RCA

MODEL NO. RPJ104

MULTIMEDIA PROJECTOR

INSTRUCTION MANUAL

PLEASE READ BEFORE OPERATING THIS EQUIPMENT

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.

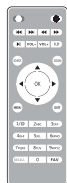10. Objects filled with liquids, such as vases, shall not be placed on the apparatus.

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.
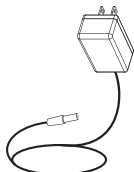
NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate 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.
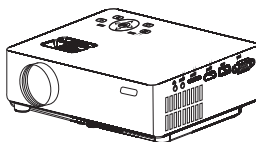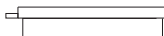- Consult the dealer or an experienced radio/TV technician for help.

In The Box

Main unit
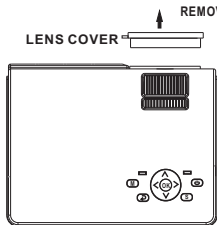
Remote   AC Power Adapter   Lens Cover   User Manual

3

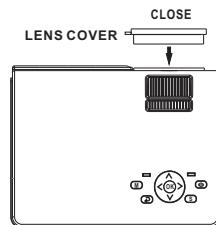# Table of Contents

Remove & Close The Lens Cover

Remove the lens cover before using

REMOVE

LENS COVER

Close the lens cover when unit not using

CLOSE

LENS COVER

Placing Your Projector

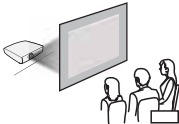Your projector can be installed in four different configurations (see picture below):

Front Table

Front Table:
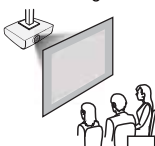Select this location with the projector placed near the floor in front of the screen. This is the most common way to position the projector for quick setup and portability.

Front Ceiling

Front Ceiling:
Select this location with the projector suspended upside-down from the ceiling in front of the screen.
NOTE: A projector mount is required to install the projector in a ceiling.

Rear Tablet

Rear Table:
Select this location with the projector placed near the floor behind the screen.
NOTE: That a special rear projection screen is required.

Rear Ceiling

Rear Ceiling:
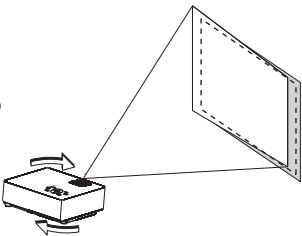Select this location with the projector suspended upside-down from the ceiling behind the screen.
NOTE:
A projector mount is required to install the projector in a ceiling.
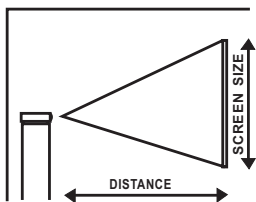A special rear projection screen is required.

To Reduce Image Distortion

It is recommended to move the projector as close to center of screen.

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.
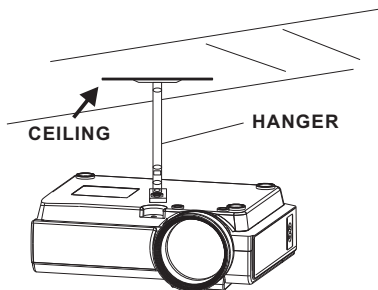
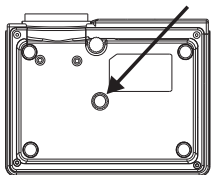| Distance	Screen Size
1.16m	37 inch
1.35m	45 inch
1.51m	50 inch
1.81m	60 inch
2.15m	72 inch

Placing Your Projector On 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 professorial.
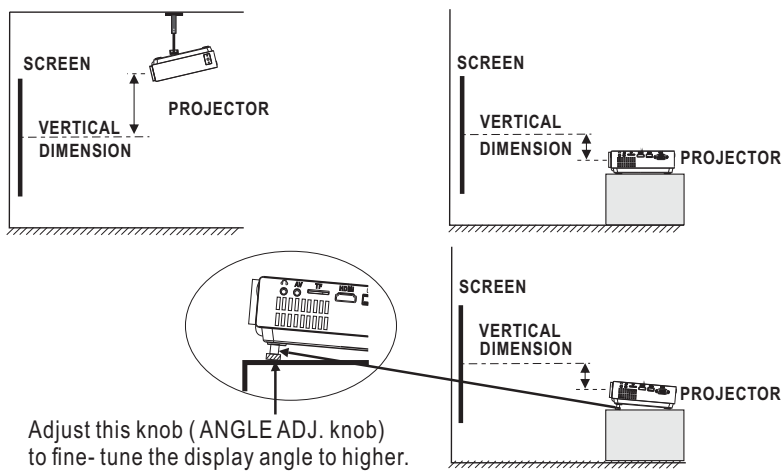
NOTE: Projector mount and screw(s) not included

