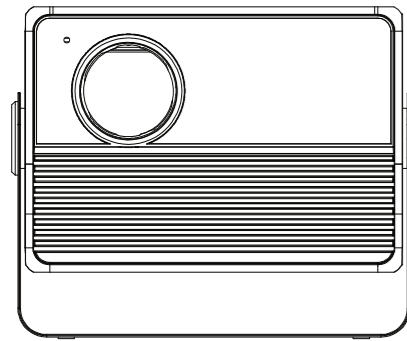




MODEL NO. RPJ227

# HOME THEATER SWIVEL PROJECTOR

## INSTRUCTION MANUAL



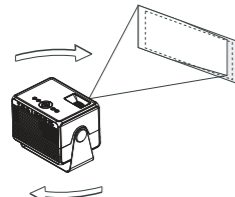
### PLEASE READ BEFORE OPERATING THIS EQUIPMENT

This product has been manufactured and sold under the responsibility of CURTIS INTERNATIONAL LTD. RCA, the RCA logo and the two dogs (Nipper and Chipper) logo are trademarks used under license by CURTIS INTERNATIONAL LTD. – further information at [www.rca-brand.com](http://www.rca-brand.com). All other products, services, companies, trademarks, trade or product names and logos referenced herein are the property of their respective owners.

**Ideal for dark viewing environments for optimal performance.**  
**Please note: Projector brightness is measured in ANSI lumens.**  
**Your viewing environment is the deciding factor on how many lumens your projector needs.**

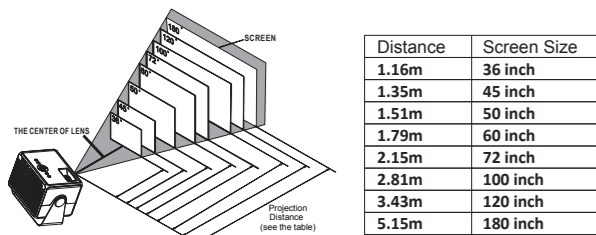
### To Reduce Image Distortion

- Move the projector as close to the center of the screen as possible.
- The light beam from the projector should be perpendicular to the screen for a rectangular or square image.



### Distance Between The Projector And Screen

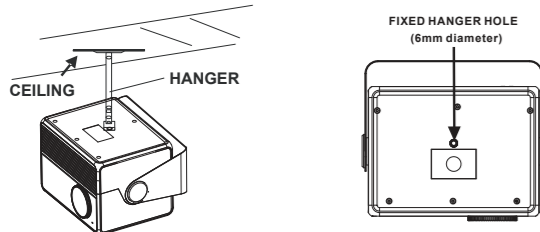
Measure the distance between the projector and where you want to position the screen. This is the projection distance for reference.



### Installing your Projector in the Ceiling

When installing the projector in the ceiling, please purchase a projector mount recommended by an installation professional and follow the instructions that come with the mount. Before installing the projector in the ceiling, please check to make sure the ceiling structure can support the weight of the projector and the mount. If in doubt, please ask the advice from an installation professional.

**NOTE:** Projector mount and screw(s) not included



### Important Safety Instructions

1. Read these instructions.
2. Keep these instructions.
3. Heed all Warnings.
4. Follow all instructions.
5. Do not use this apparatus near water.
6. Clean only with a dry cloth.
7. Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
8. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifier) that product heat.
9. Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
10. Only use attachments/accessories specified by the manufacturer.
11. Unplug this apparatus during lightning storms or when unused for long periods of time.
12. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.
13. Use only with a cart, stand, tripod, bracket, or table specified by the manufacturer or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.



