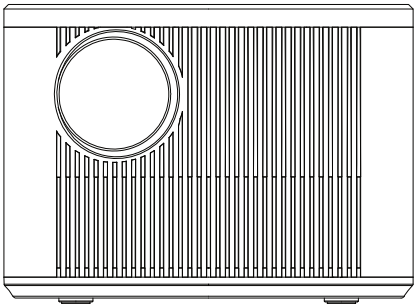




MODEL NO. RPJ185

## SMART HD HOME THEATER PROJECTOR

### INSTRUCTION MANUAL



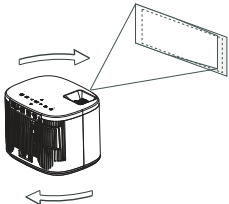
### PLEASE READ BEFORE OPERATING THIS EQUIPMENT

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.**

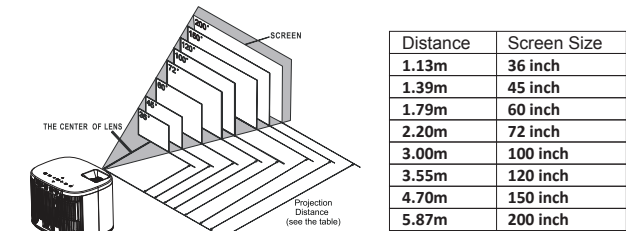
### To Reduce Image Distortion

- 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

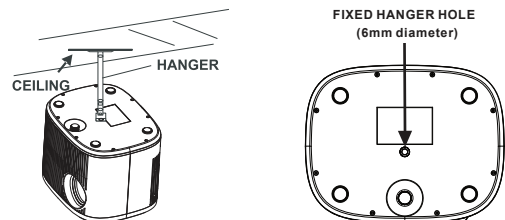
Measure the distance between the projector and where you want to position the screen. This is the projection distance for reference.



### 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

- Read these instructions.
- Keep these instructions.
- Heed all Warnings.
- Follow all instructions.
- Do not use this apparatus near water.
- Clean only with a dry cloth.
- Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
- Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifier) that product heat.
- Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
- Only use attachments/accessories specified by the manufacturer.
- Unplug this apparatus during lightning storms or when unused for long periods of time.
- 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.
- 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

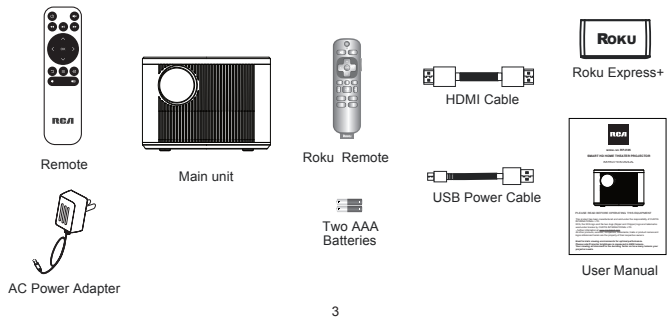
- Do not look directly into the projector light.
- Don't touch the projector lens.
- Mains adapter is used as disconnect device and it should remain readily operable during intended use. In order to disconnect the apparatus from the mains completely, the mains plug should be disc onnected from the mains socket outlet completely.
- CAUTION:** Use of controls or adjustments or performance of procedures other than those specified may result in hazardous radiation exposure.
- 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.
- 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.
- WARNING:** Shock hazard - Do Not Open.
- Caution and marking information is located at the rear or bottom of the apparatus.
- WARNING:** To reduce the risk of fire or electric shock, do not expose this apparatus to rain, moisture, dripping, or splashing.
- Objects filled with liquids, such as vases, shall not be placed on the apparatus.

### FCC Warning

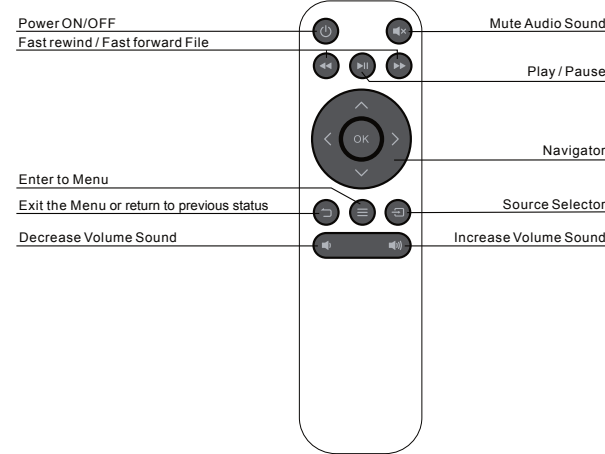
Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment. This device complies with Part 15 of the FCC rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, 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



### Controls of Remote

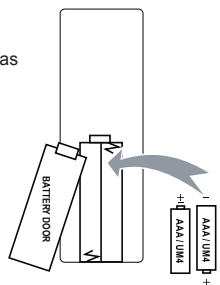


### Install / Remove Batteries of Remote

Remove the battery compartment cover on the back of your remote by carefully sliding to open. The battery cover can then be lifted away. Fit the correct batteries (not included), referring to the polarity markings. Finally, replace the cover.