FIXED HANGER HOLE

CEILING   HANGER

Adjust The Vertical Location

Follow below picture to adjust the vertical location.

SCREEN

PROJECTOR

VERTICAL
DIMENSION

SCREEN

VERTICAL
DIMENSION

PROJECTOR

SCREEN

VERTICAL
DIMENSION

PROJECTOR

Adjust this knob (ANGLE ADJ. knob)
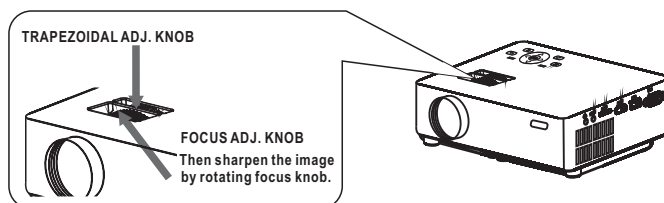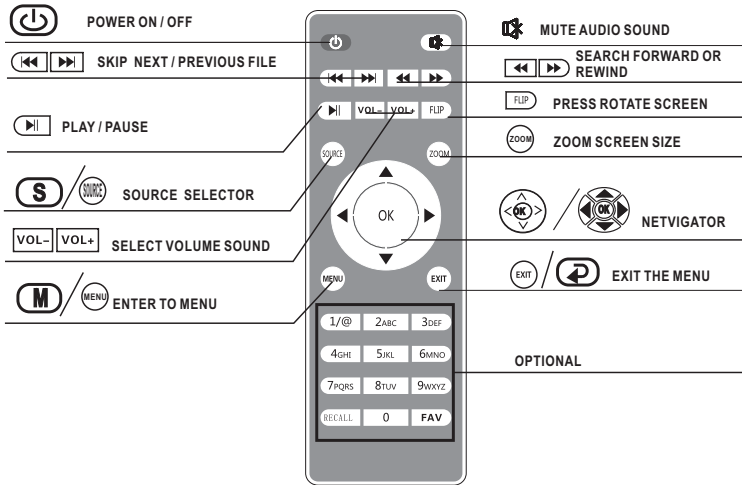to fine- tune the display angle to higher.

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 beam is projected to the screen in an angle. Keystone correction will restore the distorted image to a rectangular or square shape.

TRAPEZOIDAL ADJ. KNOB
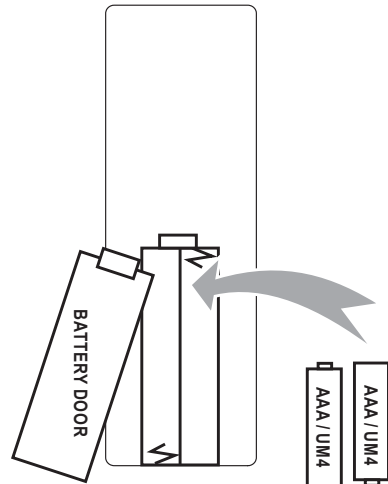
FOCUS ADJ. KNOB
Then sharpen the image
by rotating focus knob.

