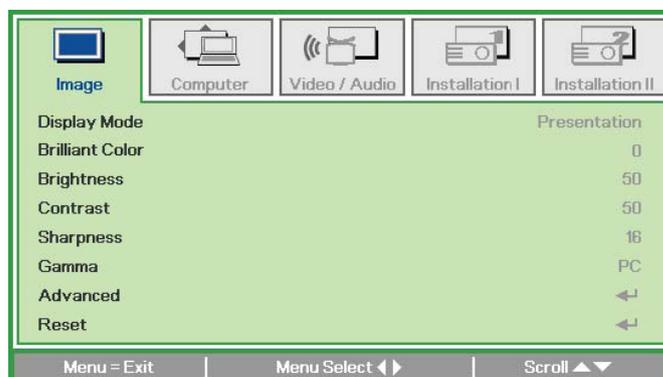
> *Note:*
> *If the OSD menu is inactive for 15 seconds, the OSD menu will close.*

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.

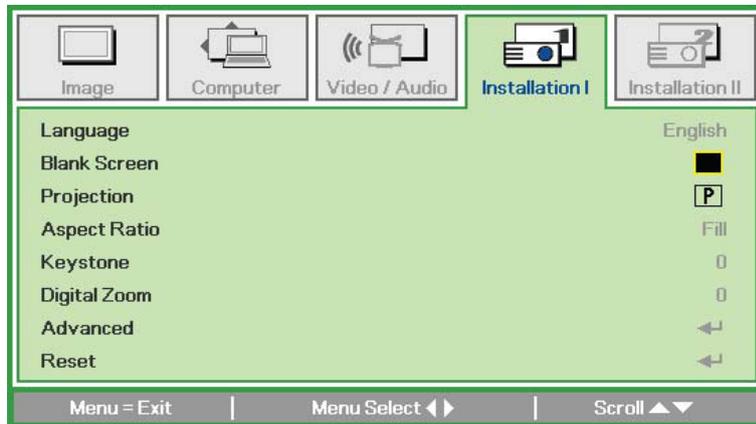| Image	Computer	Video / Audio	Installation I	Installation II
Display Mode				Presentation
Brilliant Color				0
Brightness				50
Contrast				50
Sharpness				16
Gamma				PC
Advanced				↵
Reset				↵

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.*
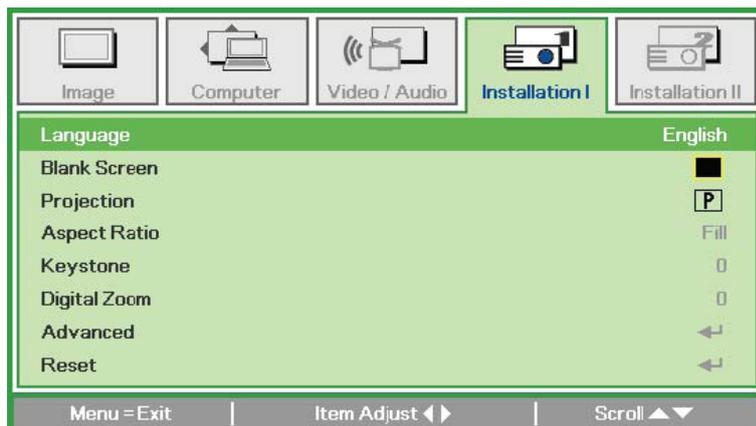
Setting the OSD Language

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.

