DLP® Projector

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SAFETY

⚡	The lightning flash with arrow head within an equilateral triangle is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.
⚠	The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

Please follow all warnings, precautions and maintenance as recommended in this user's guide.

Important Safety Instruction
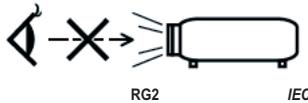
RG2   IEC

- Do not stare into the beam, RG2.

  As with any bright source, do not stare into the direct beam, RG2 IEC 62471-5:2015.

- Do not block any ventilation openings. To ensure reliable operation of the projector and to protect from over heating, it is recommended to install the projector in a location that does not block ventilation. As an example, do not place the projector on a crowded coffee table, sofa, bed, etc. Do not put the projector in an enclosure such as a book case or a cabinet that restricts air flow.

- To reduce the risk of fire and/or electric shock, do not expose the projector to rain or moisture. Do not install near heat sources such as radiators, heaters, stoves or any other apparatus such as amplifiers that emits heat.

- Do not let objects or liquids enter the projector. They may touch dangerous voltage points and short out parts that could result in fire or electric shock.

- Do not use under the following conditions:
  - In extremely hot, cold or humid environments.

    (i) Ensure that the ambient room temperature is within 5°C ~ 35°C

    (ii) Relative humidity is 10% ~ 85%

  - In areas susceptible to excessive dust and dirt.
  - Near any appliance generating a strong magnetic field.
  - In direct sunlight.

- Do not use the projector in places where flammable gases or explosives gases may be present in the atmosphere. The lamp inside the projector becomes very hot during operation and the gases may ignite and result in a fire.

- Do not use the unit if it has been physically damaged or abused. Physical damage/abuse would be (but not limited to):
  - Unit has been dropped.
  - Power supply cord or plug has been damaged.
  - Liquid has been spilled on to the projector.
  - Projector has been exposed to rain or moisture.
  - Something has fallen in the projector or something is loose inside.

- Do not place the projector on an unstable surface. The projector may fall over resulting in injury or the projector may become damaged.

- Do not block the light coming out of the projector lens when in operation. The light will heat the object and my melt, cause burns or start a fire.

- Please do not open or disassemble the projector as this may cause electric shock.

- Do not attempt to service the unit yourself. Opening or removing covers may expose you to dangerous voltages or other hazards. Please call Optoma before you send the unit for repair.

- See projector enclosure for safety related markings.

- The unit should only be repaired by appropriate service personnel.

- Only use attachments/accessories specified by the manufacturer.

- Do not look into straight into the projector lens during operation. The bright light may harm your eyes.

- When switching the projector off, please ensure the cooling cycle has been completed before disconnecting power.

- Turn off and unplug the power plug from the AC outlet before cleaning the product.

- Use a soft dry cloth with mild detergent to clean the display housing. Do not use abrasive cleaners, waxes or solvents to clean the unit.

- Disconnect the power plug from AC outlet if the product is not being used for a long period of time.

- *Do not setup the projector in places where it might be subjected to vibration or shock.*

- *Do not touch the lens with bare hands*

- *Remove battery/batteries from remote control before storage. If the battery/batteries are left in the remote for long periods, they may leak.*

- *Do not use or store the projector in places where smoke from oil or cigarettes may be present, as it can adversely affect the quality of the projector performance.*

- *Please follow the correct projector orientation installation as non standard installation may affect the projector performance.*

- *Use a power strip and or surge protector. As power outages and brown-outs can KILL devices.*

3D Safety Information

Please follow all warnings and precautions as recommended before you or your child use the 3D function.

Warning

Children and teenagers may be more susceptible to health issues associated with viewing in 3D and should be closely supervised when viewing these images.

Photosensitive Seizure Warning and Other Health Risks

- Some viewers may experience an epileptic seizure or stroke when exposed to certain flashing images or lights contained in certain Projector pictures or video games. If you suffer from, or have a family history of epilepsy or strokes, please consult with a medical specialist before using the 3D function.

- Even those without a personal or family history of epilepsy or stroke may have an undiagnosed condition that can cause photosensitive epileptic seizures.

- Pregnant women, the elderly, sufferers of serious medical conditions, those who are sleep deprived or under the influence of alcohol should avoid utilizing the unit's 3D functionality.

- If you experience any of the following symptoms, stop viewing 3D pictures immediately and consult a medical specialist: (1) altered vision; (2) light-headedness; (3) dizziness; (4) involuntary movements such as eye or muscle twitching; (5) confusion; (6) nausea; (7) loss of awareness; (8) convulsions; (9) cramps; and/ or (10) disorientation. Children and teenagers may be more likely than adults to experience these symptoms. Parents should monitor their children and ask whether they are experiencing these symptoms.

- Watching 3D projection may also cause motion sickness, perceptual after effects, disorientation, eye strain and decreased postural stability. It is recommended that users take frequent breaks to lessen the potential of these effects. If your eyes show signs of fatigue or dryness or if you have any of the above symptoms, immediately discontinue use of this device and do not resume using it for at least thirty minutes after the symptoms have subsided.

- Watching 3D projection while sitting too close to the screen for an extended period of time may damage your eyesight. The ideal viewing distance should be at least three times the screen height. It is recommended that the viewer's eyes are level with the screen.

- Watching 3D projection while wearing 3D glasses for an extended period of time may cause a headache or fatigue. If you experience a headache, fatigue or dizziness, stop viewing the 3D projection and rest.
- Do not use the 3D glasses for any other purpose than for watching 3D projection.
- Wearing the 3D glasses for any other purpose (as general spectacles, sunglasses, protective goggles, etc.) may be physically harmful to you and may weaken your eyesight.
- Viewing in 3D projection may cause disorientation for some viewers. Accordingly, DO NOT place your 3D PROJECTOR near open stairwells, cables, balconies, or other objects that can be tripped over, run into, knocked down, broken or fallen over.

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FCC

This device 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 in a residential installation. This device generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation. If this device does cause harmful interference to radio or television reception, which can be determined by turning the device off and on is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the device and receiver.
- Connect the device into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/television technician for help.

Notice: Shielded cables

All connections to other computing devices must be made using shielded cables to maintain compliance with FCC regulations.

Caution

Changes or modifications not expressly approved by the manufacturer could void the user's authority, which is granted by the Federal Communications Commission, to operate this projector.

Operation Conditions

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

1. This device may not cause harmful interference and

2. This device must accept any interference received, including interference that may cause undesired operation.

Notice: Canadian users

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

Remarque à l'intention des utilisateurs canadiens

Cet appareil numerique de la classe B est conforme a la norme NMB-003 du Canada.

Declaration of Conformity for EU countries

- EMC Directive 2014/30/EC (including amendments)
- Low Voltage Directive 2014/35/EC
- R & TTE Directive 1999/5/EC (if product has RF function)

WEEE

Disposal instructions

Do not throw this electronic device into the trash when discarding. To minimize pollution and ensure utmost protection of the global environment, please recycle it.

INTRODUCTION

Package Overview

Carefully unpack and verify that you have the items listed below under standard accessories. Some of the items under optional accessories may not be available depending on the model, specification and your region of purchase. Please check with your place of purchase. Some accessories may vary from region to region.

The warranty card is only supplied in some specific regions. Please consult your dealer for detailed information.

Standard accessories

Projector	**Remote control**	**AC adapter**	☑ Basic User Manual **Documentation**
Power lead	**AV cable**	**Carry bag**	
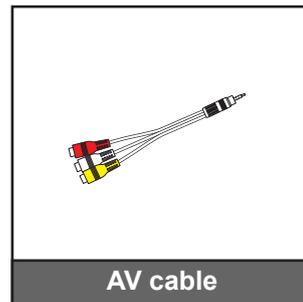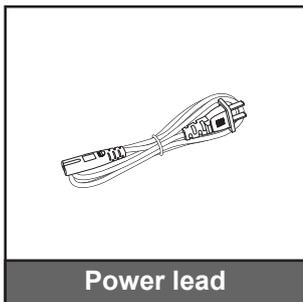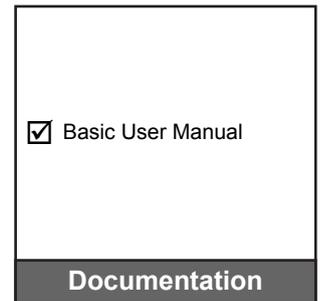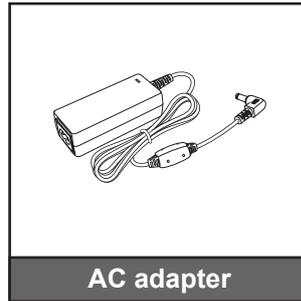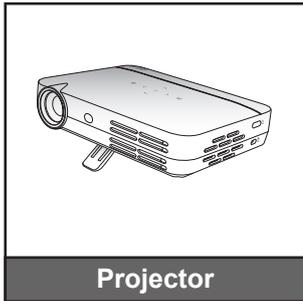
Note:

- *The remote control is shipped with the battery.*

INTRODUCTION

Product Overview
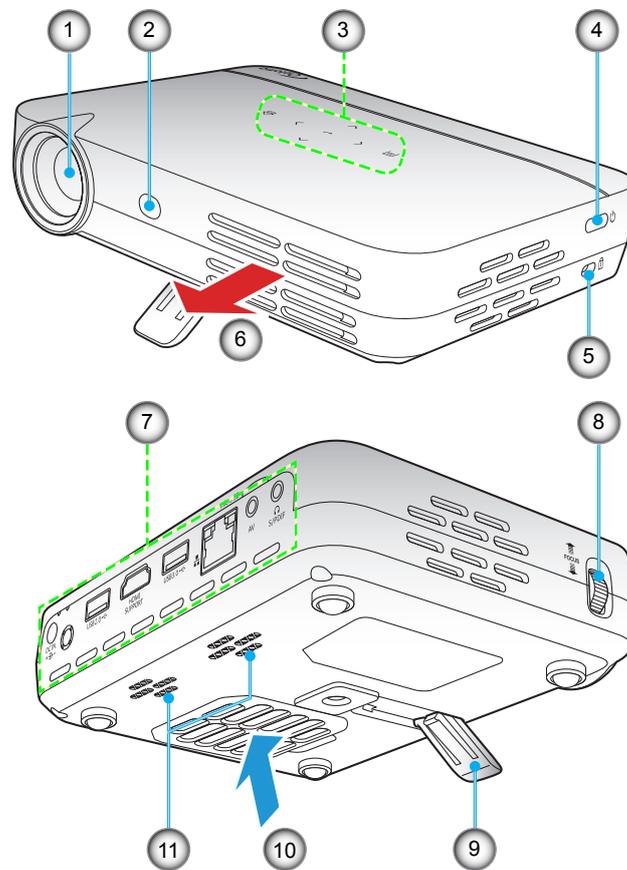
Note: *Keep a minimum distance of 20 cm between the inlet and outlet vents.*

No	Item	No	Item
1.	Lens	7.	Input / Output
2.	IR Receiver	8.	Focus Ring
3.	Touch Control Panel	9.	Kickstand
4.	Power Button	10.	Ventilation (inlet)
5.	Kensington™ Lock Port	11.	Speakers
6.	Ventilation (outlet)		

INTRODUCTION

Connections
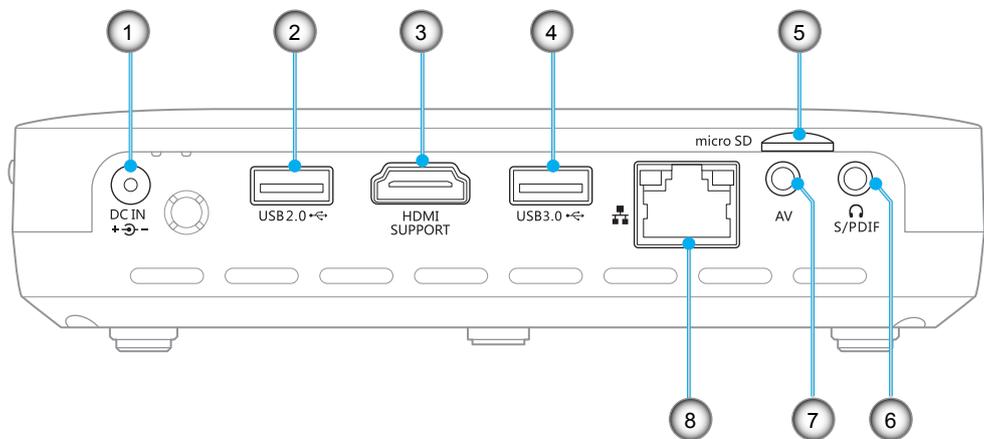
No	Item
1.	DC IN Connector
2.	USB2.0 Connector
3.	HDMI SUPPORT Connector
4.	USB3.0 Connector
5.	Micro SD Card Slot
6.	Headphone and S/PDIF Output
7.	AV Connector
8.	Ethernet (RJ-45) Connector

Note: *Remote mouse requires special remote control.*

INTRODUCTION

Touch Control Panel
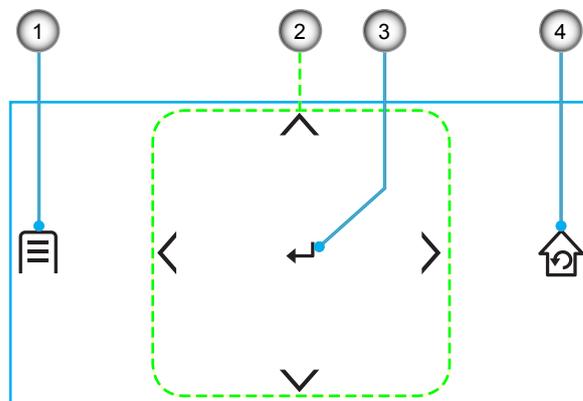
No	Item
1.	Setting
2.	Four Directional Select Keys
3.	Enter
4.	Home/Return