Controls Of Remote

POWER ON / OFF		MUTE AUDIO SOUND	
SKIP NEXT / PREVIOUS FILE		SEARCH FORWARD OR REWIND	
PLAY / PAUSE		PRESS ROTATE SCREEN	
		ZOOM SCREEN SIZE	
SOURCE SELECTOR		NETVIGATOR	
VOL- VOL+ SELECT VOLUME SOUND		EXIT THE MENU	
M / ENTER TO MENU		OPTIONAL	

Install / Remove Battery 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 sunshine, fire
- Be sure that the batteries are installed polarity correctly.
- Do not mix old and new batteries.
- Only same or equivalent type batteries as recommend are to be used.
- Do not dispose of batteries in fire, battery may explode or leak. Do not try to recharge a battery

BATTERY DOOR

AAA / UM4
AAA / UM4

Controls Of Projector
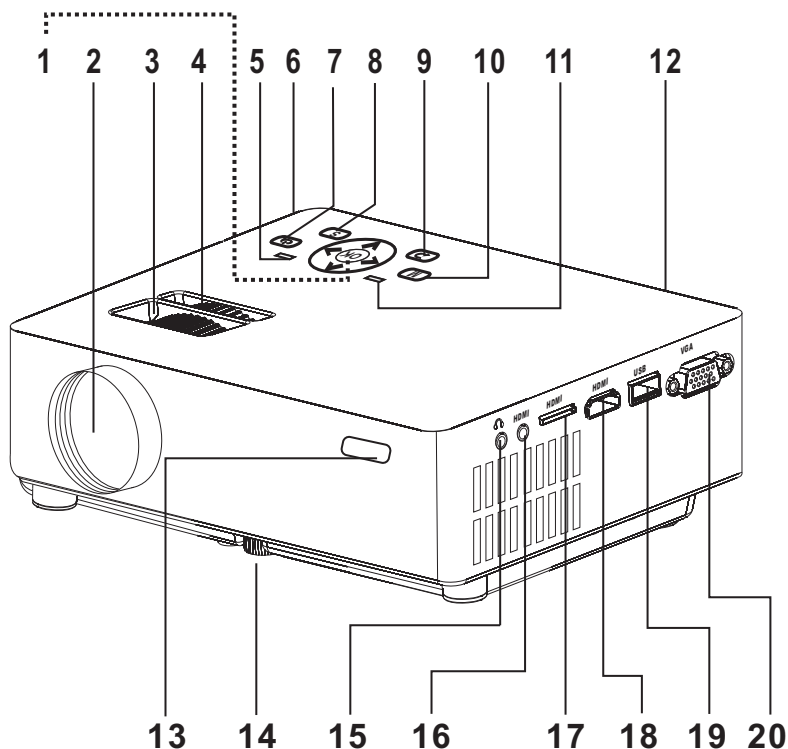
1. NETVIGATOR ⊕ Buttons	11. STANDY indicator
2. LENS	12. IR Window (Rear Side)
3. FOCUS ADJ. Knob	13. IR Window (Front Side)
4. TRAPEZOIDAL ADJ. Knob	14. ANGEL ADJ. Knob
5. POWER on Indicator	15. EAR PHONE Jack
6. DC IN jack	16. AV OUT Jack
7. POWER ⏻ Button	17. TF Card Slot (Micro SD Card)
8. SOURCE Ⓢ Button	18. HDMI Port
9. RETURN ⏎ Button	19. USB Port
10. MENU Ⓜ Button	20. VGA Port

Install Power Adapter

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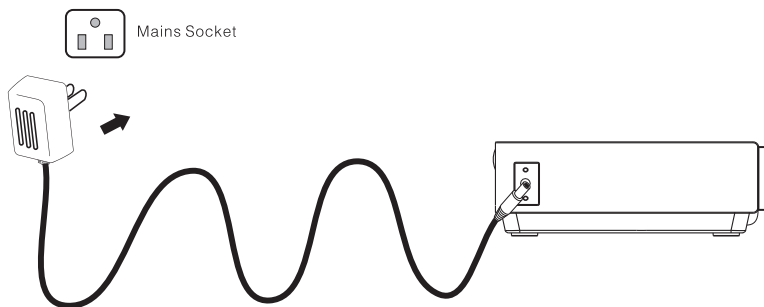
Main Operation

⏻ - Press the button to turn on unit, press again to turn off.

Ⓢ / **SOURCE** - Press the button to select input source.

Ⓜ / **MENU** - Press the button to enter projector menu.

/ - Press the buttons to select screen item of projector menu.

/ **EXIT** - Press the button to exit the projector menu.

◀◀/▶▶ - Press the buttons to fast search forward and rewind on USB / TF.

