



MODEL NO. RPJ602

2 IN 1 BLUETOOTH KARAOKE & 480P HOME THEATER

INSTRUCTION MANUAL



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 project 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

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. Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

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:

- 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.

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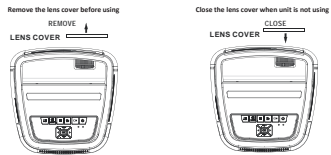
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PLEASE READ BEFORE OPERATING THIS EQUIPMENT

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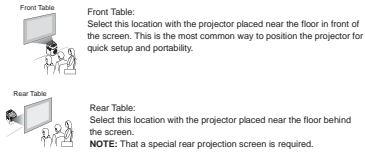
Ideal for dark viewing environments for optimal performance. **Please note: Projector brightness is measured in ANSI lumens. Your viewing environment is the deciding factor on how many lumens your projector needs.**

Remove & Close The Lens Cover



Placing of Your Projector

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



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.

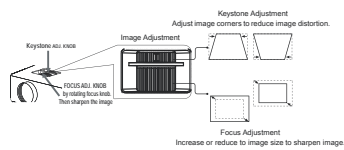
Distance	Screen Size
1.16m	36inch
1.40m	45inch
1.51m	50inch
1.55m	60inch
2.2m	72inch
3.04m	100inch
3.67m	120inch
4.46m	150inch

Adjust The Focus And Keystone

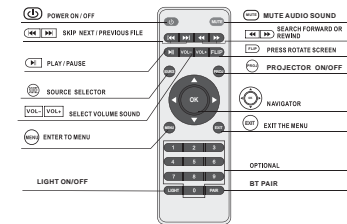
Follow below picture to adjust the focus and trapezoidal screen.

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.



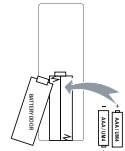
Controls of Remote



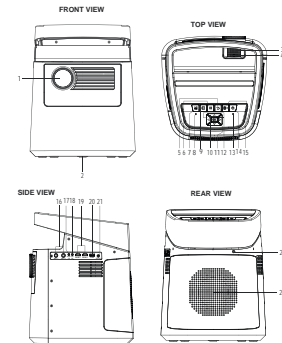
Install / Remove Batteries of Remote

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.



Controls of Projector



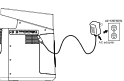
- | | |
|----------------------------|--------------------------|
| 1 LENS | 13 POWER Indicator |
| 2 ANGEL ADJ. Knob | 14 On Button |
| 3 FOCUS ADJ. Knob | 15 PROJECTOR Button |
| 4 TRAPEZOIDAL ADJ. Knob | 16 MIC1 and MIC2 IN Jack |
| 5 RETURN Button | 17 AUDIO IN Jack |
| 6 MENU E Button | 18 AV IN Jack |
| 7 HI / PAIR Button | 19 HDMI 1 and HDMI2 Port |
| 8 BT Indicator | 20 USB Port |
| 9 SOURCE / LIGHT ON Button | 21 DC IN Jack |
| 10 A / Y Buttons | 22 IR Sensor |
| 11 On Button | 23 SPEAKER |
| 12 B Buttons | |

Install Power Adapter

Follow below picture to connect power adapter. Plug the included AC adapter body into the standard AC power outlet to power the unit. Connect small end to DC IN jack of main unit. The unit is power on standby mode, the indicator is lighted red. After that, to turn on the unit, press button once on unit panel or by the remote. The indicator is lighted green.

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.

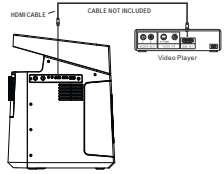


Main Button Operation

- On - Press the button to turn on unit, press again to standby mode.
- SOURCE - Press the button to select input source.
- MENU - Press the button to enter projector menu.
- Navigation Buttons - Press the buttons to navigate and select screen item of menu.
- EXIT - Press the button to return to previous status or exit the menu.
- Fast Search Buttons - Press the buttons to fast search forward and rewind on USB.
- Previous/Next Buttons - Press the buttons to search next or previous file on USB.
- VOL+ / VOL- - Press the buttons to select the sound level.
- Play/Pause Button - Press the button to play/pause the playback of file on USB.
- FLIP - Press the button to rotate / mirror projector screen.
- PROJ - Press the button to On / Off the projector screen.
- PAIR - Press and hold the button to Pair or Unpair the bluetooth connection.
- LIGHT - Press the button to On / Off the light effect from remote, press and hold this button to on/off the light effect from unit.
- MUTE - Press to mute the audio. Press again to resume.