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	Menu Select ◄►	Scroll ▲▼

2. Press the ▲ or ▼ button until the cursor highlights the **Language** setting.

Image	Computer	Video / Audio	Installation I	Installation II

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

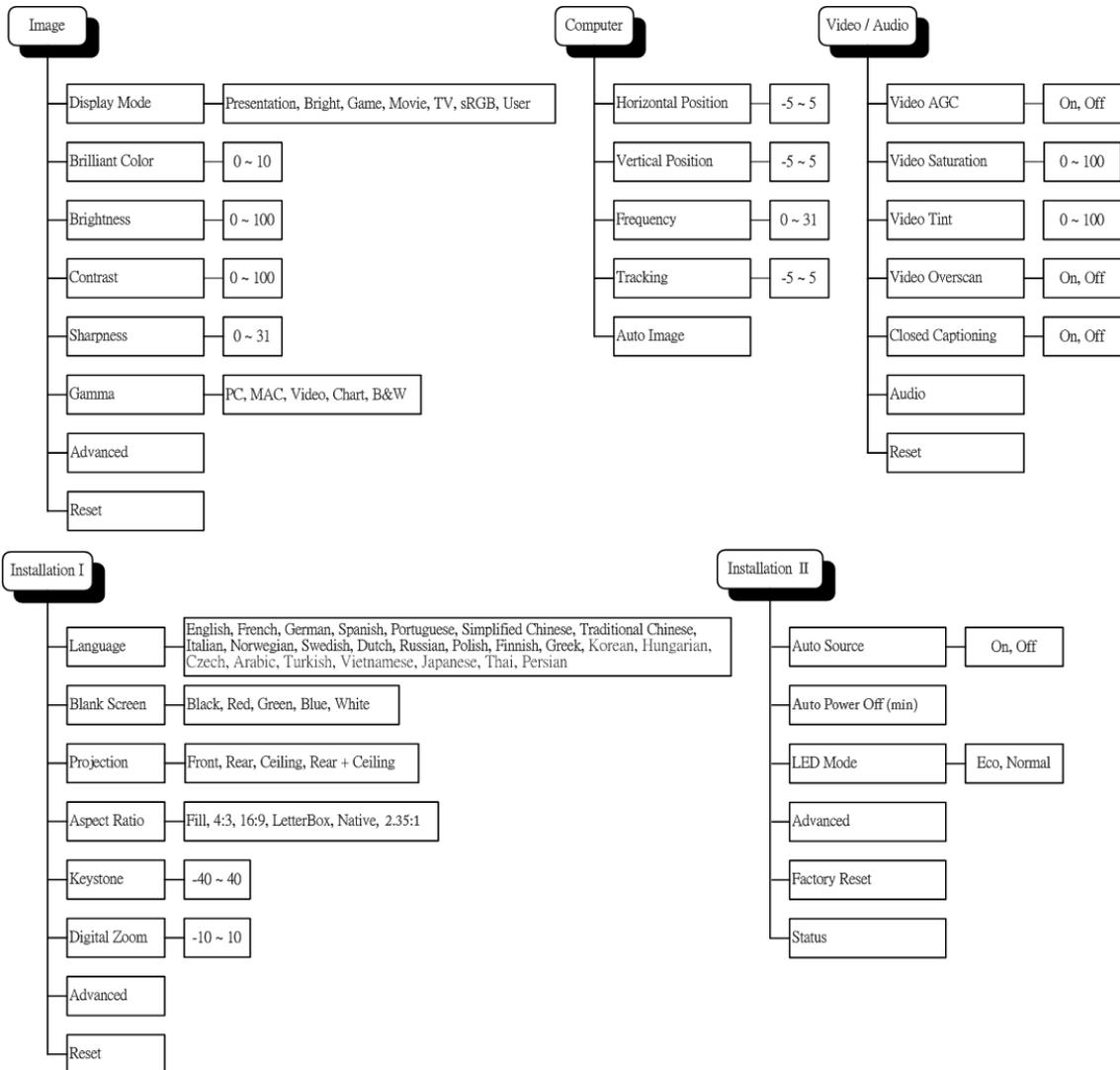| Menu = Exit	Item Adjust ◄►	Scroll ▲▼

3. Press the ◄ or ► button until the language you want is shown in the cursor.

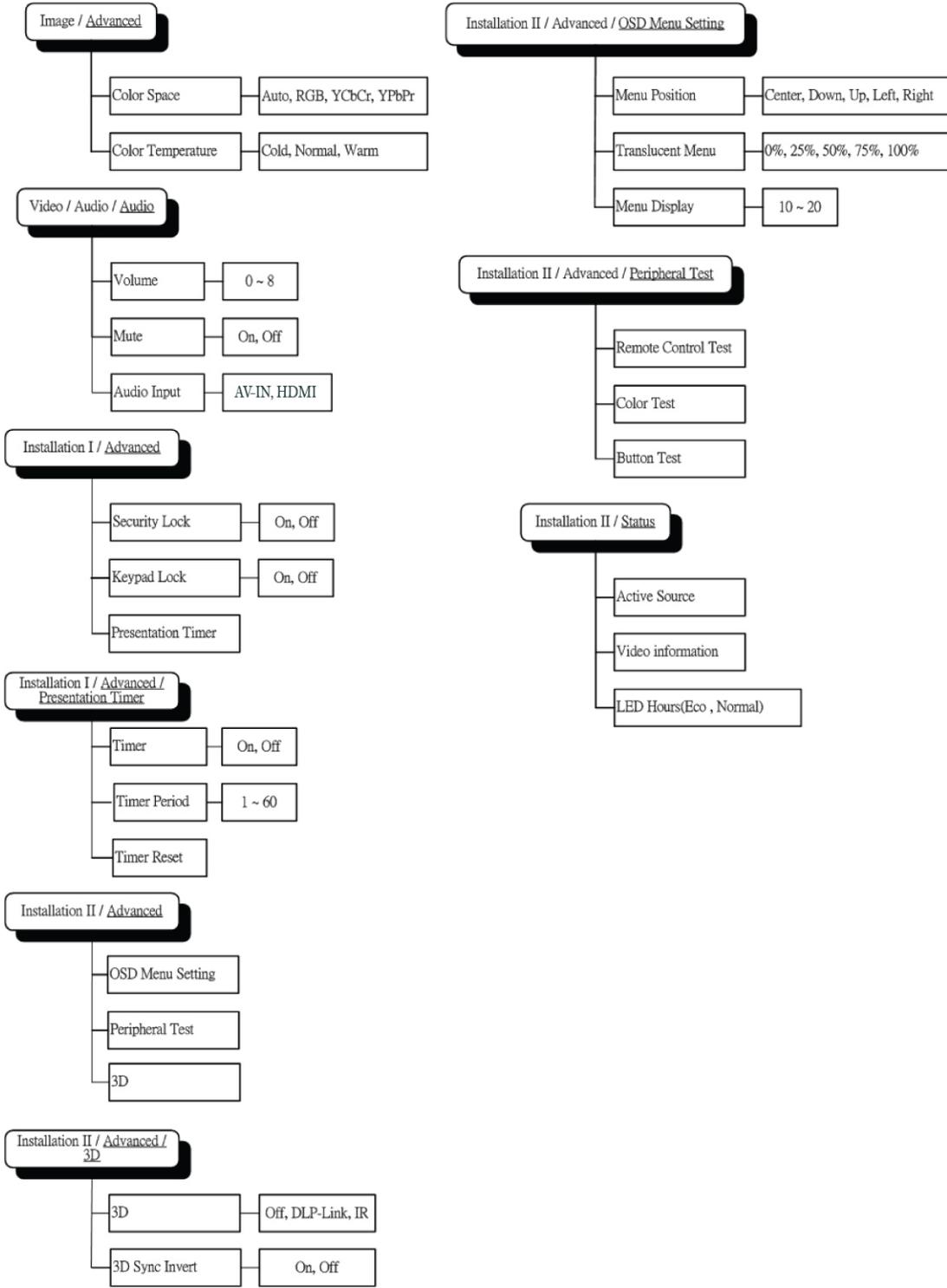4. Press the **EXIT** button or **MENU** button twice to close the OSD.