◀◀/▶▶ - Press the buttons to search next or previous file on USB / TF.

VOL+ / VOL - Press the buttons to select correct sound.

▶II - Press the button to play/pause the connect USB / TF card.

FLIP – Press the button to rotate / mirror projector screen

ZOOM - Press the button to select image scale.

- Press to muting the audio sound of your projector.Press again to resume.

Connect HDMI Show The Image On Projector Screen

Follow below picture to connect HDMI cable and device.
1. Turn off the unit before connect HDMI cable.

2. After connect, press the (⏻) button to turn on unit and power indicator will light GREEN

3. Press the (S) / **SOURCE** button to HDMI mode and the video of HDMI device will show on projector screen.

4. Press the (⏻) button to turn off unit power.

CABLE NOT INCLUDE

HDMI CABLE

Video Player
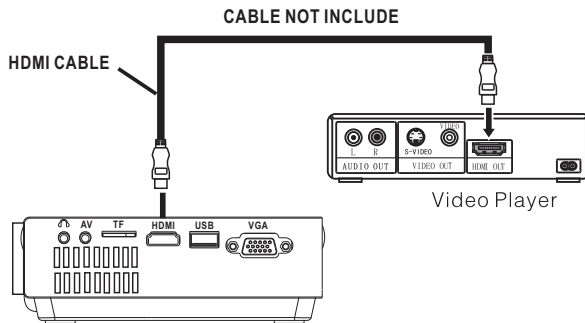
Connect AV Show The Image On Projector Screen

Follow below picture to connect AV cable and device.
1. Turn off the unit before connect AV cable.

2. Use AV cable to connect follow below figure

3. After connect, press the (⏻) button to turn on unit and power indicator will light GREEN

4. Press the (S) / **SOURCE** button to AV mode and the video of AV device will show on projector screen

5. Press the (⏻) button to turn off unit power.

CABLE NOT INCLUDE

VIDEO CABLE

LEFT CHANNEL

RIGHT CHANNEL

VIDEO CABLE : YELLOW
AUDIO LEFT CHANNEL : WHITE
AUDIO RIGHT CHANNEL : RED

VIDEO PLAYER

Connect VGA Show The Image On Projector Screen
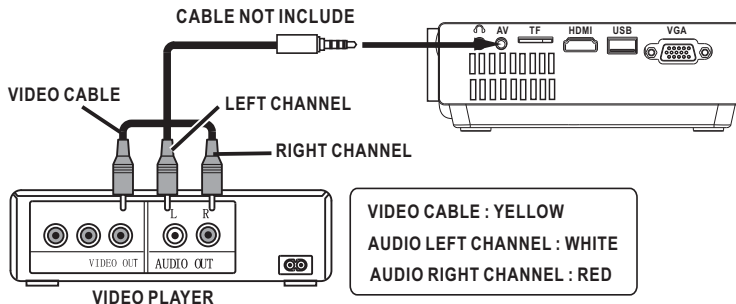
Follow below picture to connect HDMI cable and device.

1. Turn off the unit before connect VGA cable.

2. Press the ⏻ button to <u>turn off power</u> of your projector before connection.

3. After connect, press the ⏻ button to turn on unit and power indicator will light GREEN

4. Press the Ⓢ / **SOURCE** button to VGA mode and the video of VGA device will show on projector screen.

5. Press the ⏻ button to turn off unit power.

To VGA PORT

OR

COMPUTER CABLE   COMPUTER CABLE

CABLE NOT INCLUDE

NOTE BOOK   DECK TOP
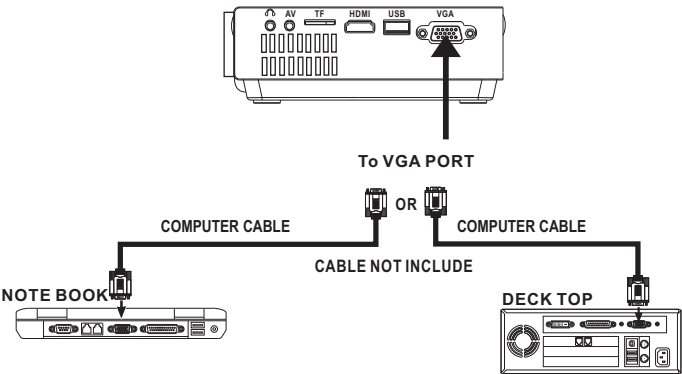
Please refer to the following table   to adjust the output signal from computer