### Additional Warnings and Precautions

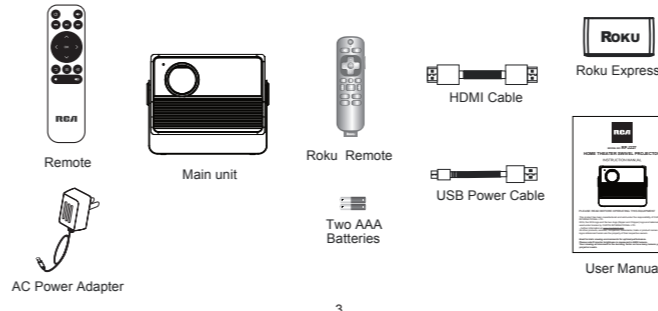
1. Do not look directly into the projector light.
2. Don't touch the projector lens.
3. Mains adapter is used as disconnect device and it should remain readily operable during intended use. In order to disconnect the apparatus from the mains completely, the mains plug should be disconnected from the mains socket outlet completely.
4. **CAUTION:** Use of controls or adjustments or performance of procedures other than those specified may result in hazardous radiation exposure.
5. **WARNING:** Changes or modified to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.
6. **WARNING:** Use of this unit near fluorescent lighting may cause interference regarding use of the remote. If the unit is displaying erratic behavior move away from any fluorescent lighting, as it may be the cause.
7. **WARNING:** Shock hazard - Do Not Open.
8. Caution and marking information is located at the rear or bottom of the apparatus.
9. **WARNING:** To reduce the risk of fire or electric shock, do not expose this apparatus to rain, moisture, dripping, or splashing.
10. Objects filled with liquids, such as vases, shall not be placed on the apparatus.

### FCC Warning

Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment. 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. **NOTE:** 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 in a residential installation. This equipment 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 equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user 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 equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.
- This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.
- This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

### In The Box



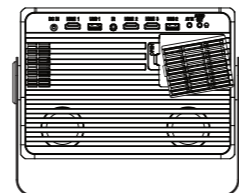
### Clean the air filter screen

The air filter screen should be cleaned every 1500 hours. Please use a vacuum cleaner to remove dust from the outside of the vent hole.

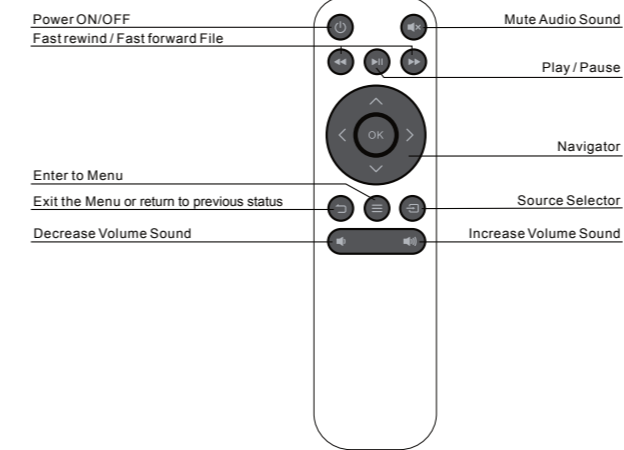
When the accumulated dust on the filter screen becomes difficult to remove with a vacuum cleaner, please remove the air filter screen and clean it.

1. Turn off the power and unplug the power cord
2. Remove the air filter compartment cover on the back of your unit by carefully sliding to open. The air filter cover can then be lifted away as shown in the figure.
3. Remove the air filter screen
4. Clean the air net with a neutral detergent solution and dry it outside in a cool place.
5. The ventilation openings around the projector should also be cleaned with a vacuum cleaner
6. Put the air filter screen back into the slot of the air filter compartment, and then cover back the air filter compartment cover.