OSD Menu Overview

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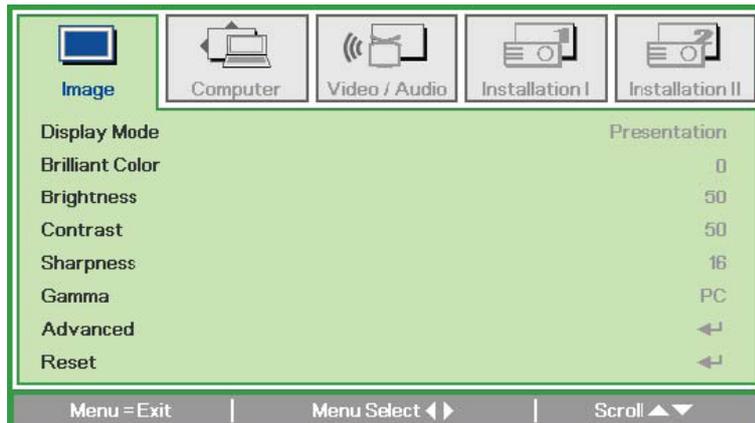
Image

Display Mode	Presentation, Bright, Game, Movie, TV, sRGB, User
Brilliant Color	0 ~ 10
Brightness	0 ~ 100
Contrast	0 ~ 100
Sharpness	0 ~ 31
Gamma	PC, MAC, Video, Chart, B&W
Advanced	
Reset	

Computer

Horizontal Position	-5 ~ 5
Vertical Position	-5 ~ 5
Frequency	0 ~ 31
Tracking	-5 ~ 5
Auto Image	

Video / Audio

Video AGC	On, Off
Video Saturation	0 ~ 100
Video Tint	0 ~ 100
Video Overscan	On, Off
Closed Captioning	On, Off
Audio	
Reset	

Installation I

Language	English, French, German, Spanish, Portuguese, Simplified Chinese, Traditional Chinese, Italian, Norwegian, Swedish, Dutch, Russian, Polish, Finnish, Greek, Korean, Hungarian, Czech, Arabic, Turkish, Vietnamese, Japanese, Thai, Persian
Blank Screen	Black, Red, Green, Blue, White
Projection	Front, Rear, Ceiling, Rear + Ceiling
Aspect Ratio	Fill, 4:3, 16:9, LetterBox, Native, 2.35:1
Keystone	-40 ~ 40
Digital Zoom	-10 ~ 10
Advanced	
Reset	

Installation II

Auto Source	On, Off
Auto Power Off (min)	
LED Mode	Eco, Normal
Advanced	
Factory Reset	
Status	

OSD Sub-Menu Overview

Image / Advanced

- Color Space → Auto, RGB, YCbCr, YPbPr
- Color Temperature → Cold, Normal, Warm

Video / Audio / Audio

- Volume → 0 ~ 8
- Mute → On, Off
- Audio Input → AV-IN, HDMI

Installation I / Advanced

- Security Lock → On, Off
- Keypad Lock → On, Off
- Presentation Timer

Installation I / Advanced / Presentation Timer

- Timer → On, Off
- Timer Period → 1 ~ 60
- Timer Reset

Installation II / Advanced

- OSD Menu Setting
- Peripheral Test
- 3D

Installation II / Advanced / 3D

- 3D → Off, DLP-Link, IR
- 3D Sync Invert → On, Off

Installation II / Advanced / OSD Menu Setting

- Menu Position → Center, Down, Up, Left, Right
- Translucent Menu → 0%, 25%, 50%, 75%, 100%
- Menu Display → 10 ~ 20

Installation II / Advanced / Peripheral Test

- Remote Control Test
- Color Test
- Button Test

Installation II / Status

- Active Source
- Video information
- LED Hours(Eco , Normal)

Qumi

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.