Type	Resolution		Frequency	Field Frequency
PC	VGA	640x480	31.5	60
			34.7	70
			37.9	72
			37.5	75
	SVGA	800x600	31.4	50
			35.1	56
			37.9	60
			46.6	70
			48.1	72
			46.9	75
	XGA	1024x768	40.3	50
			48.4	60
			56.5	70

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

Follow below picture to connect audio cable and device.

1.   Press the ⏻ button to turn off power of your projector before connection.

2.   Use audio cable to connect follow below figure.

3.   After connect and turn on both units. Your projector sound from external device now.

4.   After using , turn off both unit

Station Amplifier

CABLE NOT INCLUDE

AUDIO IN
L   R

AV   TF   HDMI   USB   VGA

AV CABLE
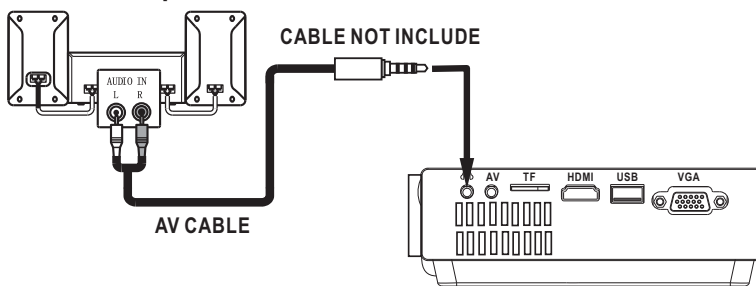
Install USB Device And Micro Sd Card "TF"

Follow below picture to install USB and TF card

Turn off the unit before install USB / TF card.

AV   TF   HDMI   USB   VGA

TF

TF   HDMI   USB
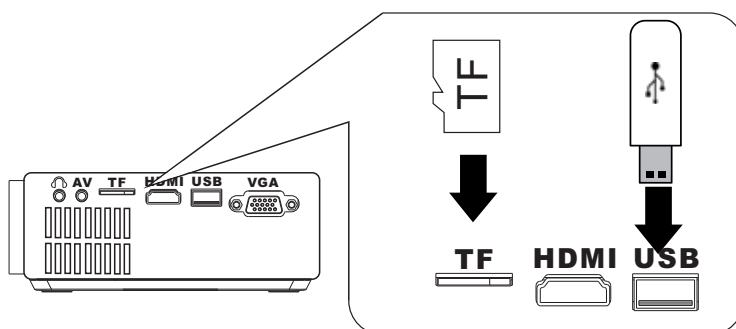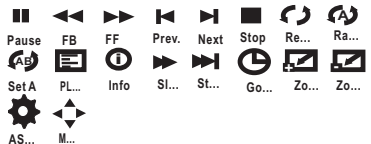
Using TF Card And USB Playback (Media Player)

Install USB / TF device:
1. Turn off the unit before install USB / TF card.
2. Install the USB device into USB port.
3. After connect, press the ⏻ button to turn on unit and the power indicator light GREEN.
4. Press the Ⓢ / **SOURCE** button to enter and use ⊕/⊕ buttons to search the MEDIAPLAYER mode.
5. After selection, use ⊕/⊕ buttons to search the MUSIC / PHOTO / MOVIE icon and press the (OK) button to enter. If necessary, use the ◀/▶ button to select TF card or USB and press the press the (OK) button to enter.
6. Use ⊕/⊕ buttons to search the correct file and press the (OK) button to preview playback file and press the ⟳ button of unit or ▶‖ button of remote to start playback.
7. Press ◀◀/▶▶ button to fast search forward and rewind.
8. Press ◀◀/▶▶ button to search next or previous file.
9. During playback, press the ▶‖ button to pause and press again to resume.

NOTE: Remove USB / TF device, press the ⏻ button to turn off power **FIRST**.