Connect HDMI Show The Image On Projector Screen

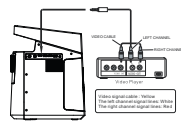
- Refer to the following picture to connect a set top box, a BD/DVD player or a streaming player to the HDMI input.
- Turn the unit to standby mode before connect HDMI cable.
 - After connection, press the **Q** button to turn on unit and **Q** indicator will light GREEN.
 - Press the **SOURCE** button, use the **▲/▼** button to select **HDMI** and press **Q** button to enter. The video from the connected device will be shown on projector screen.
 - Press the **Q** button to turn the unit to standby mode.



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

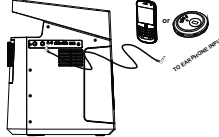
- Follow below picture to connect audio cable and device.
- Press the **Q** button to turn unit to standby mode before connection.
 - After connect, press the **Q** button to turn on unit and power indicator will light GREEN.
 - Press the **SOURCE** button, use the **▲/▼** button to select **AV** and press **Q** button to enter. The video of **AV** device will show on projector screen.
 - Press the **Q** button to turn the unit to standby.



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Connect Audio Input (Aux In / Line In)

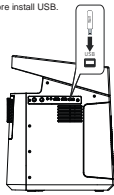
- Follow the below picture to connect audio cable and device.
- Press the **Q** button to turn unit to standby mode before connection.
 - After connect, press the **Q** button to turn on unit and power indicator will light GREEN.
 - Press the **SOURCE** button, use the **▲/▼** button to select **AUX** and press **Q** button to enter. Your projector sound from external device now.
 - 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 Audio 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
Press the **Q** button to turn unit to standby mode before install USB.



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

Using USB Playback (Media Player)

- Install USB device.
- Press **Q** button to turn unit to standby mode before install USB.
 - Install the USB device into USB port.
 - After connect, press the **Q** button to turn on unit
 - Press the **SOURCE** button to enter, use **▲/▼** buttons to select **USB** and press the **Q** button to enter.
 - After that, the Media Player menu will display, use **Q** buttons to select one of the icon of **MOVIE / PHOTO / MUSIC / TEXT** and press the **Q** button to enter.
 - Use the **▲/▼** button to select file and press **Q** button to enter.
 - Use **Q** buttons to search the correct file and press the **Q** button to preview playback file and press **Q** button of remote to start playback.
 - Press **Q** button to fast search rewind or forward.
 - Press **Q** button to search previous or next file.
 - During playback, press the **Q** button to pause and press again to resume.

NOTE:
If USB no name, the unit default it as Removable dis...
Remove USB, press the **Q** button to turn the unit in standby mode **FIRST**.

Sub-Menu on Movie screen

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

2. Use the **▲/▼** button to select icon and press the **Q** button to play special function.

Sub-Menu on Photo screen

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

2. Use the **▲/▼** button to select icon and press the **Q** button to play special function.

Sub-Menu on Music screen

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

2. Use the **▲/▼** button to select icon and press the **Q** button to play special function.

Sub-Menu on Text screen

1. When text playback, press the **Q** button and more function screen show on lower (figure 4).

2. Use the **▲/▼** button to select icon and press the **Q** button to play special function.

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Using Bluetooth Playback

External devices that have a built-in Bluetooth feature can connect wirelessly to the Unit.

Getting Connected

- Pairing a Bluetooth device
- Press the **Q** button to turn on unit, the power indicator light GREEN.
 - Press the **SOURCE** button, use the **▲/▼** button to select **Bluetooth** and press **Q** button to enter Bluetooth mode and Bluetooth **B** indicator will flash Blue.
 - The Bluetooth function of your external device to ON and begin searching for devices. **NOTE: The effective distance between your external device and this apparatus is 10 meters (30 feet)**
 - Select "RCA RPJ022" from the device list when it appears on your device screen.
 - If you are asked for a password, enter "0000"
 - An audible chime will sound and Bluetooth indicator is lighted blue steadily that indicates a connection has been established. The screen will show "Connected"
 - A few seconds later your Bluetooth connection should be ready to use.
 - If you want change to pair with another Bluetooth Enable Device. Press and hold the **PAIR** button. The Bluetooth **B** indicator will flash blue, the screen will show "No Connect" and the unit will go into Pairing / Discoverable mode again.

Note: After initial pairing, the unit will stay paired unless unpaired manually by the user or erased due to a reset of the device. If your device should become unpaired or your find it is unable to connect, repeat the above steps or press and hold the **PAIR** button again

Playing Music from an External Bluetooth Device

- After pair your external device and set it to play.
- Audio played through the connected Bluetooth device will now be heard through the speakers.
- Press the play/pause **II** button on the remote or short press the play/pause **II** button on unit to pause or resume play.
- Also can use **◀/▶** button to select previous or next file on external device.
- If you select ECO mode, the unit will turn off the project screen. To resume, press **PROJECTOR** button once.
- Press **VOL+ or VOL-** button to obtain the desired volume level.