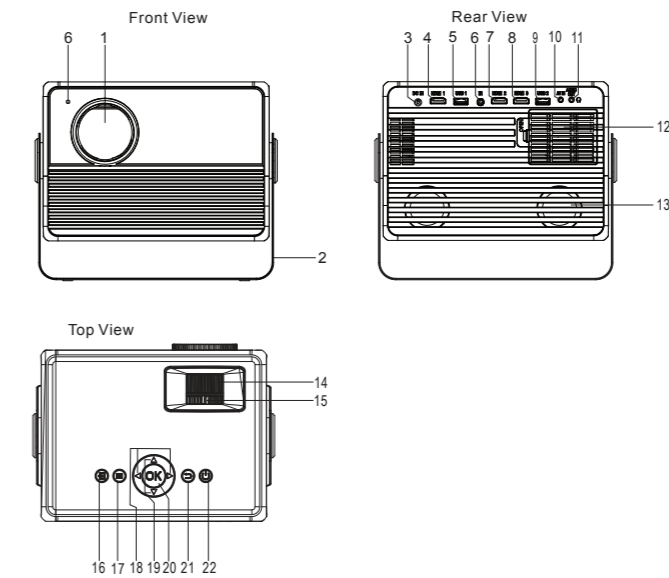
**Note:** If you neglect to clean the air filter screen, it may lead to dust accumulation, resulting in poor internal heat dissipation (heat accumulation), leading to unit failure



### Controls of Remote



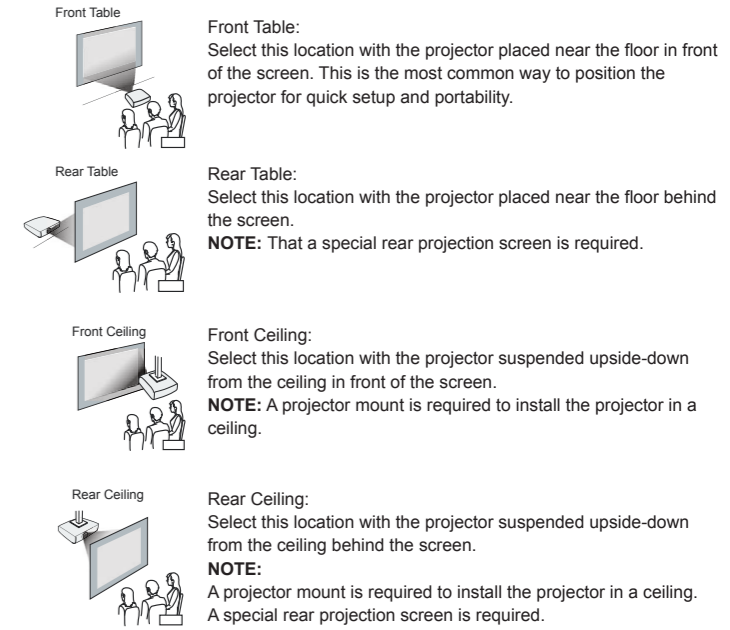
### Controls of Projector



- 1 LENS
- 2 Stand (ANGEL ADJ.)
- 3 DC IN Jack
- 4 HDMI 1 Port
- 5 USB 1 Port
- 6 IR Sensor
- 7 HDMI 2 Port
- 8 HDMI 3 Port (for Roku Streaming Stick input)
- 9 USB 2 Port (for Roku supply)
- 10 AV IN Jack
- 11 Audio Out Jack
- 12 Air Filter Door
- 13 Speaker
- 14 FOCUS ADJ. Knob
- 15 KEYSTONE ADJ. Knob
- 16 SOURCE Button
- 17 MENU Button
- 18 Left/Right Buttons
- 19 Up/Down Buttons
- 20 OK Button
- 21 RETURN Button
- 22 POWER Button

### Placing of Your Projector

Your projector can be installed in four different configurations (see picture below):



**WARNING:** Before connecting to the power supply, ensure that the supply corresponds to the information on the rating label at the back of the apparatus.

### Main Button Operation

- ⏻ - Press the button to switch on unit, press again to standby.
- 🏠 - Press the button to Home menu to select input source.
- ☰ - Press the button to enter projector menu.
- 🔍 - Press the buttons to navigate and select screen item of menu.
- ⏪ - Press the button to return to previous status or exit the menu.
- ⏩ - Press the buttons to fast search forward and rewind on USB.
- 🔊 / 🔇 - Press the buttons to select the sound level on the remote.
- ▶ - Press the button to play/pause the playback of file on USB.
- 🔇 - Press to mute the audio. Press again to resume.