Sub-Menu on Photo screen	
1. When photo playback, press the (OK) button and more function screen show on lower (figure 1). 2. Use the ◀/▶ button to select icon and press the (OK) button to play special function.	Figure 1. Pause Prev. Next Stop Re... Ra... PL... Info Rotate Rotate Zo... Zo... M... Sli...
Sub-Menu on Music screen	
1. When music playback, press the (OK) button and more function screen show on lower (figure 2). 2. Use the ◀/▶ button to select icon and press the (OK) button to play special function.	Figure 2 Pause FB FF Prev. Next Stop Re... Set A Ra... MUTE PL... Info Go...
Sub-Menu on Movie screen	
1. When movie playback, press the (OK) button and more function screen show on lower (figure 3). 2. Use the ◀/▶ button to select icon and press the (OK) button to play special function.	Figure 3 Pause FB FF Prev. Next Stop Re... Ra... Set A PL... Info Sl... St... Go... Zo... Zo... AS... M...

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. Press the ⏻ button to turn on unit.
2. Press the Ⓜ button to enter the menu screen.
3. Use the ◀／▶ button to select right side menu.
4. Use the ▲／▼ button to select Bluetooth column.

```
Sound Mode Standard
Balance 0
Auto Volume Off
Surround Sound Off
Bluetooth
```

5. Press the ⓄⓀ button to enter Bluetooth menu.
6. Use the ◀／▶ button to select " ON"
7. Turn on your External Bluetooth Speaker and select to Bluetooth pairing mode
8. A few seconds, you hearing " do" sound that your unit and external Bluetooth speaker connected.
9. After connection completed, the unit sound to External Bluetooth speaker.

Disconnect the Bluetooth

1. Press the Ⓜ button to enter the menu screen.
2. Use the ◀／▶ button to select above menu.
3. Use the ▲／▼ button to select Bluetooth column.
4. Press the ⓄⓀ button to enter Bluetooth menu.
5. Use the ◀／▶ button to select " OFF" that the Bluetooth disconnect.

Using Projector Menu 1.0

Press Ⓜ button to enter projector menu. Press again to previous status.

| Software Upgrade |
| Native information |

Use ⊕/⊕ buttons to select manual page. This manual showed on right upper of view screen.

USE ▲／▼ TO SELECT

Software Upgrade PRESS OK → For service center use only.

USE ▲／▼ TO SELECT

Native information PRESS OK → Use the ▲／▼ button to select, press the ⓄⓀ button to enter and show below information.

▽
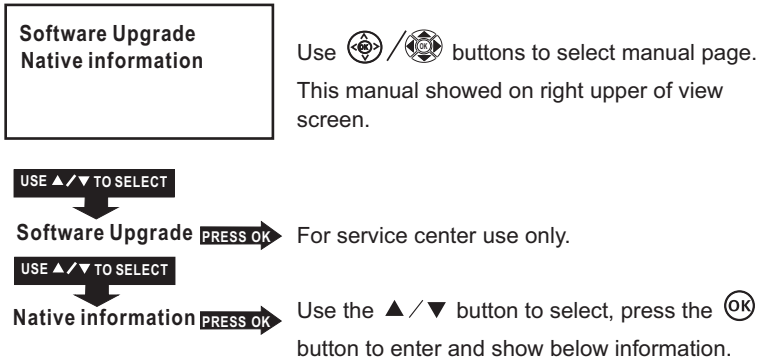
Model : RCA
SN: RPJ104
RCA
SW Ver: 3.0
LOGO: RCA
FL040CT_30

Using Projector Menu 2.0

Press Ⓜ button to enter projector menu. Press again to previous status.

Picture Mode Standard
Color Temper...
Aspect Ratio
Noise Reduction
MPEG Noise
Panel Flip Rotate 0

Use 💠/💠 buttons to select manual page.

This manual showed on right upper of view screen.

USE ▲/▼ TO SELECT

Picture Mode Standard PRESS OK

USE ▲/▼ TO SELECT

Use ◀/▶ to select different picture effect to Soft / Standard / Vidid / User. Use ◀/▶ or ▲/▼ to select Contrast / Brightness / Color / Sharpness digit If chose User item.

Color Temper... PRESS OK

USE ▲/▼ TO SELECT

Use ◀/▶ to select different color temperature to Cool / Medium / Warm / User. Use ◀/▶ or ▲/▼ to select Red / Green / Blue digit If chose User item. Follow below figure.