INTRODUCTION

Remote control
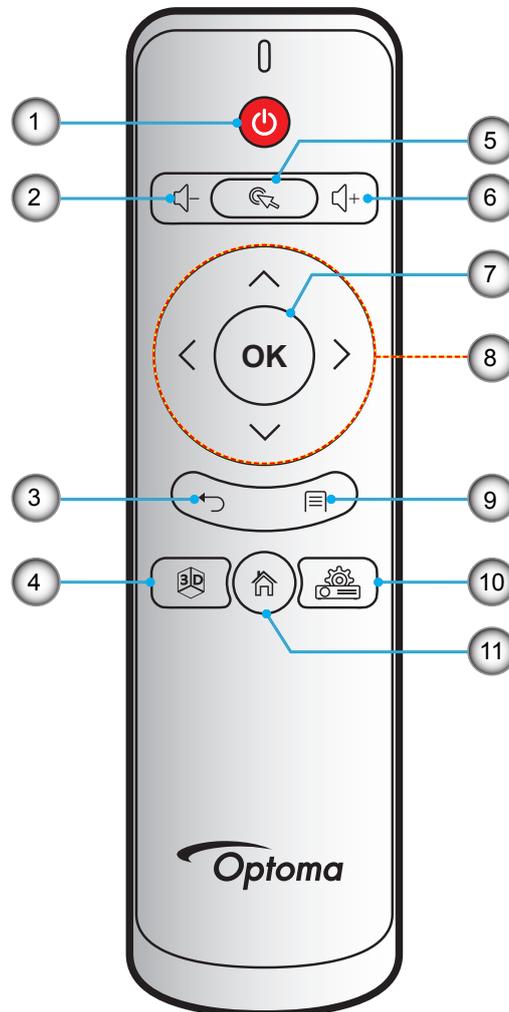
No	Item		No	Item
1.	Power		7.	OK
2.	Volume -		8.	Four Directional Select Keys
3.	Return		9.	Setting
4.	3D		10.	Device Setting
5.	Mouse pointer		11.	Home
6.	Volume +			

Note:

- *The actual remote control may vary depending on the region.*
- *Some keys may have no function for models that do not support these features.*

SETUP AND INSTALLATION

Tripod Mount the projector

Screw a standard tripod into the screw hole on the projector.
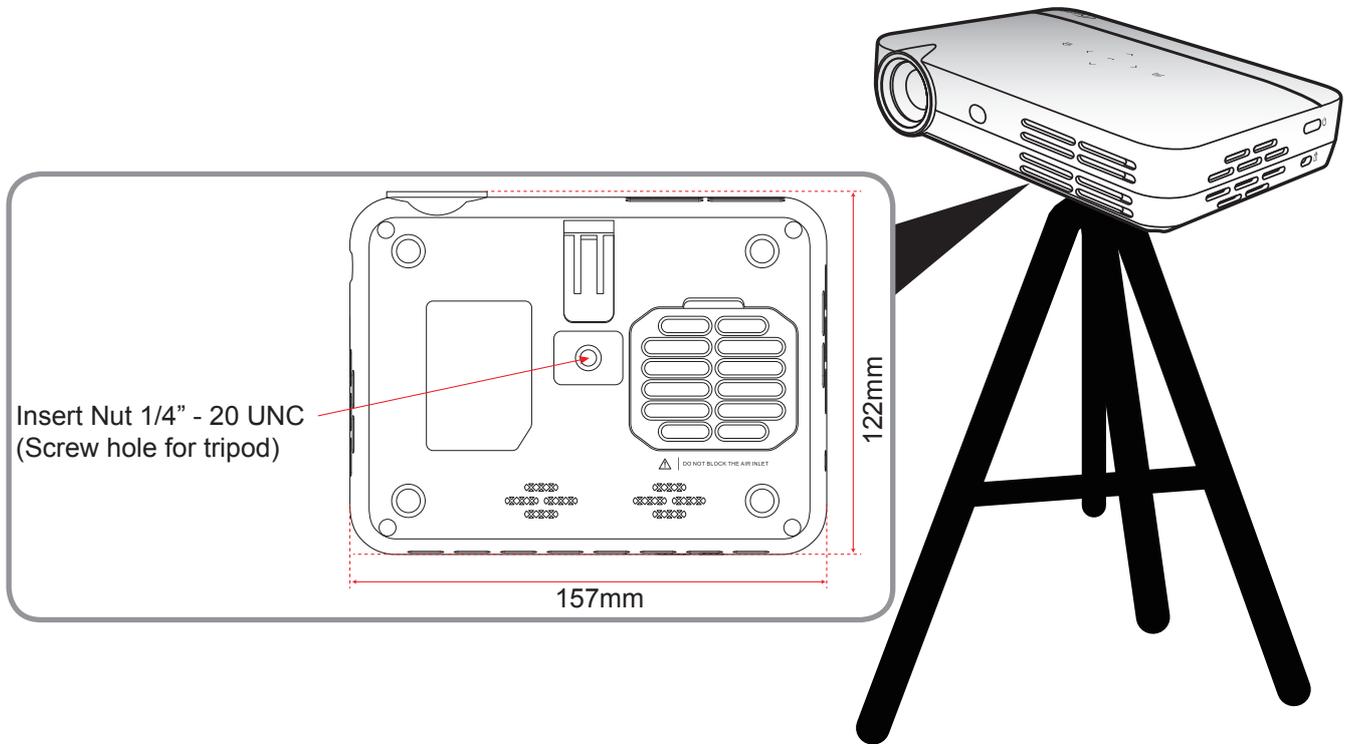
Insert Nut 1/4" - 20 UNC
(Screw hole for tripod)

122mm

157mm

DO NOT BLOCK THE AIR INLET

Note:

- Please note that damage resulting from incorrect installation will void the warranty.

- How to determine projector location for a given screen size, please refer to distance table on page *46*.

SETUP AND INSTALLATION

Connecting sources to the projector
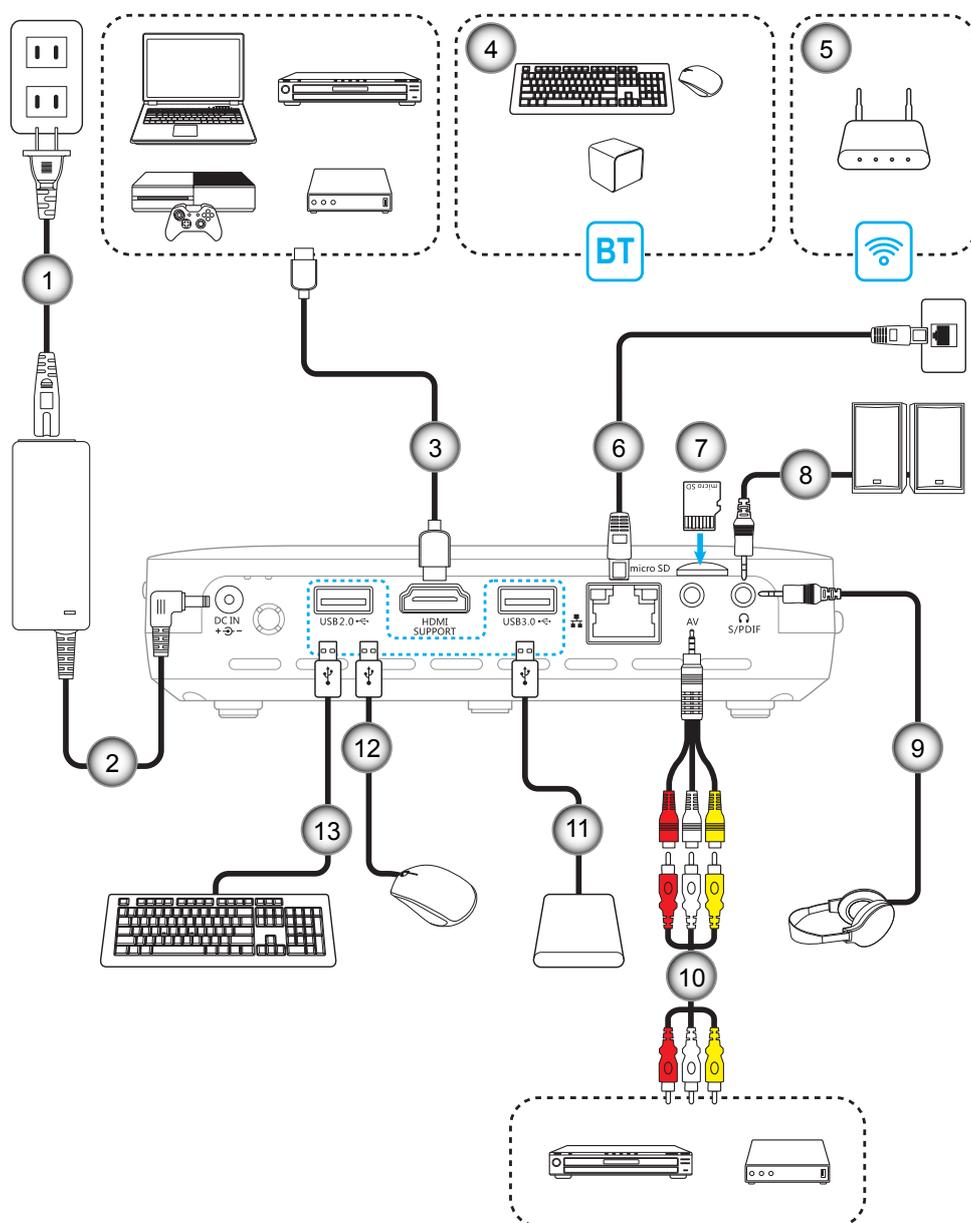
No	Item	No	Item
1.	Power Cord	8.	Audio Out Cable
2.	12V DC Jack	9.	Audio Out Cable
3.	HDMI Cable	10.	AV Cable
4.	Bluetooth	11.	USB Cable
5.	Wireless Network	12.	USB Cable
6.	RJ-45 Cable	13.	USB Cable
7.	Micro SD Card		

SETUP AND INSTALLATION

Adjusting the projector image

Image height

Open the kickstand to adjust the image height.

Kickstand
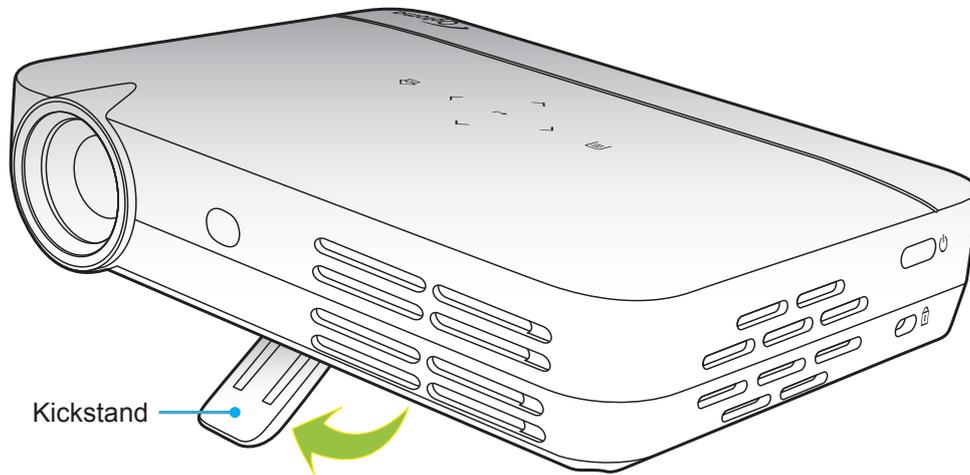
Focus

Turn the focus ring up or down until the image is clear.

Focus Ring
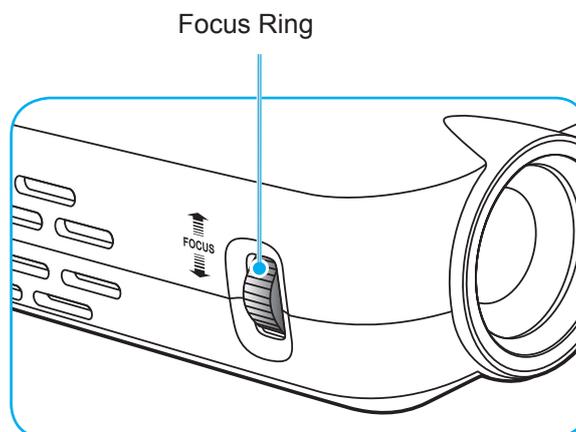
SETUP AND INSTALLATION

Remote setup

Installing / replacing the batteries

Two AAA size batteries are supplied for the remote control.

1. Remove the battery cover on the back of the remote control.
2. Insert AAA batteries in the battery compartment as illustrated.
3. Replace back cover on remote control.
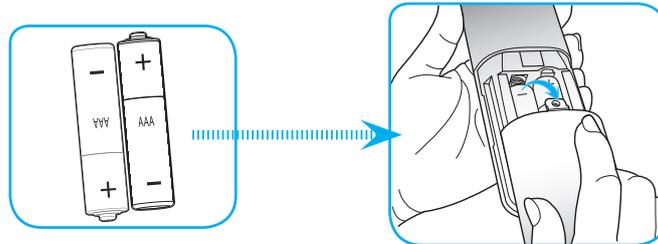
Note: *Replace only with the same or equivalent type batteries.*

CAUTION

Improper use of batteries can result in chemical leakage or explosion. Be sure to follow the instructions below.