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 ▲ ▼

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 17.
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.

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 ↵.

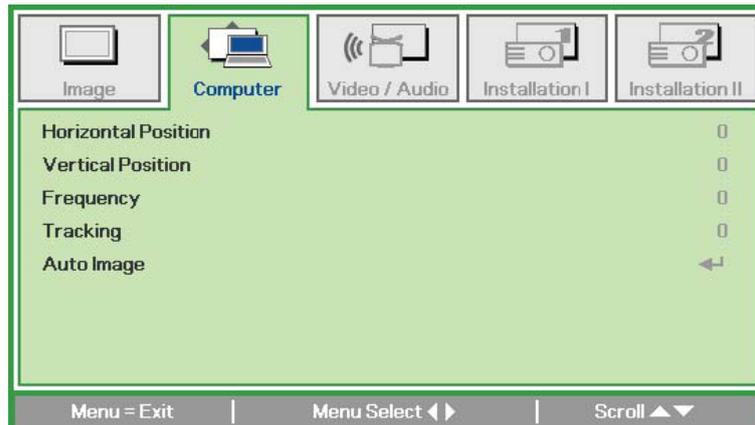4. Press the ▲ or ▼ button to move the cursor up or down in the **Advanced** menu.
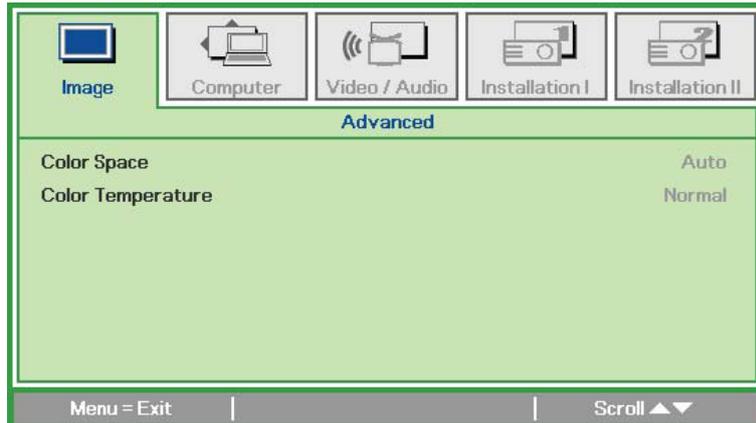
ITEM	DESCRIPTION
Color Space	Press the ◄ or ► button to adjust the color space.
Color Temperature	Press the ◄ or ► button to adjust the color temperature.

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.

Image	Computer	Video / Audio	Installation I	Installation II

Horizontal Position	0
Vertical Position	0
Frequency	0
Tracking	0
Auto Image	↵

Menu = Exit   Menu Select ◄►   Scroll ▲▼

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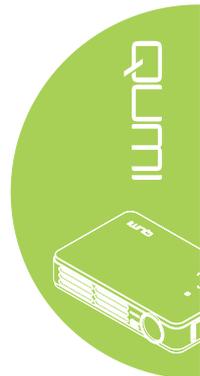
To access the Video/Audio menu and adjust the settings, perform the following steps:

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.

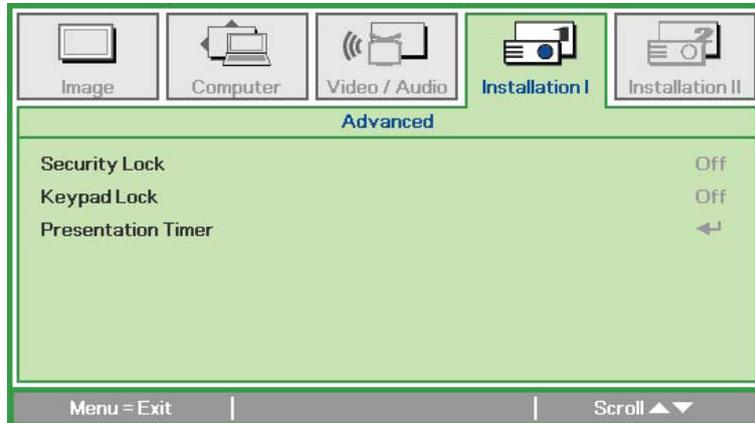4. Press the ◄ or ► button to change values for each applicable setting.