#### NOTES:

- Batteries shall not be exposed to excessive heat such as placing under the sunlight or near a fire.
- Please make sure the batteries are installed with their correct polarities.
- Do not mix old and new batteries.
- Use only the same type of batteries.
- Do not dispose of the batteries in fire, battery may explode or leak.
- Do not recharge a non-rechargeable battery.

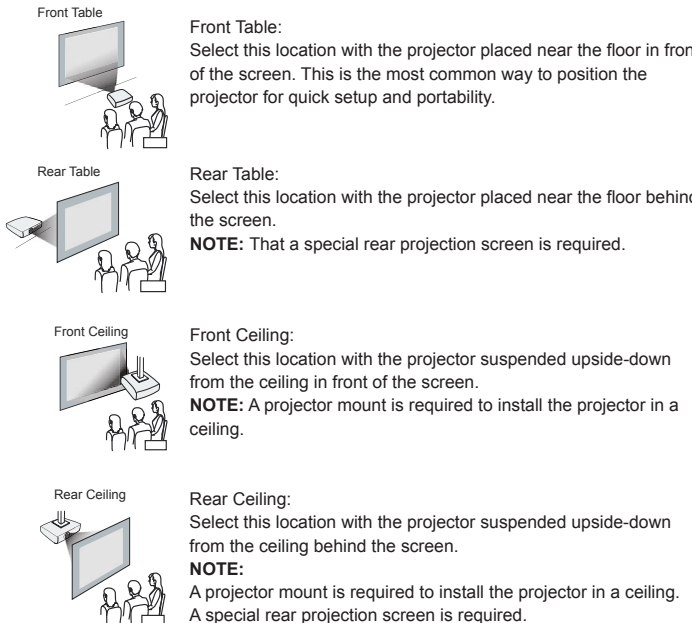


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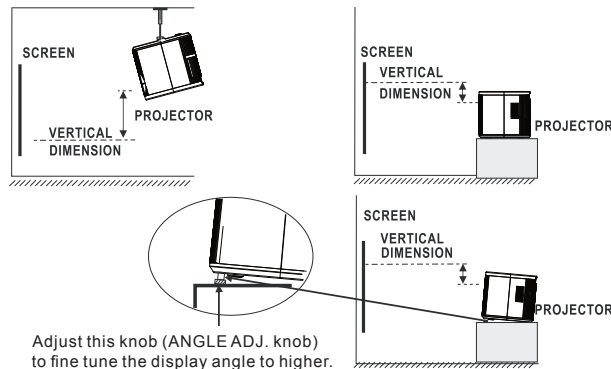
### Placing of Your Projector

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



### Adjust The Vertical Location

Follow below picture to adjust the vertical location.

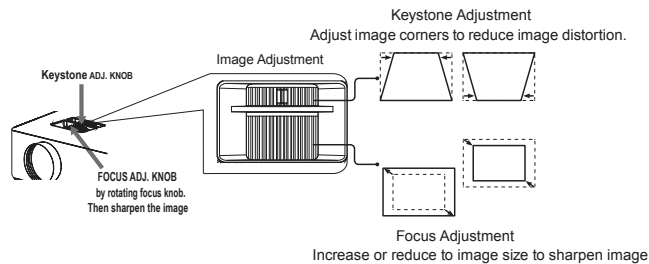


### Adjust The Focus And Keystone

Follow below picture to adjust the focus and trapezoidal screen.

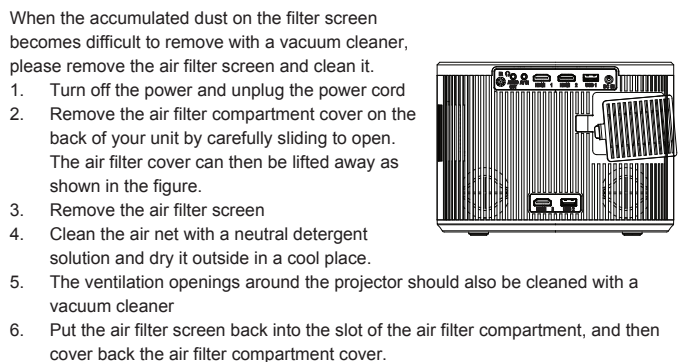
Adjust the focus by turning the knob while observing the image pixels near the center of the screen. Optimal focus is obtained when the pixels are clearly visible. Depending on the projected screen size, the focus near the screen edges may be less sharp than the screen center.