- Do not mix batteries of different types. Different types of batteries have different characteristics.
- Do not mix old and new batteries. Mixing old and new batteries can shorten the life of new batteries or cause chemical leakage in old batteries.
- Remove batteries as soon as the are depleted. Chemicals that leak from batteries that come in contact with skin can cause a rash. If you find any chemical leakage, wipe thoroughly with a cloth.
- The batteries supplied with this product may have a shorter life expectancy due to storage conditions.
- If you will not be using the remote control for an extended period of time, remove the batteries.
- When you dispose of the batteries, you must obey the law in the relative area or country.

Effective range

Infra-Red (IR) remote control sensor is located on the top side and front side of the projector. Ensure to hold the remote control at an angle within 30 degrees perpendicular to the projector's IR remote control sensor to function correctly. The distance between the remote control and the sensor should not be longer than 7 meters (~ 23 feet).

- Make sure that there are no obstacles between the remote control and the IR sensor on the projector that might obstruct the infra-red beam.
- Make sure the IR transmitter of the remote control is not being shined by sunlight or fluorescent lamps directly.
- Please keep the remote controller away from fluorescent lamps for over 2 meters or the remote controller might become malfunction.
- If the remote control is closed to Inverter-Type fluorescent lamps, it might become ineffective from time to time.
- If the remote control and the projector are within a very short distance, the remote control might become ineffective.
- When you aim at the screen, the effective distance is less than 5 meters from the remote control to the screen and reflecting the IR beams back to the projector. However, the effective range might change according to screens.

SETUP AND INSTALLATION

Approx. ± 15°
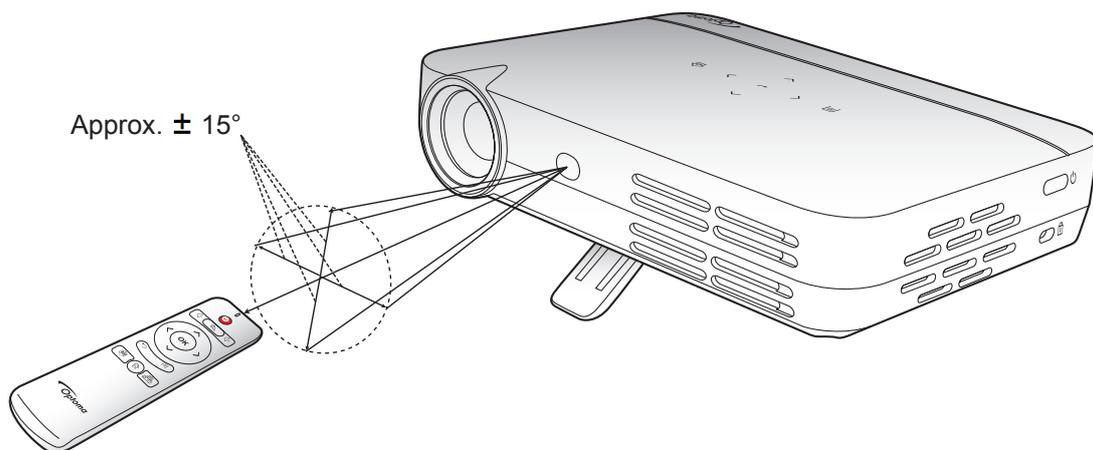
USING THE PROJECTOR

Powering on / off the projector
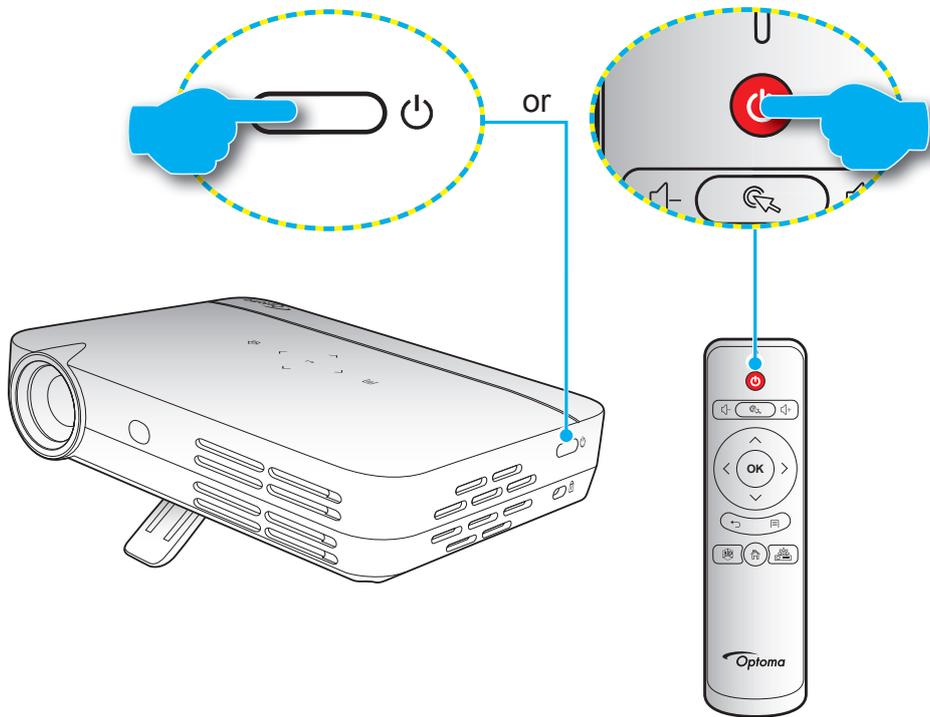
Powering on

1. Connect one end of the power lead to the AC adapter and the AC adapter to the DC IN connector on the projector.

2. Connect the other end of the power lead to the electrical outlet. When connected, the On/Standby LED will turn red.

3. Connect the signal/source cable.

4. Turn on the projector by pressing the "⏻" button either on the projector or the remote control.

5. A start up screen will display in approximately 5 seconds and the On/Standby LED will turn solid blue.

    Note: *During start up, the touch control panel LED will be flashing blue.*

Powering off

1. Turn off the projector by pressing the "⏻" button either on the projector or the remote control.

2. The following message will be displayed:

Power off?

PowerKey: OFF   No operation: Cancel
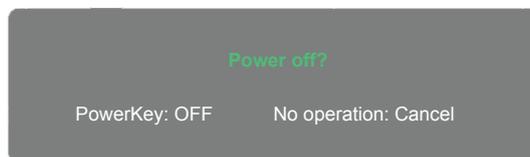
3. Press the "⏻" button again to confirm, otherwise the message will disappear after 5 seconds. When you press the "⏻" button for the second time, the projector will shut down.

4. The cooling fans will continue to operate for about 5 seconds for the cooling cycle. During the cooling cycle, the On/Standby LED is solid red. If you wish to turn the projector back on, you must wait until the cooling cycle has finished and then simply press the "⏻" button again to turn on the projector.

5. Disconnect the AC adapter from the projector and the power lead from the electrical outlet.

Selecting an input source

The projector enables you to connect various input sources using cable connections, wireless network, Bluetooth, or simply plugging in a SD card. For connecting sources to the projector, please refer to page *14*.

USING THE PROJECTOR

Home screen navigation

You can navigate the Home screen by using the projector touch control panel, remote control, USB/wireless keyboard or USB/wireless mouse.

Using the projector touch control panel

1.   Tap on the touch control panel to activate its keys.

   Note: *After the activation the touch control panel keys turn blue color. If the keys are not in use for about 20 seconds, the touch control panel becomes inactive again.*

2.   Tap the ⟨, ⟩, ∧, or ∨ keys to select a menu item.

3.   Tap the ↵ key to enter the selected menu item.

4.   Tap the ⟨, ⟩, ∧, or ∨ keys to select a submenu item, adjust the value, or select virtual keyboard keys when entering text.

5.   Tap the ↵ key to enter the selected menu item, switch on or off a function, or confirm the selection.

6.   Tap the ⌂ key once to return to the previous menu item or tap the ⌂ key repeatedly (if needed) to access the Home screen.

Using the remote control

1.   Press the ⟨, ⟩, ∧, or ∨ keys to select a menu item.

2.   Press the **OK** key to enter the selected menu item.

3.   Press the ⟨, ⟩, ∧, or ∨ keys to select a submenu item, adjust the value, or select virtual keyboard keys when entering text.

4.   Press the **OK** key to enter the selected menu item, switch on or off a function, or confirm the selection.

5.   Press the ↰ key to return to the previous menu item.

6.   Press the ⌂ key to access the Home screen.

Using the keyboard

1.   Press the ←, →, ↑, or ↓ keys to select a menu item.

2.   Press the **ENTER** key to enter the selected menu item.

3.   Press the ←, →, ↑, or ↓ keys to select a submenu item, adjust the value.

4.   Press the **ENTER** key to enter the selected menu item, switch on or off a function, or confirm the selection.

5.   Press the **ESC** key once to return to the previous menu item or press the **ESC** key repeatedly (if needed) to access the Home screen.

Using the mouse

1.   Left-click to select a menu item and enter its submenu.

2.   Left-click on the on-screen item control buttons to adjust the item's value.

3.   Right-click once to return to the previous menu item or to close the app. Right-click repeatedly (if needed) to access the Home screen.

4.   Move the cursor to the bottom of the Home screen to access the Quick menu as illustrated below.

Back   Recent apps   Volume up   Power on/off

Home   Setting   Volume down   Device setting   Hide Quick menu
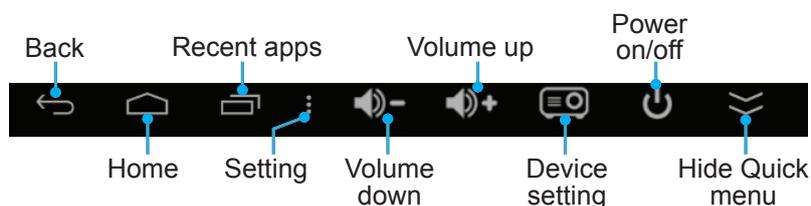
Note: *To access or close the opened apps, left-click on the Recent apps ▭ icon and then left-click on the app to access the app or drag the app up or down to remove it from the list. Left-click the **Clean** button to close all opened apps at once.*

USING THE PROJECTOR

Home screen overview

The Home screen is displayed every time you start the projector. From the Home screen, you can quickly change the input source, access your favorite apps, view date and time, configure various settings, and more.

Note: *All the instructions provided in this section assume that you are using the projector touch control panel when operating the device. For operating the projector using the remote control, keyboard, or mouse, please refer to the relevant instructions described on page 19.*
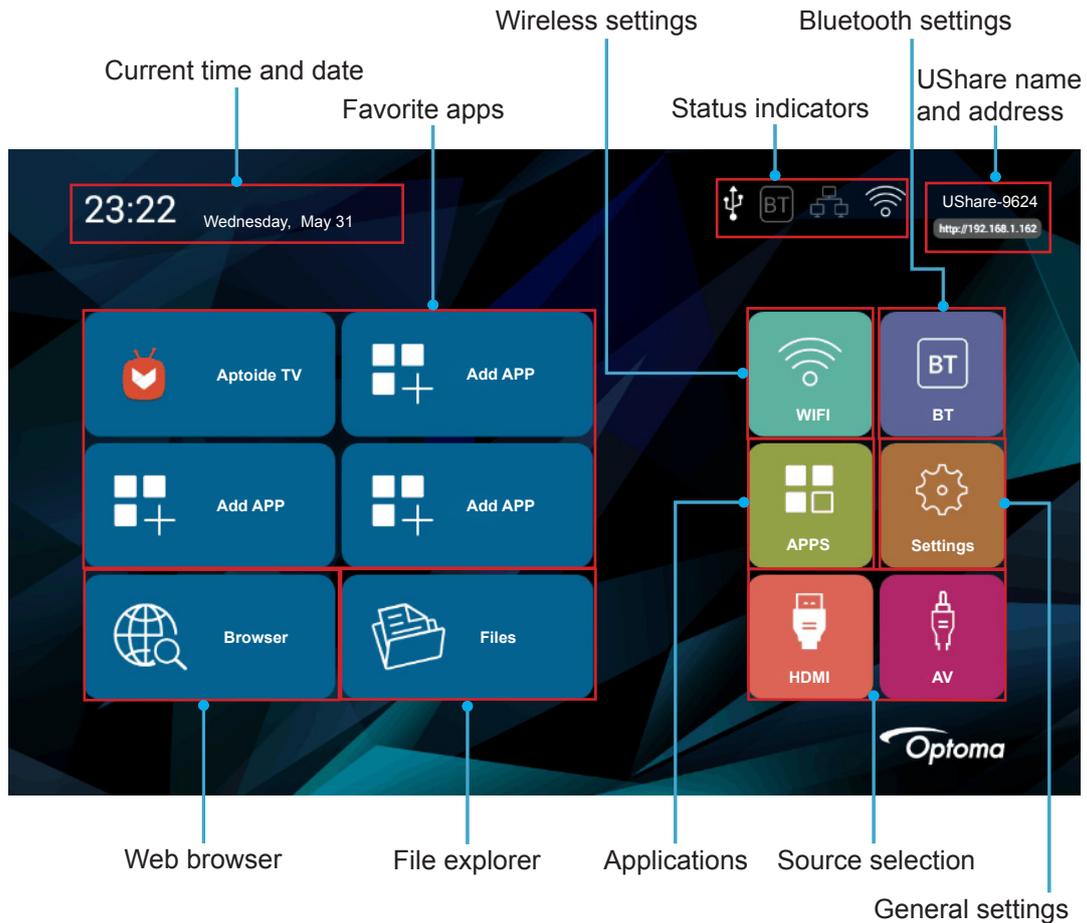
Current time and date

View the current time and date. Please refer to page *26* for any modifications in time and date settings.

Managing your favorite apps

In addition to the included apps, you can add up to four favorite apps directly on the Home screen for quick access.