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 ▲▼
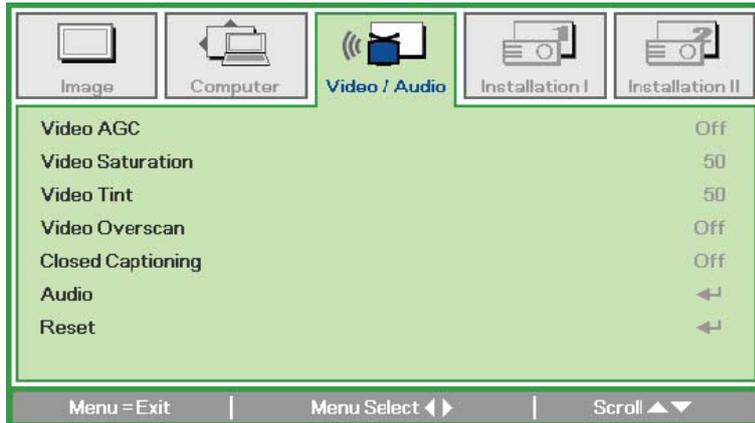
ITEM	DESCRIPTION
Video AGC	Press the ◄ or ► button to enable or disable the Automatic Gain Control for video source.
Video Saturation	Press the ◄ or ► button to adjust the video saturation.
Video Tint	Press the ◄ or ► button to adjust the video tint/hue.
Video Overscan	Press the ◄ or ► button to enable 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 20.
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.
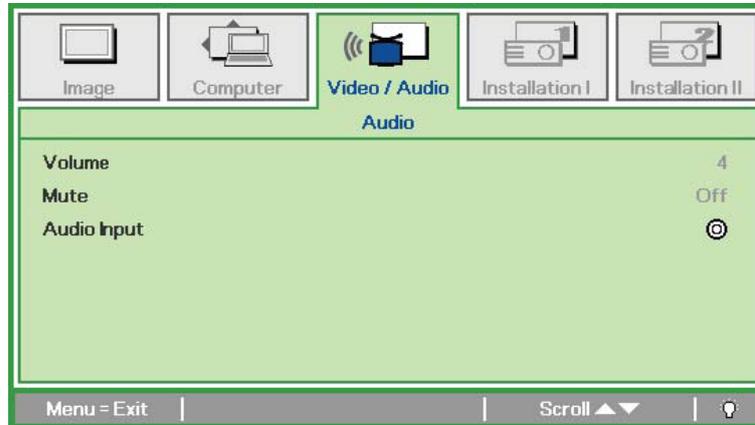
ITEM	DESCRIPTION
Volume	Press the ◄ or ► button to adjust the audio volume.
Mute	Press the ◄ or ► button to turn on or off the audio.
Audio Input	Press the ◄ or ► button to select audio input.

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.
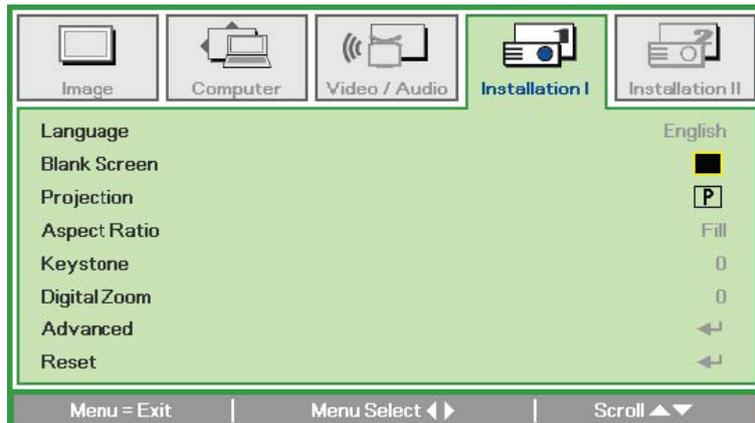
ITEM	DESCRIPTION
Language	Press the ◄ or ► button to select a different localization menu.
Blank Screen	Press the ◄ or ► button to select different color to blank the screen.
Projection	Press the ◄ or ► button to choose from four projection methods: Front, Rear, Ceiling-Front, Ceiling-Rear.
Aspect Ratio	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 22.
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.

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

Advanced

Security Lock	Off
Keypad Lock	Off
Presentation Timer	←

Menu = Exit | Scroll ▲▼

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.

Presentation Timer

To adjust the presentation timer settings, press ← to enter the Presentation Timer sub menu.

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

Advanced \ Presentation Timer

Timer	Off
Timer Period	1n
Timer Reset	←

Menu = Exit | Scroll ▲▼
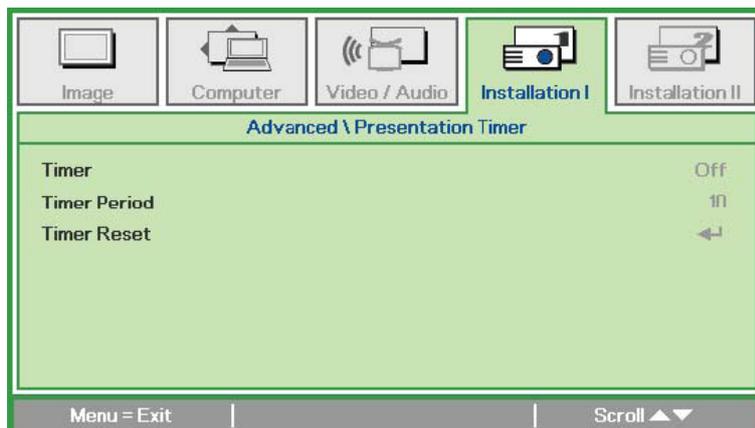
ITEM	DESCRIPTION
Timer	Press the ◄ or ► button to enable or disable presentation timer function.
Timer Period	Press the ◄ or ► button to adjust the display timer period.
Timer Reset	Press ← to reset presentation timer counter.