Keystone image is created when the projector lens is projected from above or below the center of the screen. Keystone correction restores the distorted image to a rectangular or square shape.



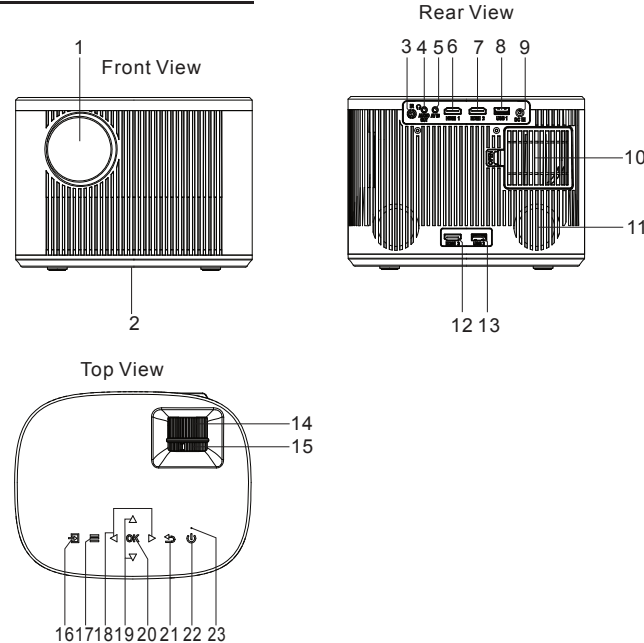
### Clean the air filter screen

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



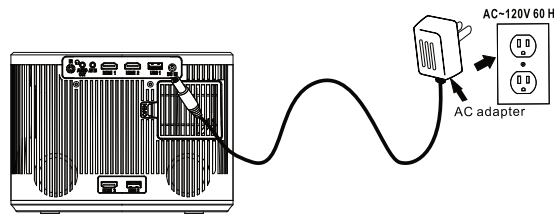
Note: If you neglect to clean the air filter screen, it may lead to dust accumulation, resulting in poor internal heat dissipation (heat accumulation), leading to unit failure

### Controls of Projector



### Install Power Adapter

Follow below picture to connect power adapter. Connect small end of adapter **FIRST**. Plug the adapter body to power outlet.



**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

- Power ON/OFF - Press the button to switch on unit, press twice to turn off this unit.
- Home - Press the button to Home menu to select input source.
- Menu - Press the button to enter projector menu.
- Navigation - Press the buttons to navigate and select screen item of menu.
- Return - Press the button to return to previous status or exit the menu.
- Fast Search - Press the buttons to fast search forward and rewind on USB.
- Sound Level - Press the buttons to select the sound level on the remote.
- Play/Pause - Press the button to play/pause the playback of file on USB.
- Mute - 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® Steaming 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.

### Using Projector Menu 3

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

OSD Language English Flip Front Table 16:9 HDMI CEC Restore Factory Default Software Update (USB)

USE TO SELECT

OSD Language English

USE TO SELECT

Flip Front Table

USE TO SELECT

Aspect Ratio 16:9

USE TO SELECT

HDMI CEC

USE TO SELECT

Restore Factory Default

USE TO SELECT

Software Update (USB)

PRESS

Use button to select different language

Use button to select Front Table / Front Ceiling / Rear Table / Rear Ceiling

Use buttons to select different Aspect Ratio 4:3 / 16:9 / Full / Auto / Just Scan. Follow below figure

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 button to select Y or N. If choose "Y" that your unit will go to factory default setting

For service center use only

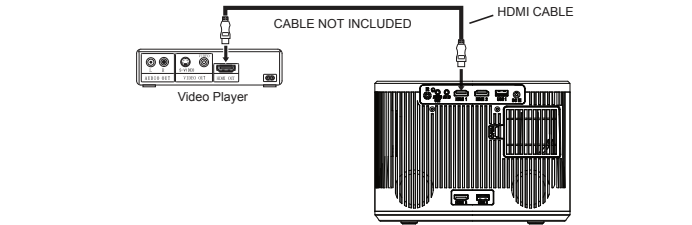
Aspect Ratio	
AV mode	4:3, 16:9, Full, Auto
HDMI mode	4:3, 16:9, Full, Auto, Just Scan
USB (movie mode)	4:3, 16:9, Full, Auto, Just Scan