To add favorite apps, do the following:

1. Tap the ⟨, ⟩, ∧, or ∨ key to select the "Add APP" tab on the Home screen and then tap the ↵ key. The Select APP menu opens with a list of all available apps.

2. Select your favorite app and tap the ↵ key to add the app on the Home screen.

3. Repeat steps 1 and 2 for adding up to four favorite apps.

4. To open your favorite app, simply select the app on the Home screen and tap the ↵ key.

USING THE PROJECTOR

Select APP	
People	Add
Calendar	Add
Calculator	Add
Camera	Add
Clock	Add
Browser	Add
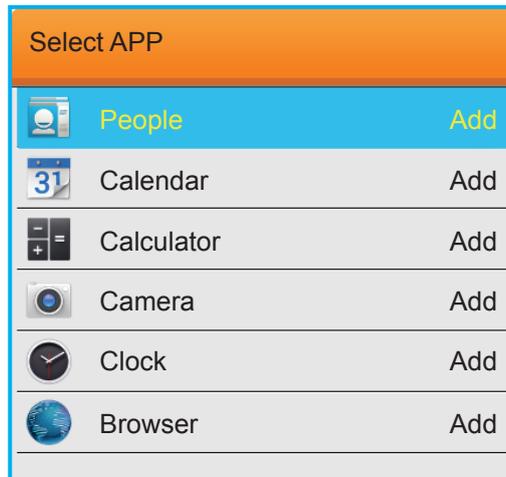
To remove or replace an app on the Home screen, do the following:

1. Tap the ⟨, ⟩, ⋀, or ⋁ key to select the app on the Home screen that you wish to remove or replace.

2. Tap the ▤ key.

    The Select APP menu opens where the app you wish to remove or replace is automatically selected and next to it is written "Delete".

    Note: *To open the Select APP menu using the:*

    • Remote control, press also the ▤ key

    • Keyboard, press the "Menu" key

    • Mouse, long left-click.

3. Do any of the following:

    – To remove the app: Tap the ↵ key.

    – To replace the app: Use the navigation buttons to select the app you wish to use to replace the current app with and then tap the ↵ key.

4. Repeat steps 1 to 3 to remove or replace any additional apps.

Connecting to the wireless network

To connect your projector to the wireless network, do the following:

1. Tap the ⟨, ⟩, ⋀, or ⋁ key to select the "WIFI" tab on the Home screen and then tap the ↵ key.
    Select Wi-Fi and tap the ↵ key to turn on wireless network.

2. In the list of available wireless networks, select the network you wish to connect to and tap the ↵ key.
    Note: *If you choose a secured wireless network, you are prompted to input a password.*

USING THE PROJECTOR
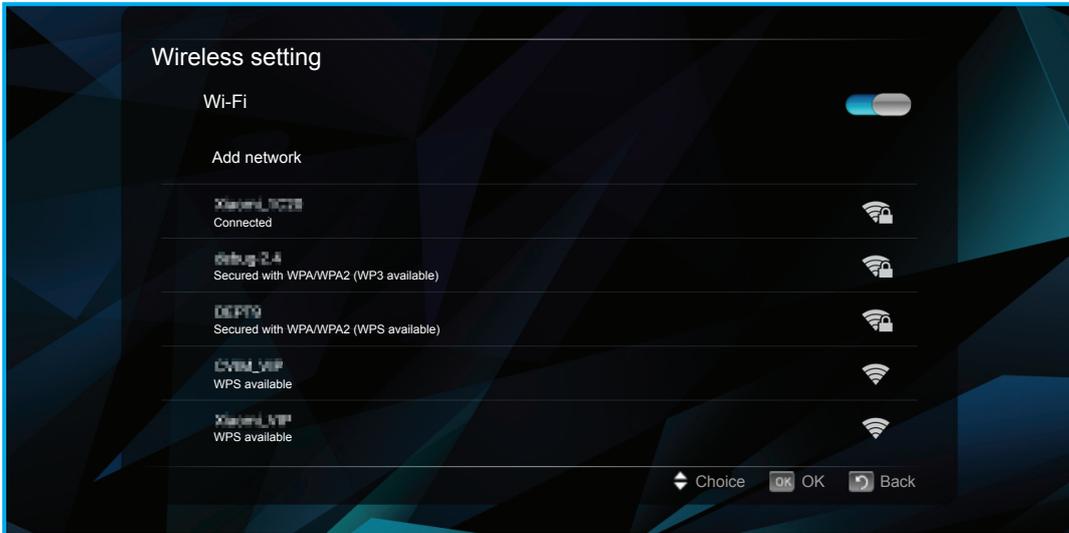
Connecting to the Bluetooth devices

Before you can send or receive data using Bluetooth, you need to establish a trusted connections between your projector and the other Bluetooth device. To connect to a Bluetooth device, do the following:

1. Tap the ⟨, ⟩, ∧, or ∨ key to select the "BT" tab on the Home screen and then tap the ↵ key.

2. Select Bluetooth and tap the ↵ key to turn on the function.

3. Select "Scan for devices" to find available Bluetooth devices.

4. If the Bluetooth device you want to connect to becomes visible under "Devices Available", select the device and tap the ↵ key to start pairing.

5. Confirm the pairing code and select "Pair".

    The trusted connection between your projector and the Bluetooth device is established. To unpair, select the Bluetooth device in the list of "Devices Available" and tap the ↵ key. Tap the ↵ key again to confirm unpairing.

Using the web browser

To use the web browser, do the following:

1. Tap the ⟨, ⟩, ∧, or ∨ key to select the "Browser" tab on the Home screen and then tap the ↵ key.

2. Do any of the following:

    –   Input the web address that you wish to visit to the URL bar.

    –   Tap the ▤ key to access the web browser menu and refresh or forward a web page, open a new tab, share the page, find on the page, view the page info, view a list of downloaded items, or access the web browser settings.

    Note: *When operating the projector using the remote control, keyboard, or mouse, press the ▤ key, the "Menu" key, or the ⋮ icon respectively to open the web browser menu.*

USING THE PROJECTOR

Accessing files

To search and playback your media files, use the file explorer under "Files" tab or KODI app. For adding apps, please refer to Managing your favorite apps section on page *20*.

Status indicators

The status indicators on the top edge of the screen are illuminated if the respective connection is established or function is activated. Please see the following table for more information on the indicators:

Indicator	Item	Status
⛌	USB	A USB device is connected to the projector, such as a USB mouse, a storage, or other device.
▭	Micro SD card	A MicroSD card is inserted to the projector.
BT	Bluetooth	Bluetooth function is enabled.
品	Ethernet	Ethernet connection is established.
📶	WIFI	WIFI connection is established.

Mirroring your portable device to the projector

You can wirelessly stream music, photos, and videos from your portable device to the projector using the UShare app or mirror the entire display of your portable device to the projector using the AirPlay Mirroring app.

 Note: *The UShare app and AirPlay app are included on your projector.*

To set up **UShare** mirroring, do the following:

1.   Connect the projector and your portable device to the same WIFI network. For WIFI connection, please refer to the page *24*.

2.   Go to "Home screen" > "APPS" and open the UShare app.

3.   On your portable device, open the web browser and enter the UShare address that is displayed on the right top edge of the projector's Home screen or on UShare home page (for example, http://192.168.1.57) or scan the QR code on the UShare home page to download the UShare app. To start downloading the app, simply tap on the installation file that matches with the operating system of your portable device. For example, download "UShare for iPhone" if you are using iPhone.

UShare home page   **Portable device**

QR code

UShare address

Projector Home screen
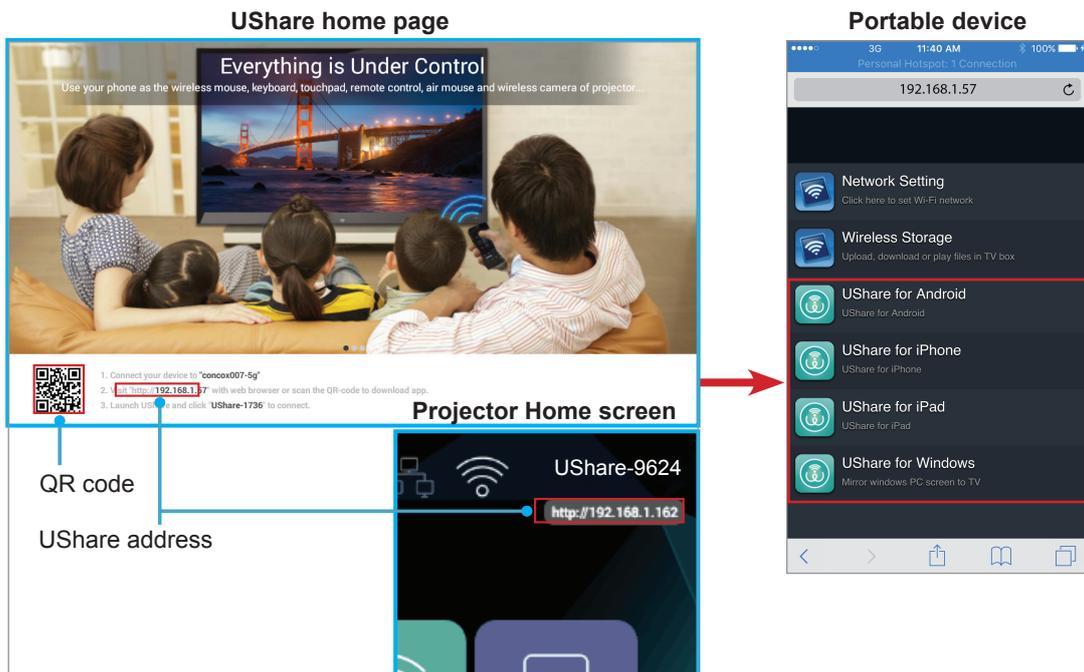
USING THE PROJECTOR

4. Open the UShare app on your portable device and tap "UShare-1249" to connect. Then follow the on-screen controls to start streaming media files from your portable device to the projector.

To set up **AirPlay** Mirroring, do the following:

Note: *The AirPlay Mirroring is only available for devices that use iOS.*

Portable device

1. Connect the projector and your portable device to the same WIFI network. For WIFI connection, please refer to page *24*.

2. On your portable device, swipe up from the bottom of the screen to open the Control Center.

3. Tap on "AirPlay Mirroring".

4. Tap on the device you wish to stream content to. For example, "UShare-1249".

   The display of your portable device will be projected on the screen.

5. To turn off AirPlay Mirroring, repeat step 2 and tap on the name of the streaming device, for example "UShare-1249". Then tap on "Turn Off AirPlay Mirroring".
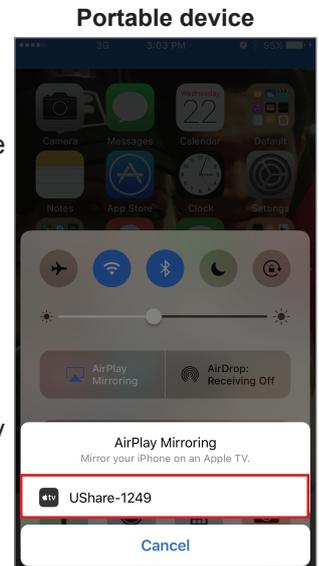
Accessing the included apps

To access the included apps, do the following:

1. Tap the ⟨, ⟩, ⋀, or ⋁ key to select the "APPS" tab on the Home screen and then tap the ↵ key.

   The included apps will be displayed on the screen.

2. Select an app you want to open and tap the ↵ key. The available apps are as follows:

   – AirPlay: AirPlay Server that enables you mirroring your iOS portable device's display to the projector using the AirPlay Mirroring app. For setting up the connection, please refer to page *24*.

   – Aptoide TV: Use for purchasing apps online.

   – Camera: Not supported with your projector.

   – Chrome: Use for surfing the Internet.

   – Kodi: Use as media player for browsing and viewing media files, and more.

   – UShare: Use for streaming media files wirelessly from your portable device to the projector. For setting up the connection, please refer to page *24*.

   – WPS Projector: Use for projecting documents.

   – Youtube: Use for projecting movies and more from Youtube.

Aptoide TV	Camera	UShare	WPS Office
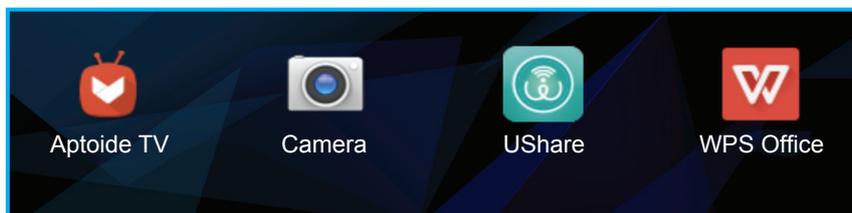
Modifying system settings

To review or modify the system settings, do the following:

1. Tap the ⟨, ⟩, ⋀, or ⋁ key to select the "Settings" tab on the Home screen and then tap the ↵ key.

2. Select any of the settings categories that you want to modify and tap the ↵ key. The available categories include:

   – WIFI: Connect to a wireless network or set up a wireless hotspot.

   – BT: Connect to other Bluetooth devices and configure Bluetooth settings.

USING THE PROJECTOR

– System: Manage applications, configure language settings, modify date and time, miracast settings, restore the factory default settings, and access the Factory menu.

– Device: A quick menu for configuring the basic settings of your projector, such as keystone, auto keystone, projection mode, auto rotation, aspect ratio, digital zoom, horizontal and vertical scale, and power mode.

– Ethernet Connection: Configure settings for wired connection.

– Personalize: Set a wallpaper, boot animation, configure boot setup, input source setup, and automatic shutdown at no signal.

– Software Update: Update your projector software.