Using Microphone

- Requires a microphone (included)
- Plug the microphone (see below figure) into the MIC input jack.
 - Slide the **ON/OFF** switch of **MICROPHONE**.



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Using Echo

- Press **Q** button to enter projector menu, press **▲/▼** buttons to select **SOUND** menu.
- Use **▲/▼** buttons to select **Mic Echo** column and press **Q** button to enter.
- Use **▲/▼** buttons to select **Mic Echo** level to 0 to 32 to enhance your voice for a concert hall effect..

Using Projector Menu 1

Press **Q** button to enter projector menu.

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

This Picture menu showed on right upper of view screen.

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

USE ▲/▼ TO SELECT → Contrast 50 → **PRESS** →

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

USE ▲/▼ TO SELECT → Color 50 → **PRESS** →

USE ▲/▼ TO SELECT → Sharpness 50 → **PRESS** →

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

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

Use **▲/▼** buttons to adjust Contrast level 0 to 100. (Active in User item of Picture Mode).

Use **▲/▶** buttons to adjust Brightness level 0 to 100. (Active in User item of Picture Mode).

Use **▲/▶** buttons to adjust Color level 0 to 100. (Active in User item of Picture Mode).

Use **▲/▶** buttons to adjust Sharpness level 0 to 100. (Active in User item of Picture Mode).

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

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Using Projector Menu 2

Press **Q** button to enter projector menu, press **▲/▶** buttons to select **SOUND** menu.

Sound Mode	Standard
Treble	50
Bass	50
Balance	0
Mic Echo	16

This sound menu showed on right upper of view screen.

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

USE ▲/▼ TO SELECT → Treble 50 → **PRESS** →

USE ▲/▼ TO SELECT → Bass 50 → **PRESS** →

USE ▲/▼ TO SELECT → Balance 0 → **PRESS** →

USE ▲/▼ TO SELECT → Mic Echo 16 → **PRESS** →

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

Use **▲/▶** buttons to select Treble level 0 to 100. (Active in User item of Sound Mode).

Use **▲/▶** buttons to select Bass level 0 to 100. (Active in User item of Sound Mode).

Use **▲/▶** buttons to select Balance level -50 to +50. (Active in User item of Sound Mode).

Use **▲/▶** buttons to select Mic Echo level to 0 to 32.

Using Projector Menu 3

Press **Q** button to enter projector menu, press **▲/▶** buttons to select **OPTION** menu.

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

This OPTION menu showed on right upper of viewing screen.

USE ▲/▶ TO SELECT → OSD Language English → **PRESS** →

USE ▲/▶ TO SELECT → Flip Front Table → **PRESS** →

USE ▲/▶ TO SELECT → Aspect Ratio 16:9 → **PRESS** →

USE ▲/▶ TO SELECT → Restore Factory Default → **PRESS** →

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 **▲/▼** to select different Aspect Ratio 4:3 / 16:9 / Full (Active by below figure mode).

Use **▲/▶** buttons to select Y or N. If choose "Y" that your unit will go to factory default setting.

For service center use only

Aspect Ratio	4:3, 16:9, Full, Panorama
AV mode	4:3, 16:9, Full, Panorama
TV mode	4:3, 16:9, Full, Panorama, Just Scan
USB input (movie mode)	4:3, 16:9, Full, Panorama, Just Scan

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Specifications

Bluetooth Version	5.3
Light Source Type	LED
White light output (ANSI Lumens)	60 ± 10%
Display Native Resolution	800 x 480 RGB
HDMI Input Supported Video Resolution.	1080p, 1080i, 720p, 576, 480p, and 480i
Projection Size	36-150 inch
Input Port	HDMI / USB / AV IN / MIC IN / AUX IN
USB Port Supported	Support USB device up to 256GB
Format	Support Picture format: JPG, BMP, PNG Support Audio format: MP3 Support Video format: Mpeg1, Mpeg2, Mpeg4, RM, AVI, RMVB, MOV, MJPEG
DC IN Power	DC 12V - 4A

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

For service assistance and product information, please call: 1-800-968-9853.
Pour obtenir assistance et information appelez: 1-800-968-9853.
Curtis International Ltd.
7045 BECKETT DRIVE, UNIT 15,
MISSISSAUGA, ON, L5S 2A3
www.curtisint.com

To make a warranty claim, please email support2@curtisinc.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 purchase. 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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