



RioHD-LED-2 User Guide

www.favientertainment.com

Glossary

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Warranty and support information

Your RioHD-LED-2 projector is guaranteed to be free of defects in material and workmanship for a period of 45 days from the date of receipt. Should your RioHD-LED-2 projector develop an issue requiring it to be repaired within this time frame, we will repair or exchange any defective or damaged unit at no cost to you. FAVI Entertainment will pay round trip shipping for warranty claims within the USA (excludes: HI, AK, APO, USA Territories, and international orders)

After 45 days has passed, your RioHD-LED-2 will then be covered under our parts warranty which is valid up to one year from the date of receipt. We will repair the unit, and bill you for a flat rate for labor and return shipping costs. You will not be billed for the cost of replacement parts.

FAQ's and other support information can be found at:

<http://www.favientertainment.com/help.asp>

Accessories

The following accessories are included with your projector:



Remote control



A/V cable



DC power adapter



Power cord



This user guide

Introduction

The RioHD-LED-2 uses new LED based lamp technology to provide a projector small and light enough to be carried with one hand, yet bright enough for most everyday uses. The RioHD-LED-2 is designed with a number of features at an affordable price such as:

- No warm up time: Plug in the projector, turn it on, and it begins projecting almost immediately.
- Small size: At just over 8 inches wide and weighing under 3 pounds, the RioHD-LED-2 is designed with portability in mind.
- Low power consumption: Uses only 60 watts of electricity.
- Long lamp life: The RioHD LED-2's LED based lamp is rated for a life of 20,000 hours.

We hope that you enjoy using your new FAVI projector, and that it fulfills your home theater or business presentation needs.

Safety instructions

Do not operate this projector in an environment where the temperature is above 104 °F. Doing so could damage your projector and void your warranty.

Do not expose this projector, or its power supply to liquids. If the projector’s casing becomes dirty, use a damp soft cloth or paper towel to clean it.

While the projector is operating, do not look directly into the lens. Doing so could damage your eyes.

This projector should be placed on a stable surface prior to being operated.

This projector needs adequate ventilation in order to operate properly. Inadequate ventilation will cause the projector to overheat and shut down. Excessive overheating could damage the projector’s internal optics.

Please unplug the projector from its power supply before cleaning it.

If you do not plan to use your projector for an extended period of time, or if an electrical storm develops, please unplug the projector. An electrical surge could damage your projector’s power supply.

Specifications

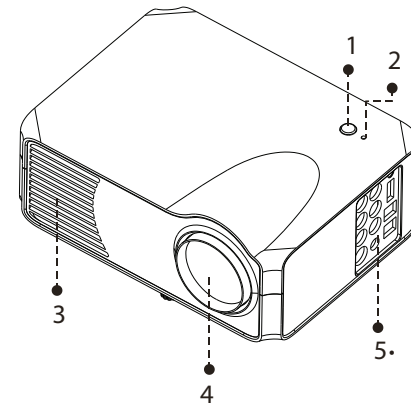
LCD	3.2” TFT LCD panel
LCD native resolution	640x480
Supported resolutions	640x480 up to 1920x1080
Video inputs	HDMI, VGA, Component (Y/Pb/Pr), S-Video, and Composite video.
Audio inputs	HDMI audio, and stereo line input jacks.
LED lamp power	50 watts
LED lamp life	20,000 hours
Projected image size	24 to 120 inches
Power consumption	60 watts
External power supply	19 V DC 3.7 Amps
Operating temperature	32 °F ~ 100 °F
Storage temperature	-4~140 ° F
Operating humidity	10~90%
Size	8.07x6.29x2.75 inches
Weight	2.75 lbs

Troubleshooting (continued)

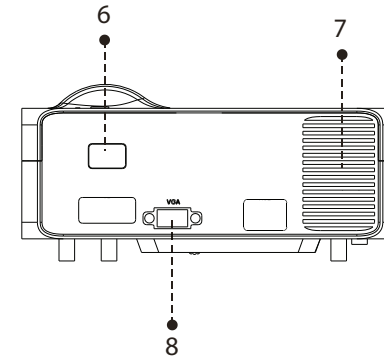
Problem:	Solution:
Small text is hard to read in VGA mode.	Set your desktop resolution to 800x600 or lower.
I can't get my desktop to appear in VGA mode.	To rule out connection issues, try shutting down your computer, and connecting the projector as the only display. Your computer should detect the projector. If you see your OS startup screen but not your desktop, your resolution or refresh rate may be set to an incompatible mode. If you are using a laptop, some laptops have a "Projector mode" that must be enabled before they will output to your projector. Other laptops have a key combination, usually FN+F5, that needs to be pressed in order to activate their external VGA port. If you are not sure, please contact the manufacturer of your laptop. If the LED-2 is not set to VGA mode, its VGA port will not be active.