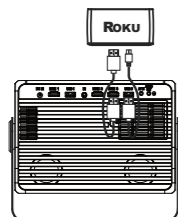


## Setup /Install the Roku® Streaming Stick

Make your Projector smart! Stream almost anything across thousands of free or paid streaming channels including hit movies, popular shows, live TV, news, sports and more.

### Step 1: Install the Roku® Streaming Stick.

Turn off the unit, use the included HDMI cable to plug into Roku HDMI port and the other end plug into the HDMI3 port on your projector.



### Step 2: Connect to power

For the best streaming experience, use the included USB power cable to connect Roku USB port and the other end to connect to the USB2 port on your projector.

Press the **⏻** button to turn on the unit. The projector home screen will appear. Use the arrow buttons to select the HDMI3 input.

### Step 3: Pair your Roku® remote

On the back side of the remote, slide open the battery cover. Insert included batteries placing the negative(-) ends in first. Follow the on-screen instruction, your remote should pair your Roku® Streaming Stick automatically. For help pairing your remote, visit [go.roku.com/remotehelp](http://go.roku.com/remotehelp). Note: To operate your Roku® Streaming Stick, you must use the included Roku remote.



### Step 4: Complete on-screen setup and start streaming

Tip: Have your wireless network name and password handy.

Follow the on-screen instructions on your Projector. Activate your Projector using your computer, smartphone, or tablet to link to a Roku account.

You need a Roku account to activate your Roku TV and access entertainment across thousands of streaming channels.



Note: Roku doesn't charge for activation support – beware of scams

Roku accounts are free and while a valid credit card number is not required to create a Roku account, saving your credit card information makes renting, purchasing, and subscribing to entertainment from the Roku Channel Store fast and convenient.

Once connected to your account, your TV will automatically update with the latest software, and you can start streaming immediately.

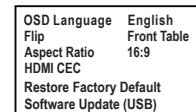
If you aren't ready to connect your TV to a wireless network, you can still use it as a regular TV.



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## Using Projector Menu 3

Press **≡** button or select SETTING icon on the home menu to enter projector menu, press **◀▶** buttons to select OPTION menu.



This **OPTION** menu showed on right upper of viewing screen.

- USE **▲▼** TO SELECT → OSD Language English → Use **◀▶** button to select different language
- USE **▲▼** TO SELECT → Flip Front Table → Use **◀▶** button to select Front Table / Front Ceiling / Rear Table / Rear Ceiling
- USE **▲▼** TO SELECT → Aspect Ratio 16:9 → Use **▲▼** buttons to select different Aspect Ratio 4:3 / 16:9 / Full / Auto / Just Scan. Follow below figure
- USE **▲▼** TO SELECT → HDMI CEC → Use **◀▶** buttons to select Enable HDMI Link On/Off. Use **▲▼** buttons to select and **◀▶** buttons to turn TV Auto PowerOn and Device Auto Standby items to On/Off if chose Enable HDMI Link On. (See the note)
- USE **▲▼** TO SELECT → Restore Factory Default → Use **◀▶** button to select Y or N. If choose "Y" that your unit will go to factory default setting
- USE **▲▼** TO SELECT → Software Update (USB) → For service center use only

Aspect Ratio	
AV mode	4:3, 16:9, Full, Auto
HDMI mode	4:3, 16:9, Full, Auto, Just Scan
USB (movie mode)	4:3, 16:9, Full, Auto, Just Scan

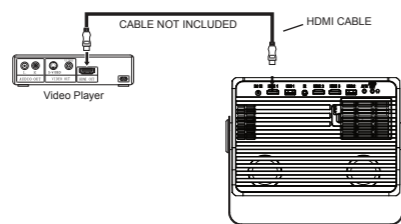
Note for HDMI CEC:  
The connected device with CEC function.