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
LED Mode				Normal
Advanced				↵
Factory Reset				↵
Status				↵

Menu = Exit | Menu Select ◄► | Scroll ▲▼
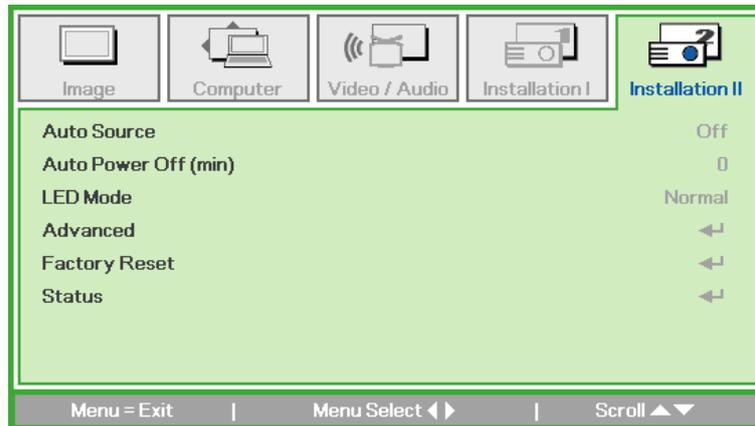
ITEM	DESCRIPTION
Auto Source	Press the ◄ or ► button to enable or disable automatic source detection.
Auto Power Off (min)	Press the ◄ or ► button to automatically turn the projector lamp off when there is no signal.
LED Mode	Press the ◄ or ► button to select the LED mode for higher brightness or lower brightness to save LED life.
Advanced	Press ↵ to enter the Advanced menu. See *Advanced Feature* on page 24.
Factory Reset	Press ↵ to reset all items to factory preset values.
Status	Press ↵ to enter the Status menu. See page 27 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.
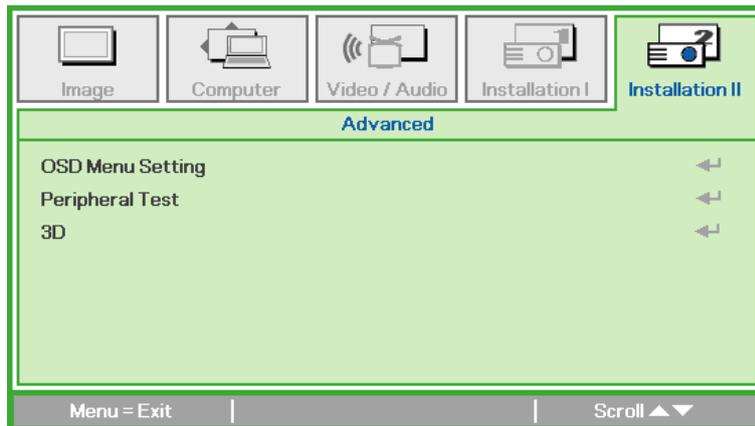
ITEM	DESCRIPTION
OSD Menu Setting	Press ↵ to enter the OSD setting menu. See page 25 for more information on OSD Menu Setting.
Peripheral Test	Press ↵ to enter the Peripheral Test menu. See page 25 for more information on Peripheral Test.
3D	Press ↵ to enter the 3D menu. See *3D* on page 26.

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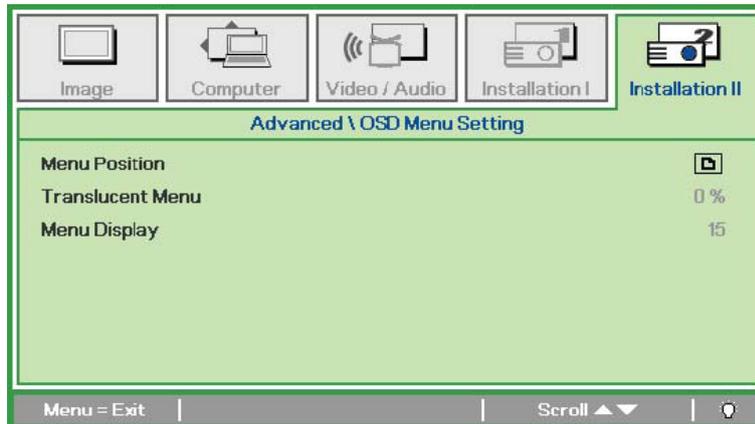
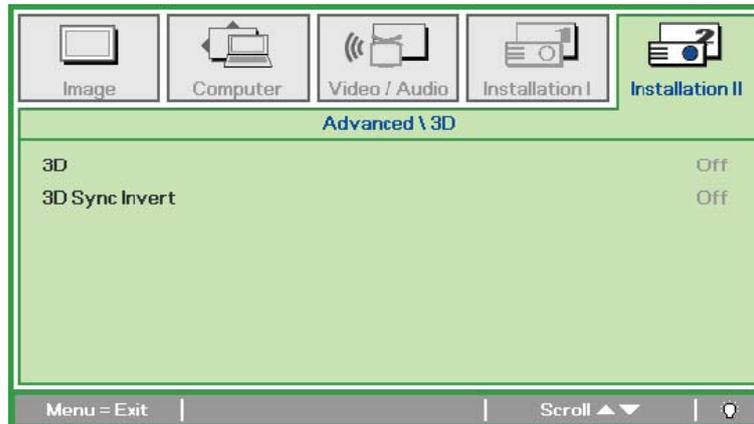| ITEM	DESCRIPTION
Menu Position	Press the ◄ or ► button to select different OSD location.
Translucent Menu	Press the ◄ or ► button to select OSD background translucent level.
Menu Display	Press the ◄ or ► button to select OSD timeout delay.