Getting started

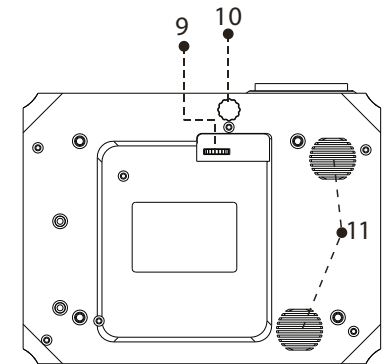
The following diagrams point out the features of your projector:



- 1: Power button
- 2: Indicator LED
- 3: Front ventilation slots
- 4: Lens
- 5: A/V and power input panel.



- 6: IR sensor
- 7: Rear ventilation slots
- 8: VGA input



- 9: Keystone adjustment wheel
- 10: Front height adjustment foot
- 11: Speakers

Powering on/off your projector

After plugging your projector in, press the power button on either the remote control, or the projector. To turn the projector off, press the power button again.

Selecting a video mode

Your projector is set to A/V mode by default. To use your projector in another video mode, you must set it to that mode. If for example you want to use your projector in VGA mode, you will need to set it to that mode. To change video modes, press the “Source” button on your remote to bring up the following menu in the upper right corner of your screen:

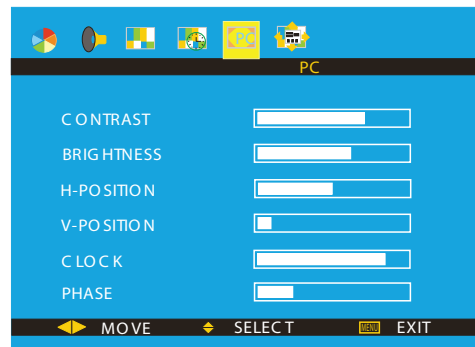


Here you can set your projector to the video mode you want to use. Use the arrow buttons on your remote control to highlight the mode you wish to select, then press the “OK” button on your remote to switch over to the mode you highlighted.

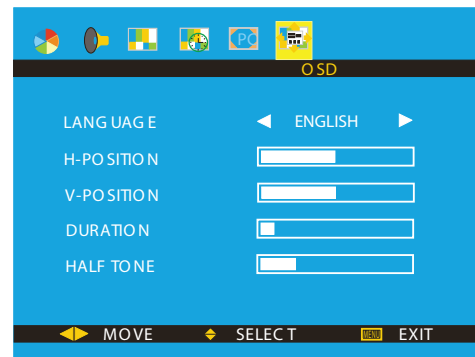
If you have any issues setting up or using your RioHD-LED-2, before contacting us please refer to the following troubleshooting guide:

Problem:	Solution:
Projector will not power on.	Make sure that the power supply is plugged in correctly. The power supply has a built in indicator LED which should glow when plugged in.
I have a video source connected, but the projector shows the “NO SYNC” screen.	Check your video source, and video connections. Check to make sure your projector is set to the correct video mode.
I can't get the projector to change from one video mode to another.	The MENU button in the middle of the navigation arrow buttons on your remote does not select video modes. After highlighting the video mode you want to select, press the “OK” button.
I connected my projector to my stereo with an adapter cable, and the sound is distorted.	Try setting the projector's volume to 50% or lower, and use your stereo's volume control to adjust the volume.

Menu settings (continued)



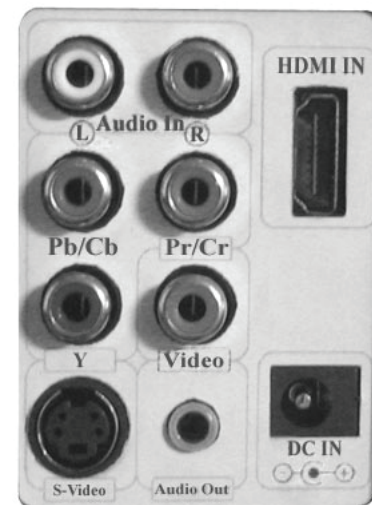
This menu screen is only available in the VGA video mode. When switching to VGA mode, the projector will automatically calibrate the image upon receiving a VGA signal. This menu screen allows you to adjust some of these calibration settings.