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## Connect HDMI Show The Image On Projector Screen

Refer to the following picture to connect a set top box, a BD/DVD player or a streaming player to the HDMI input.

1. Press the **⏻** button to standby mode before connect HDMI cable.
2. After connection, press the **⏻** button to turn on unit and power button will light WHITE
3. Press the button **⏻** to home screen, use **⊙** buttons to select HDMI 1 or HDMI 2 icon and press the **⊙** button to enter HDMI mode. The video from the connected device will be shown on projector screen.
4. Press the **⏻** button to turn unit to standby.



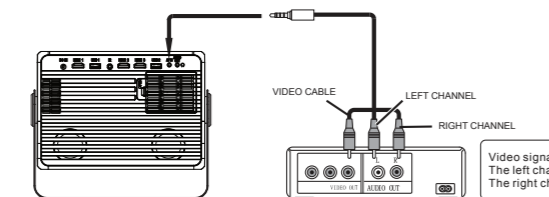
### Important Note:

If there is no sound from the internal speakers when playing media contents from a set top box, BD/DVD or streaming players connecting to the HDMI input, please check the set top box or the player's digital audio settings and make sure it is set to "PCM Stereo" mode.

## Connect AV Show The Image On Projector Screen

Follow the below picture to connect AV cable and device.

1. Press the **⏻** button to standby mode before connect AV cable.
2. After connect, press the **⏻** button to turn on unit and power button will light WHITE
3. Press the **⏻** button to home screen, use **⊙** buttons to select AV icon and press the **⊙** button to enter AV mode. The video of AV device will show on projector screen.
4. Press the **⏻** button to turn the unit to standby.



Video signal cable : Yellow  
The left channel signal lines: White  
The right channel signal lines: Red

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## Specifications

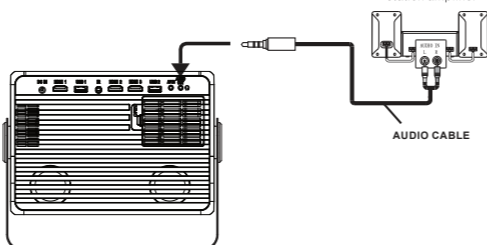
Light Source Type	LED
Brightness Output	White light output ANSI ISO/IEC 21118 250LMS
Bluetooth (Transmitter)	V5.3
Display Native Resolution	1920 x 1080 RGB
HDMI Input Supported Video Resolution.	1080p , 1080i , 720p, 576i , 480p, and 480i
Power Consumption	65W
Included Adapter	Input AC100-240V, 50/60Hz Output DC26V, 2.3A
Projection Size	36-180 inch
Input Port	AV IN x1 / HDMI x3 / USB x2
USB Port	Support USB device up to 32GB
Net Weight	1.7 KG (unit without stand)
Product Dimensions	247mm L x 180mm W x 203 mm H

Specifications are typical, individual units might vary. They are subject to continuous improvement without notice and without incurring any obligation.

## Connect Audio Output ( Aux Out / Line Out / Earphones)

Follow the below picture to connect audio cable and device.

1. Press the **⏻** button to standby of your projector before connection.
2. Use audio cable to connect follow the below figure.
3. After connect and turn on both units. Your projector sound from external device now.
4. After using, turn off both unit.



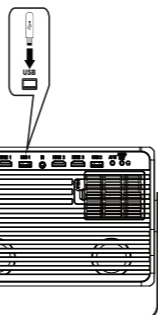
### Important Note:

If there is no sound from the stereo audio output when playing media contents from a set top box, BD/DVD or streaming players connecting to the HDMI input, please check the set top box or the player's digital audio settings and make sure it is set to "PCM Stereo" mode.

## Install USB Device

Follow the below picture to install USB

Turn off the unit before install USB



Note: This USB port is only used to read USB flash disk. DO NOT use it to charge any external equipment.