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

### 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 GREEN
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.

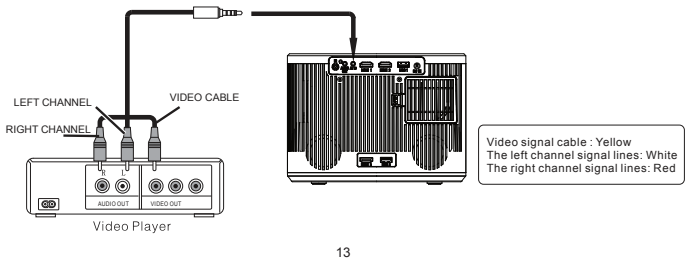


**Important Note:**  
If there is no sound from the internal speakers when playing media contents from a set top box, BD/DVD or streaming players connecting to the HDMI input, please check the set top box or the player's digital audio settings and make sure it is set to "PCM Stereo" mode.

### Connect AV Show The Image On Projector Screen

Follow the below picture to connect AV cable and device.

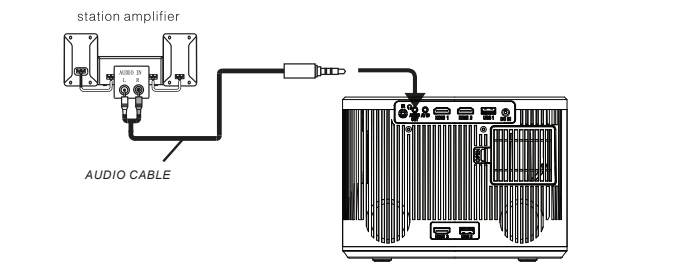
1. Press the button to standby mode before connect AV cable.
2. After connect, press the button to turn on unit and power button will light GREEN
3. Press the button to home screen, use buttons to select AV icon and press the button to enter AV mode. The video of AV device will show on projector screen.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



### 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.



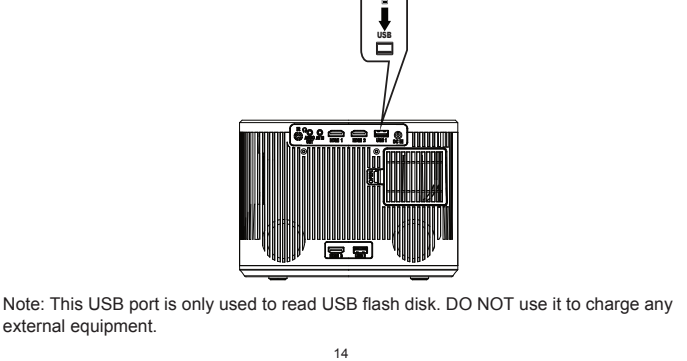
#### Important Note:

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



### 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 GREEN.
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.  
6. Use buttons to search the correct file to preview and press the button to playback file.

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

Sub-Menu on Movie screen

1. When movie playback, press the button and more function screen show on lower (figure 1).

2. Use the button to select icon and press the button to play special function.

Figure 1.

Sub-Menu on Photo screen

1. When photo playback, press the button and more function screen show on lower (figure 2).

2. Use the button to select icon and press the button to play special function.

Figure 2.

Sub-Menu on Music screen

1. When music playback, press the button and more function screen show on lower (figure 3).

2. Use the button to select icon and press the button to play special function.

Figure 3.

### 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).
2. Press the button to turn on unit.
3. Press the button to enter the projector menu screen.
4. Use the button to select Sound menu.
5. Use the button to select **BT Setting** column as figure 1.
6. 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.)
7. 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.
8. 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.
11. After connection completed, you can listen to music by your Bluetooth receiver device such as a headphone or speaker wirelessly.
12. 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.

### Using Projector Menu 1

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

Picture Mode Standard Contrast 50 Brightness 50 Color 50 Sharpness 50 Color Temperature Medium

USE TO SELECT

Picture Mode Standard

PRESS

Contrast 50

USE TO SELECT

Brightness 50

USE TO SELECT

Color 50

USE TO SELECT

Sharpness 50

USE TO SELECT

Color Temperature Medium

PRESS

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

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

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

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

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.

Sound Mode Standard Treble 50 Bass 50 Balance 0 BT Setting Off

USE TO SELECT

Sound Mode Standard

PRESS

Treble 50

USE TO SELECT

Bass 50

USE TO SELECT

Balance 0

USE TO SELECT

BT Setting

PRESS

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

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

Use button to select Balance level to -50 to +50.

To select On/Off.

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.