Aspect Ratio PRESS OK

USE ▲/▼ TO SELECT

Use ▲/▼ buttons to select screen ratio 4:3 or 16:9. Follow below figure.

Noise Reduction PRESS OK

USE ▲/▼ TO SELECT

Use ◀/▶ buttons to select Off / Low / Middle / High / Default.

MPEG Noise PRESS OK

USE ▲/▼ TO SELECT

Use ◀/▶ buttons to select Off / Low / Middle / High / Default.

Panel Flip Rotate 0 PRESS OK

Use ◀/▶ to select rotate 0 / rotate 1 / rotate 2 / rotate 3 to set screen angle.

Color temper… (temperature)	
Customer define	Parameter
red	0-100
blue	0-100
green	0-100

Aspect Ratio	
4:3	The signal in a 4:3 aspect ratio projection image
16:9	The signal in a 16:9 aspect ratio projection image

Using Projector Menu 3.0

Press (M) button to enter projector menu. Press again to previous status.

| Sound Mode Standard |
| Balance 0 |
| Auto Volume Off |
| Surround Sound Off |
| Bluetooth |

Use ⊕/⊕ buttons to select manual page.

This manual showed on right upper of view screen.

USE ▲／▼ TO SELECT

Sound Mode Standard PRESS OK

Use ◄／► to select different sound effect Standard / Movie / Music / Sports / User. If select User, follow below figure to set digit.

USE ▲／▼ TO SELECT

Balance 0 PRESS OK

Use ◄／► to select Balance level to 0-50.

USE ▲／▼ TO SELECT

Auto Volume Off PRESS OK

To select Off / On.

USE ▲／▼ TO SELECT

Surround Sound Off PRESS OK

Use ▲／▼ to select different sound effect to Off / Dolby Virtual / Surround.

USE ▲／▼ TO SELECT

Bluetooth PRESS OK

To select Off / On for Bluetooth connect.
Set to "ON" to turn on Bluetooth function.

Sound Mode - User	Parameter
Treble	0-100
Bass	0-100

Using Projector Menu 4.0

Press (M) button to enter projector menu. Press again to previous status.

```
Clock - - - -
Off Timer Off
On Timer Off
Sleep Timer Off
Auto Sleep Never
```

Use ⊕/⊗ buttons to select manual page.

This manual showed on right upper of viewing screen.

USE ▲/▼ TO SELECT

Clock - - - -   PRESS OK

USE ▲/▼ TO SELECT

Use ◄ / ► / ▲ / ▼ to select clock to Day / Month / Year / Hour / Minutes.

Off Timer Off   PRESS OK

USE ▲/▼ TO SELECT

Use ◄ / ► / ▲ / ▼ to select timer turn off to Day / Hour / Minutes.

On Timer Off   PRESS OK

USE ▲/▼ TO SELECT

Use ◄ / ► / ▲ / ▼ to select timer turn on to Day / Hour / Minutes.

Sleep Timer Off   PRESS OK

USE ▲/▼ TO SELECT

To select sleep timer turn to Off / 10min / 20min / 30min / 60min / 90min.

Auto Sleep Never   PRESS OK

To select auto sleep function to turn Never / 4 hour / 6 Hour / 8 hour.

Using Projector Menu 5.0

Press (M) button to enter projector menu. Press again to previous status.

```
OSD Language
Restore Factory Default
Color Range AUTO
```

Use ⊕/⊗ buttons to select manual page.
This manual showed on right upper of viewing screen.

USE ▲/▼ TO SELECT

OSD Language   PRESS OK

USE ▲/▼ TO SELECT

Use ⊕/⊗ button to select different language. Follow below figure.