Peripheral Test
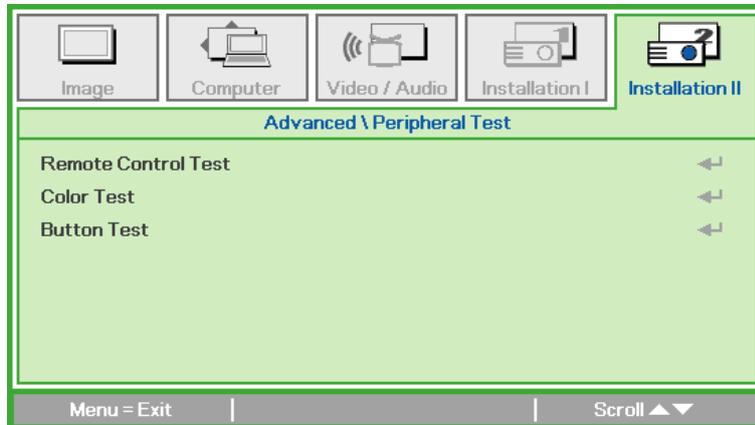
ITEM	DESCRIPTION
Remote Control Test	Press ↵ to test the IR remote controller for diagnostic.
Color Test	Press ↵ to select different colors on screen.
Button Test	Press ↵ to test the button on keypad.

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 ◄┘.
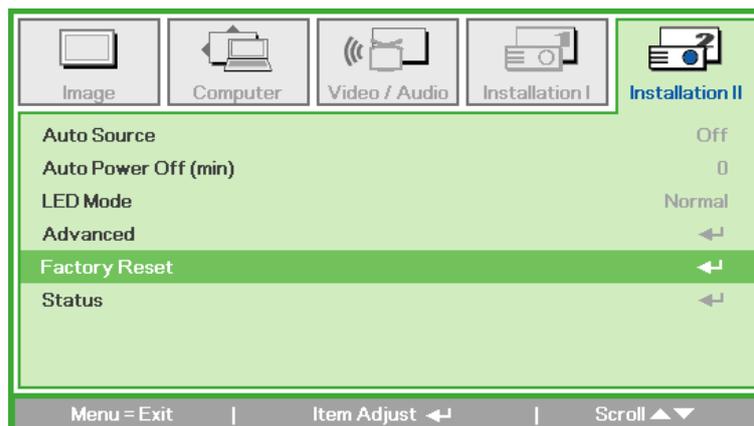
Status

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.
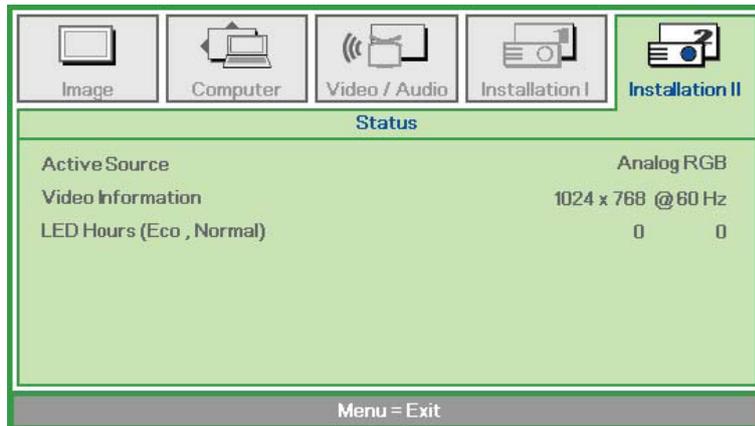
ITEM	DESCRIPTION
Active Source	Displays the activated source.
Video Information	Displays resolution/video information for RGB source and color standard for Video source.
LED Hours	LED use information is displayed (in hours). Eco and Normal counters are separated.

Chapter 4 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.

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.

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 an iPad® connect to the Qumi?**

   An Apple® iPad to VGA converter cable is required. To connect it to the Qumi, connect the cable from the iPad to the converter. The VGA converter can then be connected to the Qumi. The output of the iPad will be properly resized to fit the Qumi's native resolution and full screen view.

5. **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 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.

6. **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.

7. **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.

Vivitek Support Site

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

Specifications

Model	Qumi Q2-L 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
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, PSB, ICES-003(Canada)
Operation Temperature	5° ~ 35°C
Dimensions (WxHxD)	160.0mm (6.3") x 102.4mm (4.03") x 32.3mm (1.27")
AC Input	AC Universal 100 - 240, Typical @ 110VAC (100-240)/+-10%
Power Consumption	65W
Input Terminals	VGA (through 24-pin connector) x 1
	3.5mm AV IN x 1
	Mini HDMI™ x 1
	USB type A x 1 (For service use)
Output Terminals	3.5mm earphone jack (volume control) x 1

Note:
For questions regarding product specifications, please contact your local distributor.