– About: Review projector related information, such as model name, system version, and more.
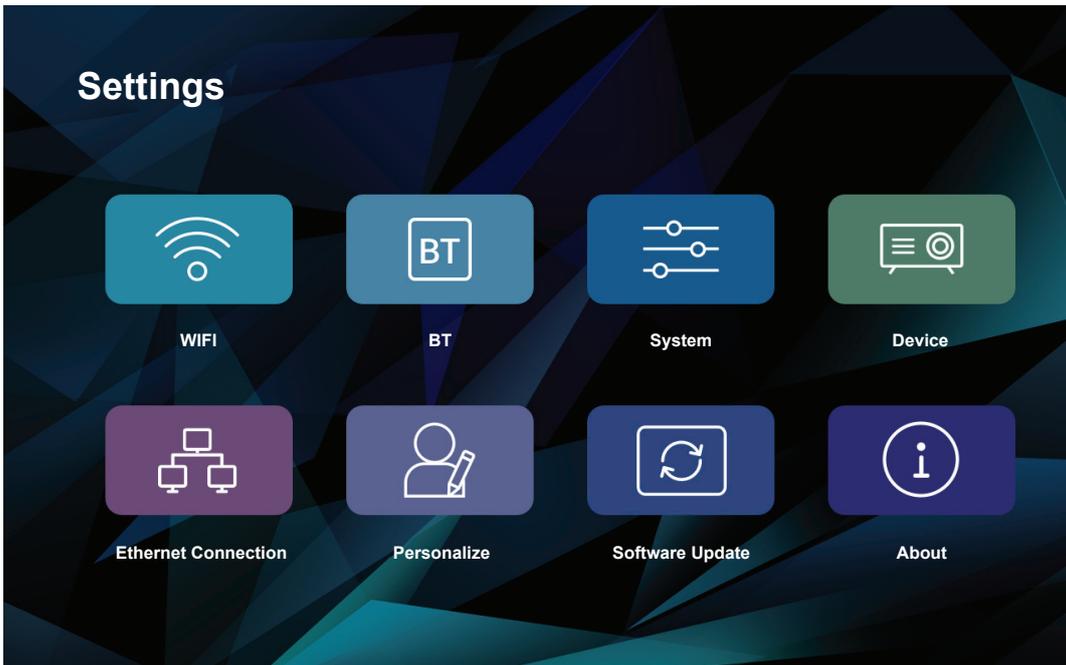
WIFI

• **Wi-Fi settings**: Configure wireless network settings.

– Wi-Fi: Turn the wireless function on or off.

– Add network: Select the wireless network you wish to connect to. For connection instructions, please refer to page *24.*

• **Wi-Fi hotspot**: Set up a wireless hotspot for sharing wireless network to other devices.

Note: *Prior using the Wi-Fi hotspot function, you need to connect a wireless dongle (not supplied) to the projector.*

– WiFi hotspot: Tap the ↵ key to turn on or off the wireless hotspot function.

– Config wifi hotspot: Select "Settings" and tap the ↵ key to open wireless hotspot settings fields. Set the SSID (Service Set Identifier), security, access password, and decide whether to show the password or not. After done, select "save" and tap the ↵ key to save the settings.

BT

• **Bluetooth**: Turn the Bluetooth function on or off.

• **DeviceName**: Modify the projector name.

• **Discoverable Timeout**: Set the period within the projector will be visible for other Bluetooth devices.

• **Scan for devices**: Scan for near-by Bluetooth devices.

USING THE PROJECTOR

- **Bluetooth devices**: Displays the visibility information of your projector to other Bluetooth devices, a list of paired devices and a list of available Bluetooth devices. For connecting your projector to other Bluetooth devices, please refer to page *22*.

System

- **Application manage**: Tap the ↵ key to open the application management page.
    – Application setting: Enable or disable installing the AppStore applications and set where the app is going to be installed.The available options include "Default", "EXTERNAL", and "INTERNAL" storage.

    – All Application: Review and access the apps installed on the projector, select the app first and then tap the ↵ key to access the app configuration page where you review the app information, force stop, uninstall, or clear data for the app.

    – Sdcard Application: Review the applications installed on the micro SD card.

    – Internal storage space: Review the used and total internal storage space.

- **Language input setting**: Tap the ↵ key to open the language and input settings.
    – Language setting: Select your preferred display language. The available options include "English", "Chinese (Traditional)", "German", and "Spanish".

    – Change the default input method: Select your preferred input method. The available options include "Android Keyboard (AOSP)", "Google Pinyin", and "IQQI - International".

    – Android Keyboard (AOSP) Settings: Configure Android keyboard settings, such as input language, auto-capitalization, sound on keypress, and many more.

    – Google PinyinSettings: Configure Google pinyin settings, such as key sound, key vibration, associative input, and set a shortkey for switching between Chinese and English.

    – IQQI - InternationalSettings: Configure IQQI international settings, such as keyboard height on the screen, keyboard font size, candidates font size, keypress popup option, and many more.

- **Date time setting**: Tap the ↵ key to review and modify date and time settings.
    – Through the network to be automatic gain time date: Turn the automatic time function on or off.

    – Date: Set the current date manually.

    – Time: Set the current time manually.

    – Time zone: Set the time zone in your location.

    – Using 24 hour format: Turn this on to use a 24-hour format for time displays.

    – Choose the date format: Set your preferred date format.

- **miracast**: Tap the ↵ key to search and review peer devices and more.

- **Recovery**: Tap the ↵ key to restore the factory default settings for your projector. Select "OK" and tap the ↵ key to clear your Google account information, system and application data and settings, and more.

- **Factory menu**: Tap the ↵ key to access the Factory menu. You are prompted to input a password.
    Note: *The Factory menu is for system developers.*

USING THE PROJECTOR
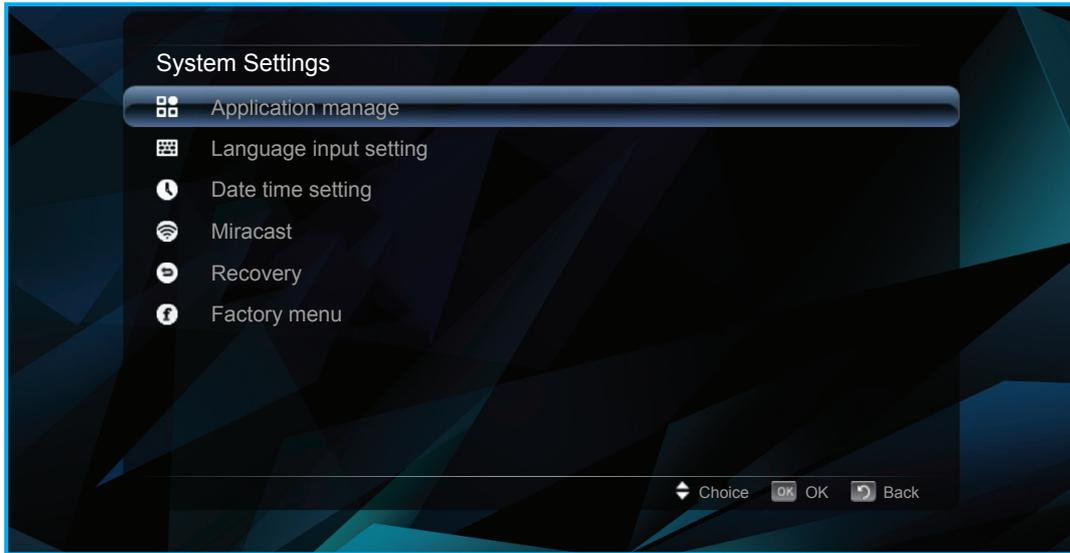
Device

Note: *For accessing more projector settings, please refer to pages 37-44.*

- **Keystone**: Adjust the image distortion caused by tilting the projector.

- **AUTO Keystone**: Turn the automatic keystone adjustment on or off.

- **Projection Mode**: Select the preferred projection. The available options include "Front", "Ceiling Front", "Rear", and "Ceiling Rear".

- **AUTO Rotate**: Turn the automatic projection rotation on or off.

- **Aspect Ratio**: Select the aspect ratio of the displayed image. The available options include "16:10", "4:3", and "16:9".

- **Digital zoom**: Adjust the displayed image size.

- **Horizontal Scale**: Adjust the displayed image size horizontally.

- **Vertical Scale**: Adjust the displayed image size vertically.

- **Power Mode**: Set the power mode. The available options include "Standard", "Warm", "Cool", and "Eco".
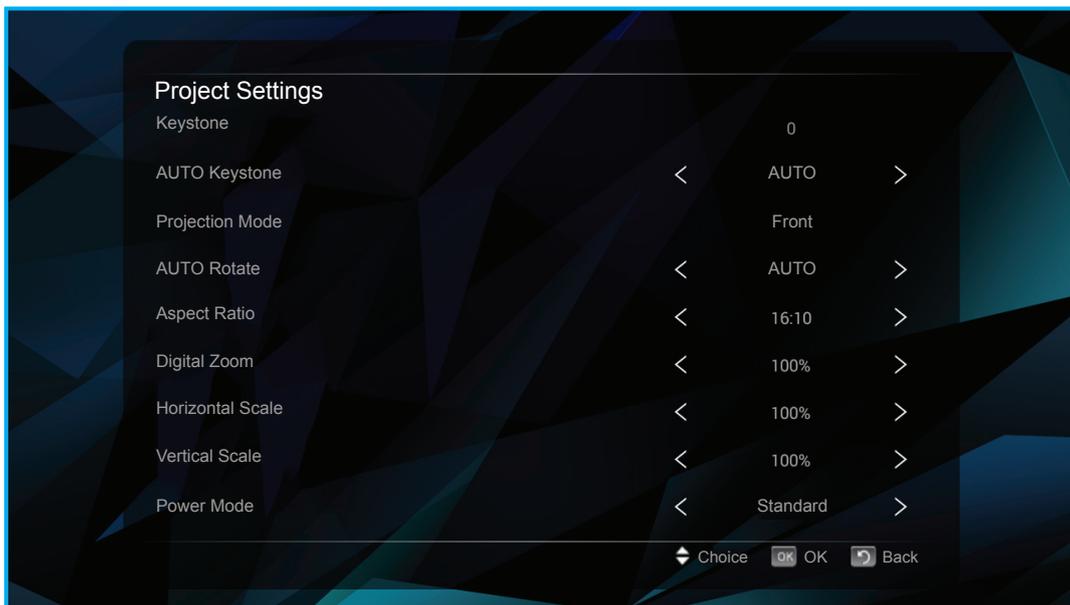
USING THE PROJECTOR

<u>Ethernet Connection</u>

- **Enable/Disable Wired Ethernet**: Turn the wired Ethernet connection setting on or off.

- **The automatic acquisition IP address** (DHCP): Turn obtaining the network parameters automatically option on or off.

  Note: *If the "The automatic acquisition IP address" option is turned on, the "IP address", "Subnet mask", "Default gateway", "First DNS", and "Second DNS" options are inactive.*

- **IP address**: Input the IP address.

- **Subnet mask**: Input the subnet mask.

- **Default gateway**: Input the default gateway.

- **First DNS**: Input the primary DNS.

- **Second DNS**: Input the secondary DNS.

Note: *After the modifications are done, select "save" and tap the ↵ key to save the changes or select "Cancel" and tap the ↵ key to discard the changes.*
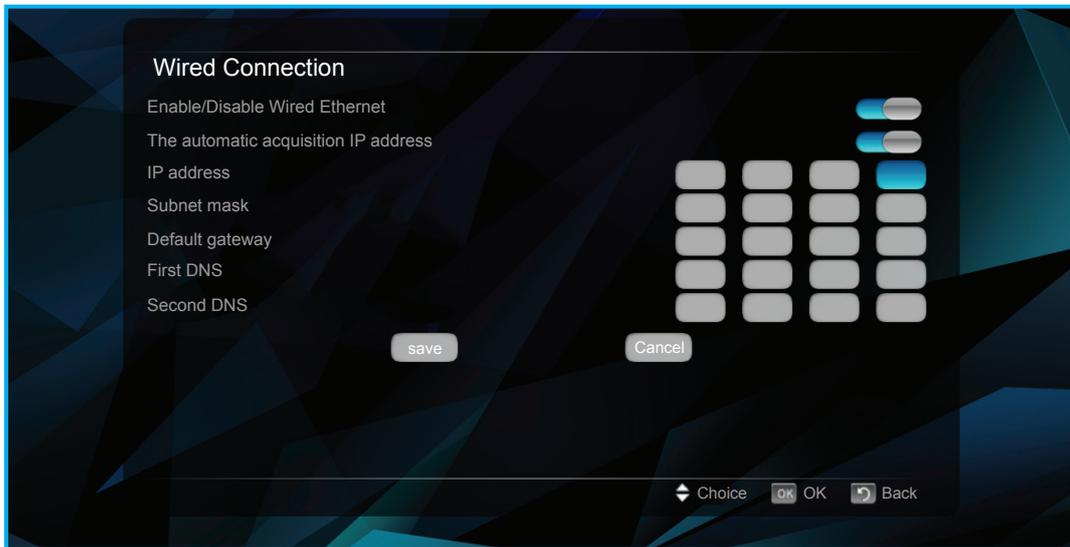
- **Personalize**: Tap the ↵ key to change the wallpaper, set the boot animation, and many more.

  – Wallpaper Settings: Select a wallpaper for the background from the Live Wallpapers gallery or the Wallpaper gallery.

  – Bootanimation Settings: Configure custom boot animation settings, such as enable or disable loading custom boot animation, select a custom boot animation or create a custom boot animation, reboot and view custom boot animation, and many more.

  – Boot Setup: Set how the projector is powered on. The available options include "Button Power On" (requires pressing the Power button to start the projector) and "Auto Power On" (the projector is powered on automatically after the power is supplied to the projector).