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## Using USB Playback (Media Player)

Install USB device:

1. Press the **⏻** button to standby before install USB.
2. Install the USB device into USB port.
3. After install, press the **⏻** button to turn on unit and the power button light WHITE.
4. In home screen, use **⊙** buttons to select MOVIE / MUSIC / PHOTO icon and press the **⊙** button to enter.
5. Use the **◀▶** button to select C or device name as the source and press **⊙** button to enter.

Note: If two USB device install, unit will assign the first installed device as C or device name and the second installed device as D or device name.

NOTE: Remove USB device, press the **⏻** button to standby mode FIRST.

Sub-Menu on Movie screen		Figure 1.
1. When movie playback, press the <b>⊙</b> button and more function screen show on lower (figure 1).	2. Use the <b>◀▶</b> button to select icon and press the <b>⊙</b> button to play special function.	
Sub-Menu on Photo screen		Figure 2.
1. When photo playback, press the <b>⊙</b> button and more function screen show on lower (figure 2).	2. Use the <b>◀▶</b> button to select icon and press the <b>⊙</b> button to play special function.	
Sub-Menu on Music screen		Figure 3.
1. When music playback, press the <b>⊙</b> button and more function screen show on lower (figure 3).	2. Use the <b>◀▶</b> button to select icon and press the <b>⊙</b> button to play special function.	

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## Using Bluetooth Playback

Pairing is the term used when two Bluetooth devices are connected wirelessly for the first time. This allows the devices to see each other and sets up a one to one communication channel between both devices.

### Bluetooth Connection

1. Turn on your External Bluetooth Speaker and select to Bluetooth pairing mode.
- Note: The effective distance between your external device and projector is within 10 meters (30 feet).

Press the **⏻** button to turn on unit.  
Press the **≡** button to enter the projector menu screen.  
Use the **◀▶** button to select Sound menu.  
Use the **▲▼** button to select **BT Setting** column as figure 1.

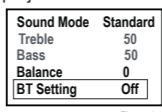


Figure 1.

Press the **⊙** button to enter BT Setting menu and use **▲▼** button to select On. (If BT Setting is On, press the **⊙** button to enter BT Setting menu.)

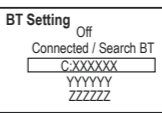


Figure 2.

Unit will try to reconnect the previous Bluetooth device, if it is connected before. If not, select **Search BT** and press **⊙** button to search device.

Wait a while, the available Bluetooth speaker device name will show in a list as figure 2. (For example: XXXXXX, YYYYYY, ZZZZZZ and etc.)

9. Use the **▲▼** button to select your desired Bluetooth speaker device and press **⊙** button to connect.
10. A few seconds, an indicator sound will be heard that your projector and external Bluetooth speaker connected. At the same time, there is "C:XXXXXX" to indicate the connected device on the BT Setting menu. Then press **⏻** button to exit.

After connection completed, you can listen to music by your Bluetooth receiver device such as a headphone or speaker wirelessly.

If you want to change to pair with another Bluetooth Enabled Device, please repeat above step 3 to step 10.

### Notes:

- 1) After connecting, Bluetooth device's name will be stored and will automatically connect for next time.
- 2) Projector Bluetooth (Transmitter) function can only pair with Bluetooth receiver such as headphone or speaker for music streaming wirelessly. Use your Bluetooth device volume control if necessary.

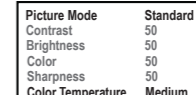
### Disconnect the Bluetooth

1. Press the **≡** button to enter the menu screen.
2. Use the **◀▶** button to select **Sound** menu.
3. Use the **▲▼** button to select **BT Setting** and press **⊙** button to enter BT Setting menu.
4. Use the **▲▼** button to select Off and press the **⊙** button to disconnect the Bluetooth function. Then press **⏻** button to exit.

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## Using Projector Menu 1

Press **≡** button or select SETTING icon on the home menu to enter projector menu. (Unit default in Picture menu.)



This **Picture** menu showed on right upper of view screen.