The OSD menu screen allows you to adjust the settings for the menu itself. The “LANGUAGE” setting will change the menu language from English to Chinese, German, French, Spanish, Italian, Portuguese, or Russian. The “H-POSITION”, and “V-POSITION” settings change the menu screen’s position. The “DURATION” setting changes how long the menu will stay on the screen without user input before automatically closing. The “HALFTONE” setting adjusts the transparency of the menu screen. The “MEMORY RECALL” setting will reset all the menu settings back to their factory defaults.

Getting started (continued)

Here is a picture of your projector’s A/V and power input panel. The connectors are all labeled, and are self explanatory.



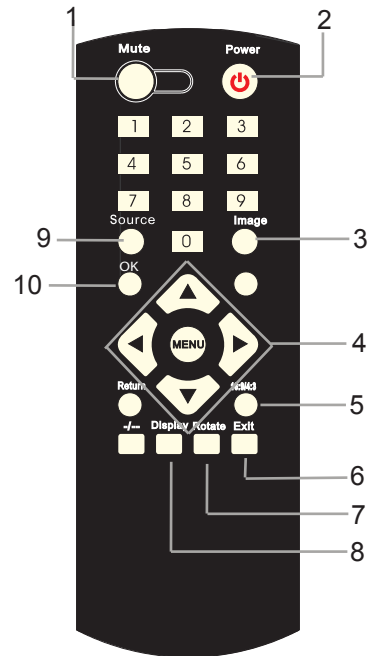
If you want the best possible image clarity, use the Component (Y/Pb/Pr) jacks, or the HDMI port. If you want to make use of the 16:9 downsampling, or you have a device that only supports Composite or S-Video, then you should use either the Composite (Video) jack, or the S-Video jack.

The stereo line audio jacks at the top of the panel are used by the Composite, Component, and S-Video jacks. The HDMI standard has audio integrated with the video. HDMI audio is independent of the line audio jacks.

The Audio Out jack allows you to connect your projector to either a pair of headphones, amplified computer speakers, or a stereo system. You may need a headphone adapter cable (not included) to connect your projector to a stereo system.

Getting started (continued)

The remote control that comes with your projector is also used for other models, some of which have different sets of features. The image below points out which buttons activate features on your projector.



1: Mute button.

2: Power button.

3: Image preset select button.

4: Menu, and navigation arrow buttons.

5: Aspect ratio selection button. (Not available in all modes)

6: Exits from any menu screen.

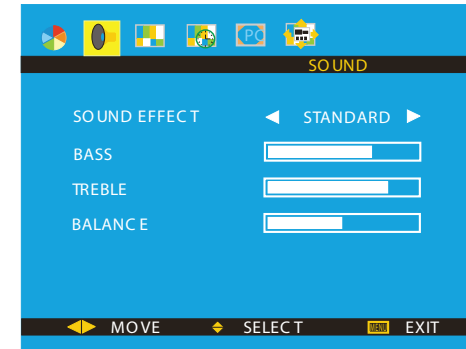
7: Image flip button.

8: Displays the current video mode the projector is set to.

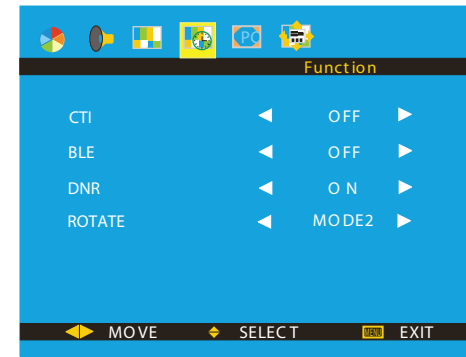
9: Brings up the video mode selection menu.

10: Selects the highlighted option in the video mode selection menu.

Menu settings (continued)



The sound menu screen allows you to adjust settings such as treble, bass, and balance. You can choose between several presets, or customize the audio settings to your liking.



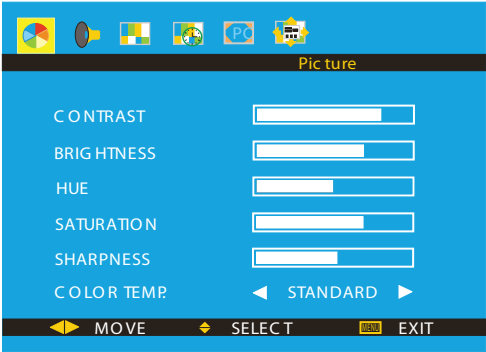
The function menu allows you to activate the advanced picture settings such as Color Transient Improvement (CTI), Black level extender (BLE), and digital noise reduction (DNR). You can also flip the projected image both horizontally and vertically.