  – Input Source Setup: Select the default input source. The available options include "HDMI" and "AV". If you select "AUTO" option then the projector detects the input source automatically.

  – NO Signal Auto Shutdown: Enable or disable shutting down the projector if the input signal is not detected.

USING THE PROJECTOR
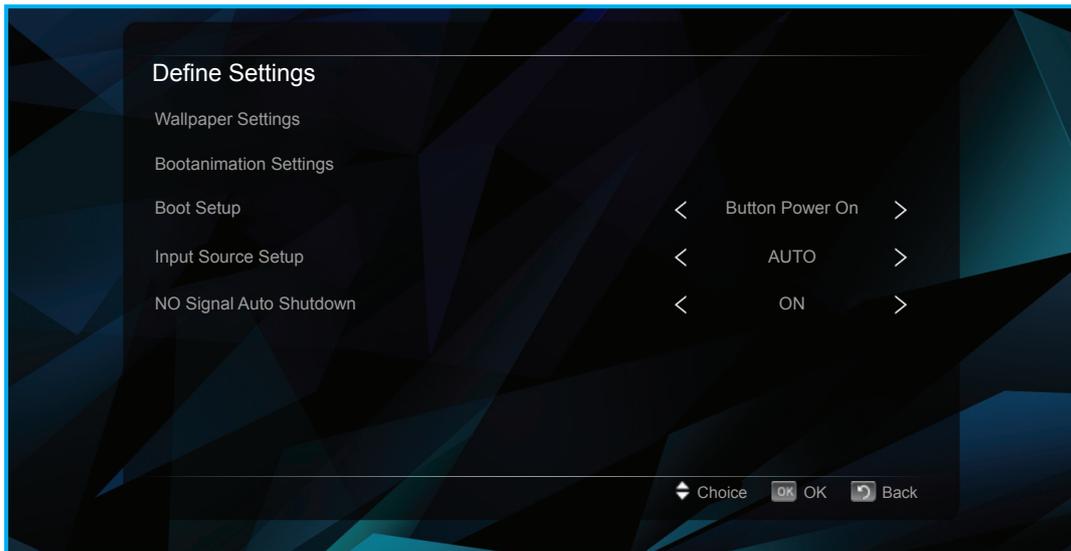
- **Software Update**: Tap the ↵ key to update your projector's software. The available options include updating over the Internet ("Net update, also known as OTA – Over The Air") and updating from an internal or external storage ("Local update").
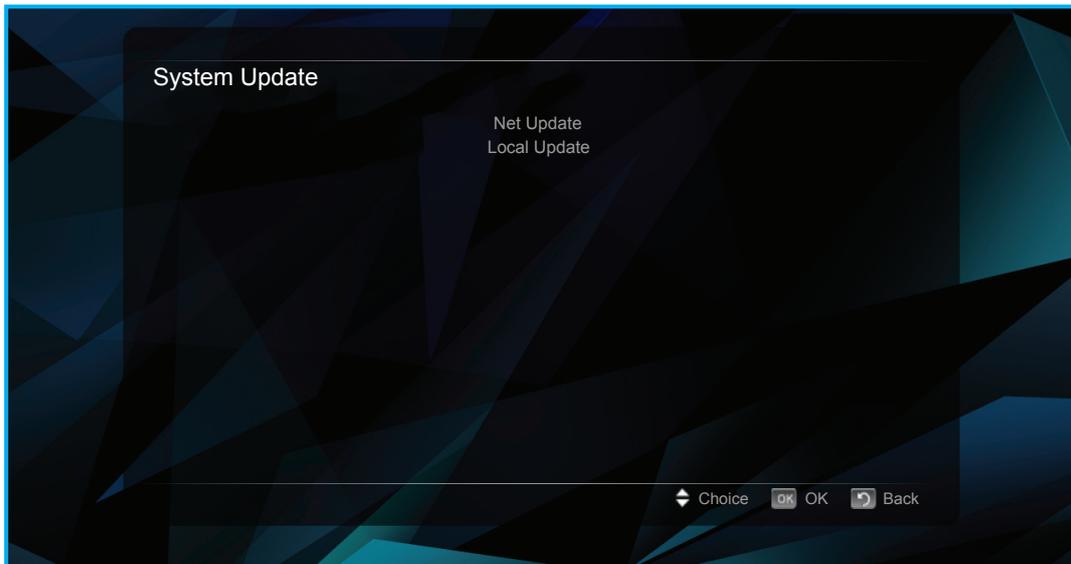
USING THE PROJECTOR

- **About**: Tap the ↵ key to review the projector related general information, such as the model name, system version, wireless MAC address, and many more.
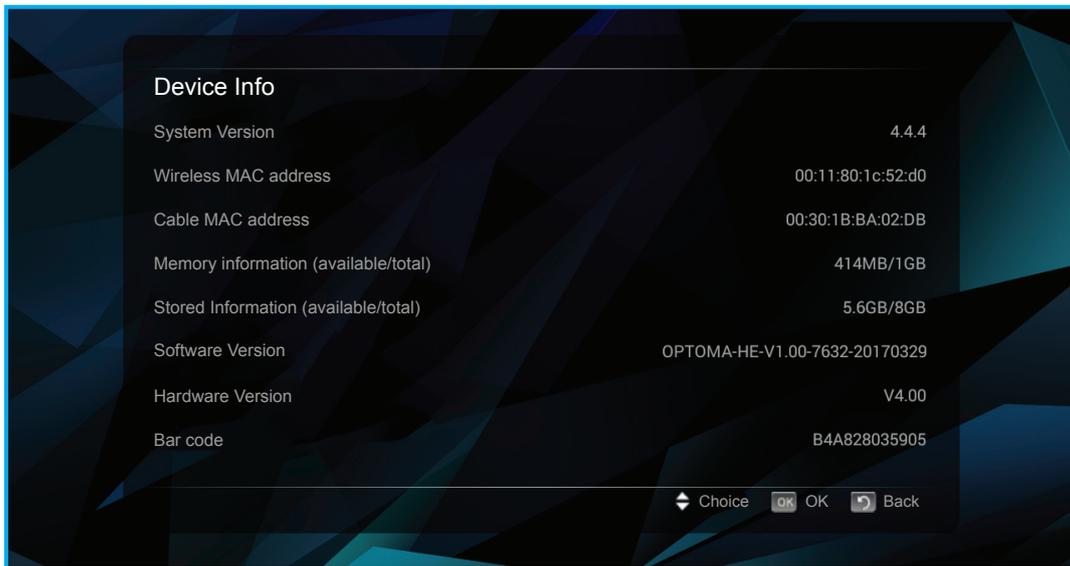
Adjusting the projector volume

To control the projector volume, do any of the following:

- Press the ⊲+ or ⊲– key on the remote control to call out the Volume adjustment menu and adjust the volume up or down respectively.

- Use the Quick menu volume control buttons to call out the Volume adjustment menu and adjust the volume up or down. Please refer to "Using the mouse" on page 19.

Volume adjustment menu

USING THE PROJECTOR

Menu Tree

For a detailed overview of the Settings menu options, please see the menu tree below.

Level 1	Level 2	Level 3	Level 4	Level 5	Value
WIFI	Wi-Fi settings	Wi-Fi			On
					Off
	Wi-Fi hotspot	Wi-Fi hotspot			On
					Off
		Config wifi hotspot			Settings
			SSID		
			Security		WPA2 PSK
					Open
					WPA PSK
			Password*1		
			Show password*1		On
					Off
BT	Bluetooth				On
					Off
	DeviceName				
	Discoverable Timeout				twominute
					fiveminute
					onehour
					never
	Scan for devices				
System	Application manage	Application setting	Allowed to install the AppStore applications		On
					Off
			The preferred installing position		Default
					EXTERNAL
					INTERNAL
		All Application	(App's name)		Force stop
					Uninstall
					Clear data
		Sdcard Application	(App's name)		Force stop
					Uninstall
					Clear data
		Internal storage space			used (read only)
					total (read only)

USING THE PROJECTOR

Level 1	Level 2	Level 3	Level 4	Level 5	Value
System	Language input setting	Language setting			English
					Chinese (Traditional)
					German
					Spanish
		Change the default input method			Android Keyboard (AOSP)
					Google Pinyin
					IQQI - International
		Android Keyboard (AOSP) Settings		Auto-capitalization	
				Sound on keypress	
				Personal dictionary	
				Add-on dictionaries	English
					Deutsch
					Español
					Français
					Italiano
					Português (Brasil)
					Русский
				Block offensive words	
				Auto-correction	Off
					Modest
					Aggressive
					Very aggressive
				Show correction suggestions	Always show
					Show in portrait mode
					Always hide
				Next-word suggestions	
	Language input setting	Android Keyboard (AOSP) Settings		Advanced settings	Suggest Contact names
					Double-space period
					Language switch key
					Switch to other input methods
					Show slide indicator
					Color scheme
					Custom input styles
					Key long press delay
					Keypress sound volume

USING THE PROJECTOR

Level 1	Level 2	Level 3	Level 4	Level 5	Value
System	Language input setting	Google PinyinSettings		Key sound	
				Key vibration	
				Associative input	
				Switch in Chinese and English	"Shift-space" key
		IQQI - International-Settings		Keyboard Height	Portrait Screen: 35%~70%
					Landscape Screen: 30%~70%
					Default Value
				Keyboard Font Size	Huge
					Medium
					Smallest
				Candidates Font Size	Huge
					Large
					Medium
					Small
					Smallest
				Keypress Popup	
				Languages	عـربي
					繁體中文
					简体中文
					Čeština
					Dansk
					Nederlands
					English
					Suomi
					Français
					Deutsch
					ελληνικά
					Magyar
					Bahasa Indonesia
					Italiano

USING THE PROJECTOR

Level 1	Level 2	Level 3	Level 4	Level 5	Value
System	Language input setting	IQQI - International-Settings		Languages	日本語
					한국어
					Norsk
					Polski
					Português
					Русский
					Español
					Svenska
					ไทย
					Türkçe
				Open Source Licenses	
				Copyright	(pop-up menu)
	Date time setting	Through the network to be automatic gain time date			On
					Off
		Date*2	year		(manual input)
			month		(manual input)
			day		(manual input)
		Time*2	hour		(manual input)
			minute		(manual input)
		Time zone*2			(list of time zones)
		Using 24 hour format			On
					Off
		Choose the date format	month-day-year		
			day-month-year		
			year-month-day		
	miracast	SEARCH FOR DEVICES			
		RENAME DEVICE			
		PEER DEVICES			
		REMEMBERED GROUPS			
	Recovery				OK
	Factory menu				(input a password)
Device	Keystone				-40~40
	AUTO Keystone				Auto
					Off
	Projection Mode				Front
					Ceiling Front
					Rear
					Ceiling Rear
	AUTO Rotate				Auto
					Off

USING THE PROJECTOR

Level 1	Level 2	Level 3	Level 4	Level 5	Value
Device	Aspect Ratio				16:10
					4:3
					16:9
	Digital zoom				50%~100%
	Horizontal Scale				50%~100%
	Vertical Scale				50%~100%
	Power Mode				Standard
					Warm
					Cool
					Eco
Ethernet Connection	Enable/Disable Wired Ethernet				On
					Off
	The automatic acquisition IP address				On
					Off
	IP address				
	Subnet mask				
	Default gateway				
	First DNS				
	Second DNS				
Personalize	Wallpaper Settings	Live Wallpapers			Black Hole
					Bubbles
					Holo Spiral
					Magic Smoke
					Nexus
					Phase Beam
					Spectrum
					Water
		Wallpaper			(gallery view)
	Bootanimation Settings	Loading custom boot animation			On
					Off
		Select custom boot animation			
		Create custom boot animation	Resolution(W/H)		
			Frame frequency(fps)		
			Select boot animation file		
			Click to generate boot animation		
		Reboot and view custom boot animation			
		Help document			
	Boot Setup				Button Power On
					Auto Power On

USING THE PROJECTOR

Level 1	Level 2	Level 3	Level 4	Level 5	Value
Personalize	Input Source Setup				Auto
					HDMI
					AV
	NO Signal Auto Shutdown				On
					Off
Software Update	Net update				
	Local update				
About	Regulatory Model				LDMLSSZ
	System Version				4.4.4
	Wireless MAC address				by Model
	Cable MAC address				by Model
	Memory Information (or/total)				by Model
	Software Version				by Model
	Hardware Version				by Model

Note:

- *¹Options are available only if "Security" in "WIFI" > "Wi-Fi hotspot" > "Config wifi hotspot" menu is set to "WPA2 PSK" or "WPA PSK".

- *²Options are available only if "Through the network to be automatic gain time date" parameter in "System" > "Date time setting" menu is "Off".

Select the input source manually

You can configure the projector to detect the input source automatically (please refer to page *28*) or set the input source manually. To set the input source manually, do the following:

1. Tap the ⟨, ⟩, ⋀, or ⋁ key to select either the "HDMI" tab or the "AV" tab.

2. After selecting the tab, tap the ↵ key to set the input source.

   Note: *If the input source cannot be found, you are prompted to return to Android menu (Home screen). Select the "OK" option and tap the* ↵ *key to confirm.*

USING THE PROJECTOR

Projector OSD menu

The projector has multilingual on-screen display menus that allow you to make image adjustments and change a variety of settings.

Menu navigation using the projector touch control panel

Note: *The projector OSD menu can be opened only by pressing the ⚙ key on the remote control. Once opened, you can use the projector touch control panel keys to navigate the OSD menu and adjust the parameters.*

1. To open the OSD menu, press the ⚙ key on the remote control.

2. Tap on the projector touch control panel to activate the keys.

   Note: *After the activation, the touch control panel keys turn blue color. If the keys are not in use for about 20 seconds, the touch control panel becomes inactive again.*

3. When the OSD is displayed, tap the ⟨, ⟩, ∧, or ∨ keys to select any item in the main menu. While making a selection on a particular item, tap the ↵ key to enter its submenu.