USE **▲▼** TO SELECT → Picture Mode Standard →

Use **▲▼** button to select different picture effect to Standard / Dynamic / Mild / User. Use **▲▼** button to adjust Contrast / Brightness / Color / Sharpness digit if chose User item.

USE **▲▼** TO SELECT → Contrast 50 →

Use **◀▶** button to adjust Contrast level 0 to 100. (Active in User item of Picture Mode)

USE **▲▼** TO SELECT → Brightness 50 →

Use **◀▶** button to adjust Brightness level 0 to 100. (Active in User item of Picture Mode)

USE **▲▼** TO SELECT → Color 50 →

Use **◀▶** button to adjust Color level 0 to 100. (Active in User item of Picture Mode)

USE **▲▼** TO SELECT → Sharpness 50 →

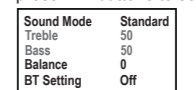
Use **◀▶** button to adjust Sharpness level 0 to 100. (Active in User item of Picture Mode)

USE **▲▼** TO SELECT → Color Temperature Medium →

Use **▲▼** button to select different color temperature to Cool / Medium / Warm.

## Using Projector Menu 2

Press **≡** button or select SETTING icon on the home menu to enter projector menu, press **◀▶** buttons to select SOUND menu.



This **Sound** menu showed on right upper of view screen.

USE **▲▼** TO SELECT → Sound Mode Standard →

Use **▲▼** button to select different sound effect Standard / Movie / Music / Sports / User. Use **▲▼** button to select and **◀▶** button to adjust Treble and Bass digit if chose User item.

USE **▲▼** TO SELECT → Treble 50 →

Use **◀▶** button to select Treble level 0 to 100. (Active in User item of Sound Mode)

USE **▲▼** TO SELECT → Bass 50 →

Use **◀▶** button to select Bass level 0 to 100. (Active in User item of Sound Mode)

USE **▲▼** TO SELECT → Balance 0 →

Use **◀▶** button to select Balance level to -50 to +50.

USE **▲▼** TO SELECT → BT Setting →

To select On/Off.

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To make a warranty claim, please email [support2@curtiscs.com](mailto:support2@curtiscs.com) or call 1-800-968-9853.

### 90 day Warranty

This product is warranted to be free from defects in material and workmanship for a period of ninety (90) days from the date of original delivery to the consumer. During this period, your exclusive remedy is repair or replacement of this product or component found to be defective, at our option; however, you are responsible for all costs associated with returning the product to us. If the product or component is no longer available, we will replace with a similar one of equal or greater value. Prior to a replacement being sent, the product must be rendered inoperable or returned to us.

This warranty does not cover glass, filters, wear from normal use, use not in conformity with the printed directions., or damage to the product resulting from accident, alteration, abuse, or misuse. This warranty extends only to the original consumer purchaser or gift recipient. Keep the original sales receipt, as proof of purchase is required to make a warranty claim. This warranty is void if the product is used for other than single-family household use or subjected to any voltage and waveform other than as on the specified rating on the label (e.g., 120V-60Hz).

We exclude all claims for special, incidental, and consequential damages caused by breach of express or implied warranty. All liability is limited to the amount of the purchase price. **Every implied warranty, including any statutory warranty or condition of merchantability or fitness for a particular purpose, is disclaimed except to the extent prohibited by law, in which case such warranty or condition is limited to the duration of this written warranty.** This warranty gives you specific legal rights. You may have other legal rights that vary depending on where you live. Some states or provinces do not allow limitations on implied warranties or special, incidental, or consequential damages, so the foregoing limitations may not apply to you.

For faster service, locate the model, type, and serial numbers on your appliance.

ATTACH YOUR PROOF OF PURCHASE HERE, PROOF OF PURCHASE IS REQUIRED TO OBTAIN WARRANTY SERVICE.

Please have the following information available when you contact the Support Team:

- Name, address and telephone number.
- Model number and serial number.
- A clear, detailed description of the problem.
- Proof of purchase including dealer or retailer name, address and date of purchase.

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