Menu settings

Pressing the “MENU” button on the remote control will bring up the projector’s menu screen. The four arrow buttons around the “MENU” button are used to navigate through the menu. Use the left and right arrow buttons to select the menu screen you want. The up and down arrow buttons will select the feature that you want to adjust. The feature you select will be highlighted in the menu screen. Some features or menu screens may not be available depending on which video mode you have the projector set to.

After you have adjusted a setting, you can press the “MENU” button to return to the menu screen selection. Press the “MENU” button again to exit the menu.

This is what the picture menu screen looks like:



In this menu screen, you can adjust the brightness, contrast, hue, color saturation level, sharpness, and color temperature. The hue control may be unavailable in Component and HDMI mode. This is because Component and HDMI supports multiple video modes. The hue control is only available in NTSC modes.

Connecting a PC to your projector

There are several ways to connect your PC to your projector. The simplest method is to enable the TV out feature on your PC’s video card (if supported), and use either Composite, S-Video, or Component video cables. For PC’s that do not have a TV out feature, you can connect your PC to the projector’s built in VGA port located on the rear of the projector.

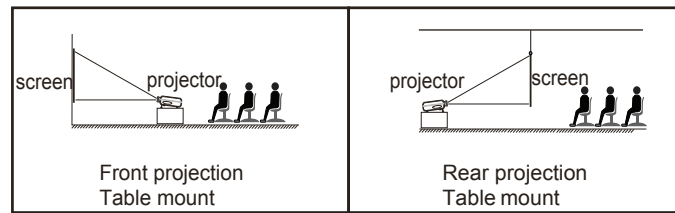
If your PC’s video card has a DVI or HDMI port, you can also use an HDMI cable to connect your PC to your projector’s HDMI port. For PC video cards that only have a DVI port, a DVI to HDMI adapter (not included) is also required.

Your projector supports a 60 hertz refresh rate. Higher refresh rates are not supported.

Recommended resolution settings:
640x480 800x600 1024x768
Supported resolutions: (Small text may appear blurred or unreadable at these resolutions)
1280x720 1280x960 1360x765 1600x900 1920x1080

Projector setup

The following diagram shows two examples of how your projector can be set up.



Your projector can also be attached to a ceiling mount. Remove the four rubber foot pads on the bottom of the projector to attach the projector's legs to the ceiling mount.

For the best image results, the projector should be directly facing the screen. Adjustments to the focus and keystone controls will help to improve the image quality.

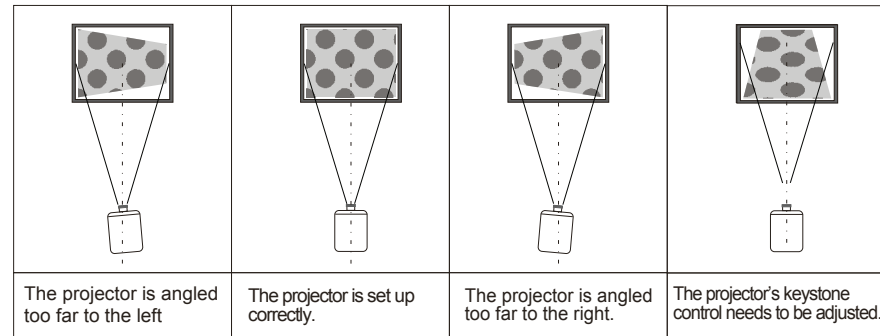


Image adjustment

Focus adjustment

Rotating the lens clockwise will make it retract into the projector, while rotating it counter clockwise will make it extend.

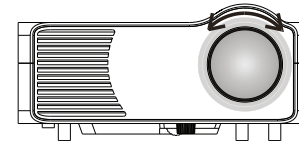


Image size

Image sizes are measured diagonally and have a 3% margin of error.

4:3 mode		16:9 mode	
Distance from screen	Projected image size	Distance from screen	Projected image size
70 inches	50 inches	74 inches	50 inches
82 inches	60 inches	88 inches	60 inches
96 inches	72 inches	104 inches	72 inches
140 inches	100 inches	148 inches	100 inches

Keystone correction

After setting up your projector and powering it on, the image may look trapezoid shaped even after the projector is properly positioned. You can adjust the keystone adjustment wheel to correct the image. The keystone adjustment wheel is located on the bottom of your projector. (Please see page 3) Gently move the wheel either left or right to adjust the keystone correction.

Front height foot adjustment

Rotating the front height adjustment foot counter clockwise will allow the foot to extend, and will raise the front height of the projector. The foot's maximum extension is 1.5 inches. Continuing to rotate it will remove the foot from the projector. If this happens, you can simply screw it back in. Once you have adjusted the front height, you may need to re-adjust the keystone correction.