Projection Distance vs. Projection Size
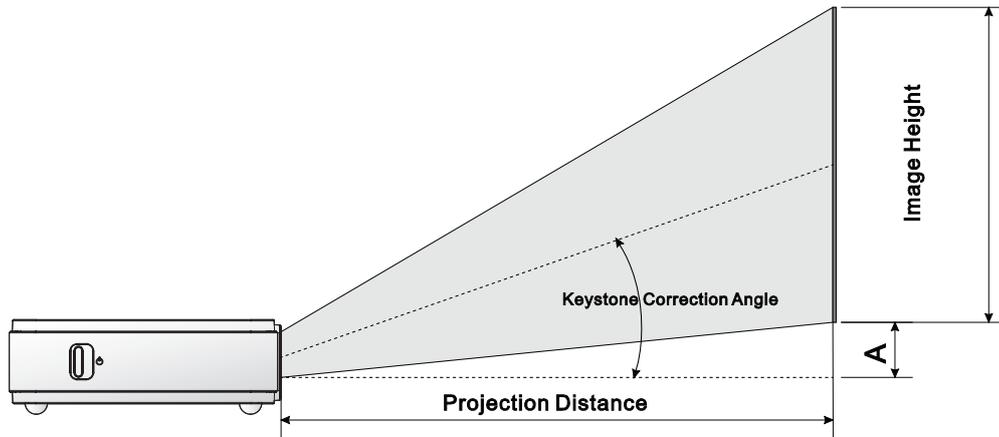
Projection Distance and Size Table

IMAGE DIAGONAL (MM/INCHES)	IMAGE WIDTH (MM/INCHES)	IMAGE HIGH (MM/INCHES)	PROJECTION DISTANCE (MM/INCHES)	OFFSET-A (MM/INCHES)
762/30	646/25.43	404/15.91	1000/39.37	10/0.40
1016/40	862/33.94	538/21.18	1340/52.76	13/0.51
1143/45	969/38.15	606/23.86	1500/59.06	15/0.59
1270/50	1077/42.40	673/26.50	1670/65.75	17/0.66
1524/60	1292/50.87	808/31.81	2000/78.74	20/0.79
1778/70	1508/59.37	942/37.09	2340/92.13	24/0.92
2032/80	1723/67.83	1077/42.40	2670/105.12	27/1.06
2286/90	1939/76.34	1212/47.72	3000/118.11	30/1.18

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

160.0mm
(6.3")

102.4mm
(4.03")

160.0mm
(6.3")

32.3mm
(1.27")
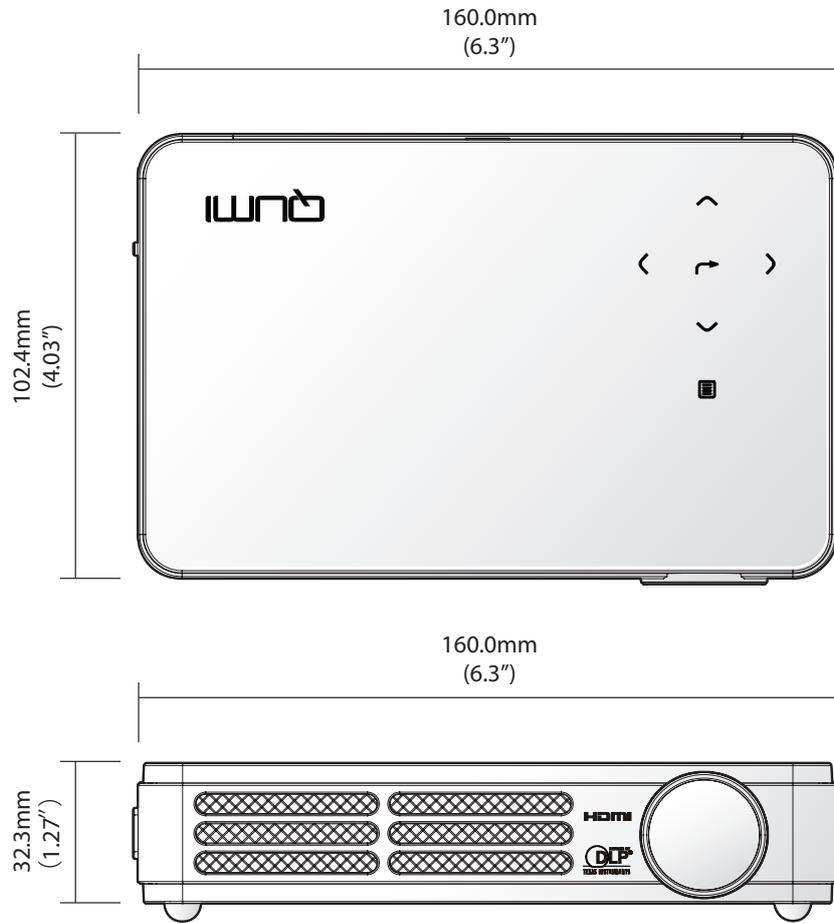
Regulatory Compliance

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, PSB, ICES-003 (Canada)

Disposal and Recycling

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