4. Tap the ⟨ or ⟩ key to select the desired item in the submenu and then tap the ∨ key to select the subitem. For adjusting the settings or setting the value, tap the ⟨ or ⟩ key. The modifications are saved automatically.

5. Select the next subitem to be adjusted in the submenu and adjust as described above.

6. Tap the ⌂ key once to return to the main menu or tap the ⌂ key twice to access the Home screen.

Menu navigation using the remote control

1. To open the OSD menu, press the ⚙ key on the remote control.

2. When the OSD is displayed, press the ⟨, ⟩, ∧, or ∨ keys to select any item in the main menu. While making a selection on a particular item, press the **OK** key to enter its submenu.

3. Press the ⟨ or ⟩ key to select the desired item in the submenu and then press the ∨ key to select the subitem. For adjusting the settings or setting the value, press the ⟨ or ⟩ key. The modifications are saved automatically.

4. Select the next subitem to be adjusted in the submenu and adjust as described above.

5. Press the ↰ key once to return to the main menu or press the ↰ key twice to access the Home screen.

Menu navigation using the keyboard

Note: *The projector OSD menu can be opened only by pressing the ⚙ key on the remote control. Once opened, you can use the keyboard keys to navigate the OSD menu and adjust the parameters.*

1. To open the OSD menu, press the ⚙ key on the remote control.

2. When the OSD is displayed, press the ←, →, ↑, or ↓ keys to select any item in the main menu. While making a selection on a particular item, press the **ENTER** key to enter its submenu.

3. Press the ← or → key to select the desired item in the submenu and then press the **ENTER** key to select the subitem. For adjusting the settings or setting the value, press the ← or → key. The modifications are saved automatically.

4. Select the next subitem to be adjusted in the submenu and adjust as described above.

5. Press the **ESC** key once to return to the main menu or press the **ESC** key twice to access the Home screen.

USING THE PROJECTOR

Menu navigation using the mouse

Note: *The projector OSD menu can be opened only by pressing the ⚃ key on the remote control. Once opened, you can use the mouse keys to navigate the OSD menu and adjust the parameters.*

1. To open the OSD menu, press the ⚃ key on the remote control.

2. When the OSD is displayed, left-click on any item to open its submenu.

3. Left-click on the desired item in the submenu to open its configuration parameters. For adjusting the settings or setting the value, left-click on the onscreen control buttons next to the parameter you wish to alter. The modifications are saved automatically.

4. Select the next subitem to be adjusted in the submenu and adjust as described above.

5. Right-click once to return to the main menu or right-click twice to access the Home screen.
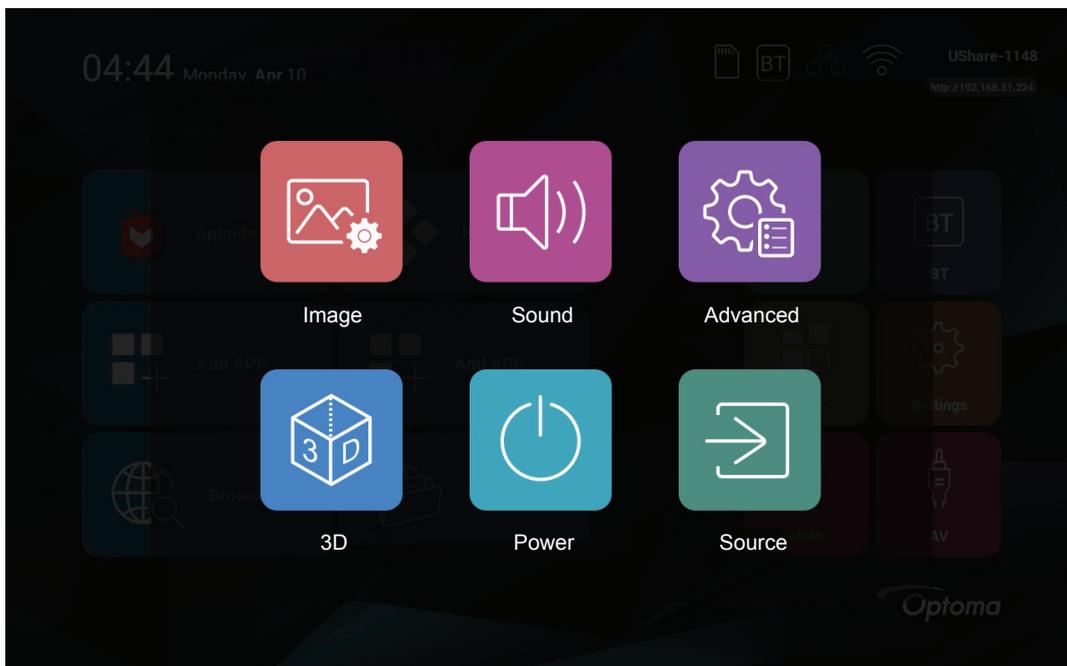
OSD Menu tree

Level 1	Level 2	Level 3	Value
Image	Picture Quality	Picture Mode	Vivid
			Natural
			Sports
			Lightness
			Standard
			Soft
			User
		Contrast*1	0~100
		Brightness*1	0~100
		Saturation*1	0~100
		Sharpness*1	0~100
		Hue*1	0~100
	Color Temperature	Color Temp Mode	Standard
			Warm
			User
			Cold
		Red*2	0~256
		Green*2	0~256
		Blue*2	0~256
	Aspect Ratio	Aspect Ratio	16:10
			4:3
			16:9
		Digital zoom	50%~100%
		Horizontal Scale	50%~100%
		Vertical Scale	50%~100%
Sound	Control	Sound Mode	Music
			Movie
			Sports
			User
			Standard
Sound	Control	Treble*3	0~100
		Bass*3	0~100
		Sound Balance	0~100
		Surround	Off
			On
		Coaxial Out	PCM
			Off
			RAW
	EQ	120Hz	0~100
		500Hz	0~100
		1.5KHz	0~100
		5KHz	0~100
		10KHz	0~100

USING THE PROJECTOR

Level 1	Level 2	Level 3	Value
Advanced	Display	Projection Mode*5	Front
			Ceiling Front
			Rear
			Ceiling Rear
		Keystone*4	-40~40
		AUTO Keystone	Auto
			Off
		AUTO Rotate	Auto
			Off
	Restore Defaults	Whether to restore the default value	No
			Yes
3D	3D Setting	Adaptive detecting	Off
			Source Change
		LR View Swap	Off
			On
	3D Format		2D Mode
			3D-LR
			3D-UD
			3D-2D-LR
			3D-2D-UD
Power	Power Mode		Standard
			Warm
			Cool
			Eco
			Music
	Timer		Off
			30Min
			60Min
			90Min
			120Min
			240Min
Source			Home
			AV
			HDMI

Note:

- *1 The "Contrast", "Brightness", "Saturation", "Sharpness", and "Hue" parameters in Image > Picture Quality menu can be adjusted only if the Picture Mode is set to "User". In other picture modes these parameters are preset and cannot be adjusted.

- *2 The "Red", "Green", and "Blue" parameters in Image > Color Temperature menu can be adjusted only if the Color Temp Mode is set to "User". In other color temperature modes these parameters are preset and cannot be adjusted.

- *3 The "Treble" and "Bass" parameters in Sound > Control menu can be adjusted only if the Sound Mode is set to "User". In other sound modes these parameters are preset and cannot be adjusted.

- *4 The "Keystone" parameter in Advanced > Display menu can be modified only if the "AUTO Keystone" parameter is set to "Off".

- *5 The "Projection Mode" parameters in Advanced > Display menu can be set only if the "AUTO Rotate" function is set to "Off".

USING THE PROJECTOR

Image menu

Image picture quality menu

Picture Mode

Set a preset picture mode for your images or customize the picture mode manually .

- • **Vivid**: Mode optimized for producing strikingly bright colorful images.
- • **Natural**: Mode for projecting images in realistic and true colors.
- • **Sports**: Mode optimized for watching sports playback or playing sports games.
- • **Lightness**: Mode for emphasizing brightness.
- • **Standard**: Mode for optimizing balance between the brightness and the color reproduction.
- • **Soft**: Mode where sharpness is decreased making the image look more soft on the screen.
- • **User**: Mode that allows you to adjust image contrast, brightness, saturation, sharpness, and hue levels manually.

Contrast

Control the degree of difference between the lightest and darkest parts of the picture.

Brightness

Adjust the brightness of the image.

Saturation

Adjust the saturation of the image.

Sharpness

Adjust the sharpness of the image.

Hue

Adjust the color balance of red and green.

Image color temperature menu

Color Temp Mode

Set color temperature mode. The available options include "Cold", "Standard", "Warm", and "User" (manually adjust the red, green, and blue color intensity).

Red

Adjust the red color intensity of the image.

Green

Adjust the green color intensity of the image.

Blue

Adjust the blue color intensity of the image.

Image aspect ratio menu

Aspect ratio

Select the aspect ratio of the displayed image.

- • **16:10**: This format is for 16:10 input sources, such as widescreen laptops.
- • **4:3**: This format is for 4:3 input sources.
- • **16:9**: This format is for 16:9 input sources, such as HDTV and DVD enhanced for Wide screen TV.

USING THE PROJECTOR

1080P scaling table:

16 : 9 screen	480i/p	576i/p	720p	1080i/p	PC
4x3	Scale to 1067x800.				
16x9	Scale to 1280x720.				
Native mode	- 1:1 mapping centered. - No scaling will be made; the resolution is adjusted depending on the input source.				
Auto	-If the source is 4:3 then the image is resized to 1067x800. -If the source is 16:10 then the image is resized to 1280x800.				

Digital Zoom

Adjust the displayed image size.

Horizontal Scale

Adjust the displayed image size horizontally.

Vertical Scale

Adjust the displayed image size vertically.

Sound menu

Sound control menu

Sound Mode

Set a preset sound mode for your playback or customize the sound mode manually .

- • **Standard**: Mode optimized for regular music playback.
- • **Music**: Mode optimized for listening to the music.
- • **Movie**: Mode optimized for watching a movie playback.
- • **Sports**: Mode optimized for watching sports programs or playing sports games.
- • **User**: Mode that allows you to customize the treble and bass levels manually.

Treble

Adjust the treble level.

Bass

Adjust the bass level.

Sound Balance

Adjust the speakers level manually to achieve the proper sound balance for your room.

Surround

Enable or disable surround sound feature.

Coaxial Out

Set the audio output format for the coaxial output. The available options include "RAW" and "PCM". Set to "Off" to turn off the coaxial out function.

Sound EQ menu

120Hz/500Hz/1.5KHz/5KHz/10KHz

Use this menu to equalize the sound.

USING THE PROJECTOR

Advanced menu

Advanced display menu

Projection Mode
Select the preferred projection between "Front", "Ceiling Front", "Rear", and "Ceiling Rear".

Keystone
Adjust the image distortion caused by tilting the projector manually.

AUTO Keystone
Adjust the image distortion caused by tilting the projector automatically.

AUTO Rotate
Enable to detect the projection mode automatically.

Advanced restore defaults menu

Select "Yes" to restore the OSD menu settings to the factory defaults.

3D menu

3D setting menu

Adaptive detecting
- **Source Change**: Allow detecting the 3D signal automatically if the input source changes.
- **Off**: Disable the adaptive detecting feature.

LR View Swap
Enable to allow swapping the left and right side view.

3D format menu

Select your preferred 3D format. The available options include:

- **2D Mode**: Display the 2D content in full screen.
- **3D-LR**: Display the 3D content in a split screen (left side and right side).
- **3D-UD**: Display the 3D content in a split screen (top side and bottom side).
- **3D-2D-LR**: Display the 3D content on the left side of the split screen and the 2D content on the right side of the split screen.
- **3D-2D-UD**: Display the 3D content on the top side of the split screen and the 2D content on the bottom side of the split screen.
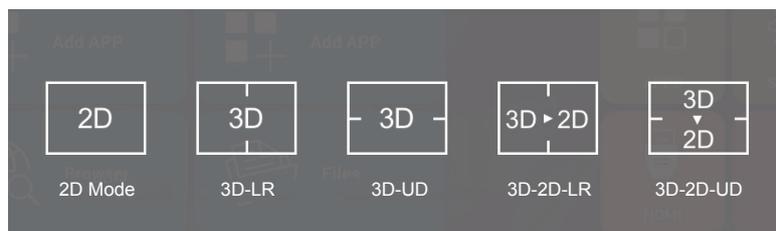
USING THE PROJECTOR

Power menu

Power mode menu

Select your preferred projector power mode. The available options include "Standard", "Warm", "Cool", "Eco", and "Music".
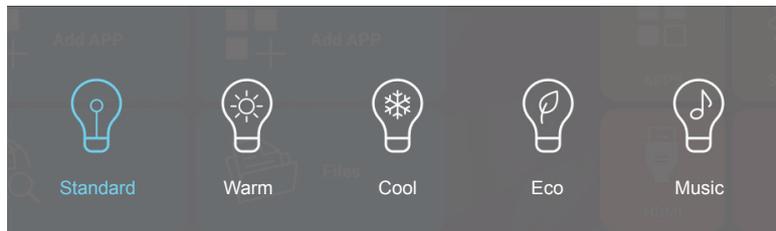
Power timer menu

Set the countdown timer interval. The countdown timer will start, with or without a signal being sent to the projector. The projector will automatically power off when the countdown has finished (in minutes). The available options include "30Min", "60Min", "90Min", "120Min", and "240Min".
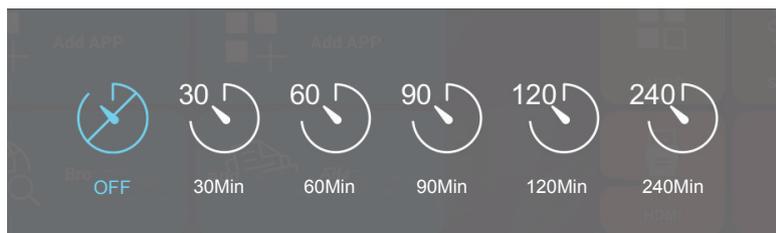
Source menu

Sources menu

Set the default projector source signal.