Restore Factory Default   PRESS OK

USE ▲/▼ TO SELECT

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

Color Range AUTO   PRESS OK

Optional
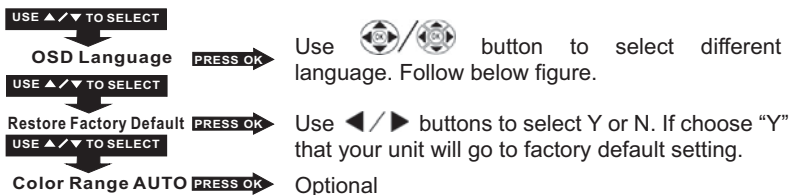
English	Hrvatski	Nederlands	Chinese
Franais	Deutech	Slovenina	Slovak
Espanol	Italiano	Norsk	
Portugues	Magyar	Srpski	
Esky	Polski	Svenska	
Dansk	Romnete	Suomi	

Specifications

Bluetooth version	4.0
Light Source Type	LED
Display Native Resolution	800 x 640
HDMI Input Supported Video Resolution.	1080p , 1080i , 720p, 576i , 480p, and 480i
Power Consumption	Operating 36W; Standby 0.8W
Power Input Connect Included Adapter	DC 12V , 2.5A
Included Adapter Connect DC input of unit	Input AC100-240V,50/60Hz Output DC12V , 2.5A.
Display Color	16.7K
Projection Size	30-100 inch
Signal Port	Video / VGA / HDMI
USB Port	Support USB device up to 32GB Support format mpeg1, Mpeg2 ,mpeg4, mp3 , Jpeg
SD Card	Support SD card up to 32GB Support format mpeg1, Mpeg2 ,mpeg4, mp3 , Jpeg
Weight	0.9 KG
Dimension	207 x 160 x 85 mm

LIMITED PRODUCT WARRANTY

This quality product is warranted to be free from manufacturer's defects in material and workman-ship, provided that the unit is used under the normal operating conditions intended by the manufacturer.

Should you have any problem with this product, please and it is highly recommended to visit our website at www.curtisint.com before you take any other steps as we have additional copies of instruction manuals, operating manuals and trouble shooting tips on our website which gives you the answer on most of the questions you could have in operating the unit.

TERMS OF WARRANTY

C.I. Service Dept. warrants this product to be free from defects in materials and workmanship for 90 days on parts and 90 days on labor. If you originally purchased your product more than 90 days ago, a repair fee may apply.

Nothing within this warranty shall imply that C.I. will be responsible or liable for any damage to any items placed in this product, whether due to any defect of the product, or its use, whether proper or improper.

EXCLUSIONS

Save as herein provided, C.I. Service Dept. (Canada) or C.I. Service Dept. (USA), there are no other warranties, conditions, representations or guarantees, express or implied, made or intended by C.I. or its authorized distributors and all other warranties, conditions, representations or guarantees, including any warranties, conditions, representations or guarantees under any Sale of Goods Act or like legislation or statue is hereby expressly excluded. Save as herein provided, C.I. Service Dept. (Canada) or C.I. Service Dept. (USA), shall not be responsible for any damages to persons or property, including the unit itself, howsoever caused or any consequential damages arising from the malfunction of the unit and by the purchase of the unit, the purchaser does hereby agree to indemnify and save harmless C.I. from any claim for damages to persons or property caused by the unit.

TO OBTAIN REPAIRS UNDER THE TERMS OF THIS WARRANTY

1. The original purchaser must present a copy of the original bill of sale and the service warranty card.
2. Any alterations, abuse, misuse, battery corrosion or accidental damage voids the warranty.
3. The warranty does not cover cabinets and accessories.
4. No warranty or insurance contained or set out shall apply when damage or repair is caused by power failure; damage in transit or when moving the unit; improper power supply; use for commercial or industrial purposes; service calls resulting in customer education, etc.
5. The defective product should be mailed to:

Canada	U.S.A
C.I. Service Dept.	Curtis International Ltd
315 Attwell Drive	c/o Lotus International Company
Toronto, ON	6880 Commerce Blvd.
M9W 5C1	Canton MI 48187
	U.S.A.

For service assistance and product information, please call: 1-800-968-9853.

If mailing the product, the freight must be prepaid and a money order for $7.00 should be included to cover the cost of insurance and the return of the product.

6. C.I. reserves the right to repair or replace the parts which have become defective.

To begin the **warranty repair process**, please note that you **MUST** obtain a **return authorization number prior** to returning your product for warranty based support.This can be placed under the 1-800-968-9853 contact line.

Model No. _____ Date Purchased _____ Serial No. _____