- **Home**: Return to Home screen.
- **AV**: The default source signal is AV.
- **HDMI**: The default source signal is HDMI.
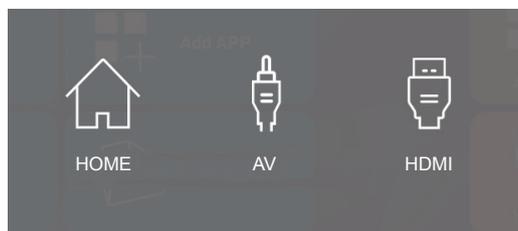
ADDITIONAL INFORMATION

Compatible resolutions

Digital compatibility

B0/Established Timing	B0/Standard Timing	B0/Detail Timing	B1/Video Mode	B1/Detail Timing
640x480 @ 60Hz	XGA / WXGA:	Native timing:	640x480p @ 60Hz	1280x720p @ 60Hz
640x480 @ 72Hz	1440x900 @ 60Hz	XGA: 1024x768 @ 60Hz	720x480p @ 60Hz	1366x768 @ 60Hz
640x480 @ 75Hz	1024x768 @ 120Hz	WXGA: 1280x800 @ 60Hz	1280x720p @ 60Hz	1920x1080i @ 50Hz
800x600 @ 56Hz	1280x800 @ 60Hz	1080P: 1920x1080 @ 60Hz	1920x1080i @ 60Hz	1920x1080p @ 60Hz
800x600 @ 60Hz	1280x1024 @ 60Hz		720(1440)x480i @ 60Hz	
800x600 @ 72Hz	1680x1050 @ 60Hz		1920x1080p @ 60Hz	
800x600 @ 75Hz	1280x720 @ 60Hz		720x576p @ 50Hz	
1024x768 @ 60Hz	1280x720 @ 120Hz		1280x720p @ 50Hz	
1024x768 @ 70Hz	1600x1200 @ 60Hz		1920x1080i @ 50Hz	
1024x768 @ 75Hz	1080P:		720(1440)x576i @ 50Hz	
1280x1024 @ 75Hz	1280x720 @ 60Hz		1920x1080p @ 50Hz	
	1280x800 @ 60Hz		1920x1080p @ 24Hz	
	1280x1024 @ 60Hz		1920x1080p @ 30Hz	
	1400x1050 @ 60Hz			
	1600x1200 @ 60Hz			
	1440x900 @ 60Hz			
	1280x720 @ 120Hz			
	1024x768 @ 120Hz			

True 3D video compatibility

		Input timing		
Input resolution	HDMI 1.4a 3D Input	1280x720P @ 50Hz	Top - and - Bottom	
		1280x720P @ 60Hz	Top - and - Bottom	
		1280x720P @ 50Hz	Frame packing	
		1280x720P @ 60Hz	Frame packing	
		1920x1080i @ 50 Hz	Side- by-Side (Half)	
		1920x1080i @ 60 Hz	Side- by-Side (Half)	
		1920x1080P @ 24 Hz	Top - and- Bottom	
		1920x1080P @ 24 Hz	Frame packing	
	HDMI 1.3	1920x1080i @ 50Hz	Side-by-Side(Half)	SBS mode is on
		1920x1080i @ 60Hz		
		1280x720P @ 50Hz		
		1280x720P @ 60Hz		
		1920x1080i @ 50Hz	Top-and-Bottom	TAB mode is on
		1920x1080i @ 60Hz		
		1280x720P @ 50Hz		
		1280x720P @ 60Hz		
		480i	HQFS	3D format is Frame sequential

Note: *If 3D input is 1080p@24hz, the DMD should replay with integral multiple with 3D mode.*

ADDITIONAL INFORMATION

Image size and projection distance

Standard throw 1080p (16:9)

Diagonal Length Size of (16:10) Screen	Screen Size W x H				Projection Distance (D)	
	(m)		(inch)		(m)	(feet)
	Width	Height	Width	Height		
0.49	0.42	0.26	16.3	10.2	0.50	19.6
0.97	0.82	0.52	32.2	20.2	1.00	39.3
1.20	1.02	0.64	40.1	25.1	1.25	49.2
1.44	1.22	0.76	48.0	29.9	1.50	59.0
1.68	1.42	0.89	55.9	35.0	1.75	68.8
1.93	1.64	1.02	64.3	40.1	2.00	78.7
2.41	2.04	1.28	80.3	50.3	2.50	98.4
2.90	2.44	1.53	96.0	60.2	3.00	118.1

Note: *This table is for user's reference only.*
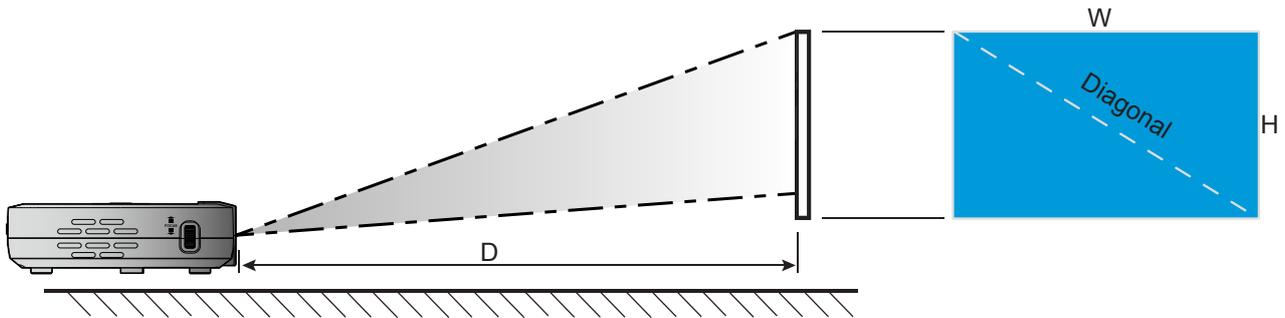
ADDITIONAL INFORMATION

Projector dimensions and ceiling mount installation

- 1/4-20 UNC thread (screw hole for tripod)
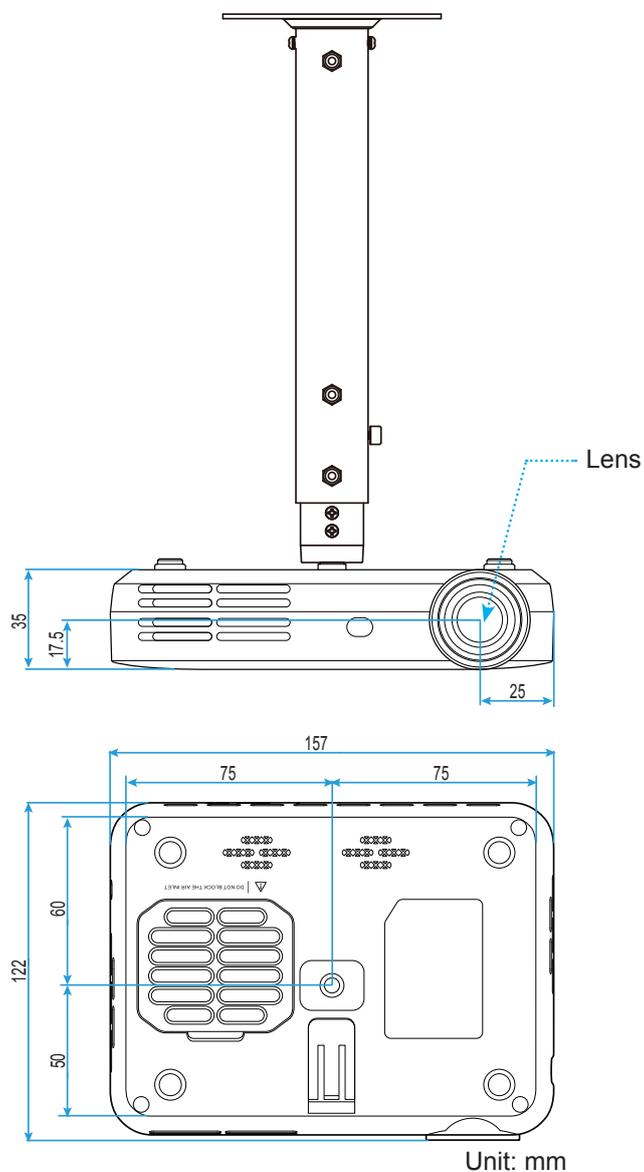
Lens

157

75   75

35

17.5

25

122

60

50

DO NOT BLOCK THE AIR INLET

Unit: mm

Note: *Please note that damage resulting from incorrect installation will void the warranty.*

⚠ Warning:

- Be sure to keep at least 10 cm gap between the ceiling and the bottom of the projector.
- Avoid installing the projector near a heat source.

ADDITIONAL INFORMATION

IR remote codes

Key		Remote Code	Description
Power	⏻	00	Refer to the "Power On/ Off the Projector" section on *18*.
Volume	◁–	08	Press the ◁– key to decrease the volume.
	◁+	0A	Press the ◁+ key to increase the volume.
Mouse pointer	🖱	41	Press the 🖱 key to select items.
Return	↩	0E	Press the ↩ key to return to the previous page or item.
3D	3D	02	Manually select a 3D mode that matches your 3D content. Please refer to page *43*.
Home	⌂	14	Press the ⌂ key to return to the Home screen.
Device Settings	⚙	16	Press the ⚙ key to launch the projector on-screen (OSD) menu. To exit the OSD, press the ↩ key.
Settings	☰	0C	Press the ☰ key to launch the app menu. To exit the app menu, press the ↩ key.
Four directional select keys	∧	0D	Press the ∧, ∨, ‹, or › keys to select items or make adjustments to your selection.
	∨	15	
	‹	10	
	›	12	
OK	**OK**	11	Press the **OK** key to confirm your item selection.

ADDITIONAL INFORMATION

Troubleshooting

If you experience a problem with your projector, please refer to the following information. If a problem persists, please contact your local reseller or service center.

Image problems

? *After selecting the input source, the image does not appear on the screen*

- Ensure all the cables and power connections are correctly and securely connected as described in the "Installation" section. Please refer to page *14*.
- Ensure the pins of the connectors are not crooked or broken.

? *Image is out of focus*

- Adjust the Focus Ring on the left side of the projector. Please refer to page *15*.
- Make sure the projection screen is between the required distance from the projector. Please refer to page *46*.

? *The image is stretched when displaying 16:9 DVD title*

- When you play anamorphic DVD or 16:9 DVD, the projector will show the best image in 16:9 format on projector side.
- If you play 4:3 format DVD title, change the format as 4:3 in projector OSD. Please refer to page *41.*
- Please setup the display format as 16:9 (wide) aspect ratio type on your DVD player.

? *Image is too small or too large*

- Move the projector closer to or further from the screen.
- Modify "Aspect Ratio" settings in projector OSD "Image" > "Aspect Ratio" menu. Please refer to page *41.*
- Adjust "Digital Zoom" in projector OSD "Image" > "Aspect Ratio" menu. Please refer to page *41.*
- Adjust "Horizontal Scale" or "Vertical Scale" in projector OSD "Image" > "Aspect Ratio" menu. Please refer to page *41.*

? *Image has slanted sides:*

- If possible, reposition the projector so that it is centered on the screen and below the bottom of the screen.
- Adjust the "Keystone" setting in projector OSD "Advanced" > "Display" menu. Please refer to page *43.*

? *Image is reversed*

- Modify the "Projection Mode"setting in projector OSD "Advanced" > "Display" menu. Please refer to page *43.*

? *Two images, side-by-side format*

- Modify the "3D Format" settings in projector OSD "3D" menu. Please refer to page *43.*

ADDITIONAL INFORMATION

[?]   *Image does not display in 3D*

- Check if the battery of 3D glasses is drained.
- Check if the 3D glasses is turned on.

Other problems

[?]   *The projector stops responding to all controls*

- If possible, turn off the projector, then unplug the power cord and wait at least 20 seconds before reconnecting power.

Remote control problems

[?]   *If the remote control does not work*

- Check the operating angle of the remote control is pointed within ±15° to the IR receiver on the projector.
- Make sure there are not any obstructions between the remote control and the projector. Move to within 6 m (20 ft) of the projector.
- Make sure battery is inserted correctly and replace the batteries if they are depleted. Please refer to page *16.*

ADDITIONAL INFORMATION

Specifications

Optical	Description
Native resolution	WXGA (1280x800)
Lens	Manual focus
Image size (diagonal)	19.2"~11.4" (0.49m~0.29m)
Projection distance	19.6"~118.1" (0.50m~3.00m)

Electrical	Description
Color reproduction	16.7 million colors
Scan rate	- Horizontal scan rate: 15 kHz - 93kHz - Vertical scan rate: 24Hz - 120Hz
Built-in speaker	Yes
Power requirement	100 - 240V AC 50-60Hz
Input current	0.5A

Mechanical	Description
Installation orientation	Front, ceiling front, rear, ceiling rear
Dimensions	157mm (W) x 122mm (D) x 35mm (H) (without protruding part)
Weight	0.46 kg
Environmental conditions	Operating in 5 ~ 35°C and 85% humidity (non-condensing)

Note: *All specifications are subject to change without notice.*

ADDITIONAL INFORMATION

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