



PRJ3D89

USER MANUAL

www.PyleAudio.com

Thank you for buying our product.

Warnings:

Please read this manual carefully so that you can understand and use the projector correctly. After reading, please save this manual for future reference.

Notice:

The specifications are subject to change without notice.

The manufacturer is not responsible for typographical errors, incorrect images, product descriptions and specifications.

About the brand:

VGA&XGA is the registered trademark of International Business Machines Corporation.

VESA&SVGA is the registered trademark of Video Electronics Standard Association.

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Accessories:

1. Remote Control
2. Power Cord (2 m)
3. Paired Composite, Analog Audio cable. (1.5 m)
4. Owner's Manual
5. Warranty Card
6. Batteries for Remote Control

Notice:

To project a clear image it might be necessary to adjust the contrast ratio, brightness, focus and keystone. The image may look blurry or skewed without these adjustments.

To lengthen the life of your projectors lamp the projector will lock out power commands during the first 3 minutes of use and for 5 minutes after the power off command.

Warning!

The projector lamp creates high temperatures; Avoid handling the projector lamp there is a risk of serious injury while hot.

Do not touch the lens/exhaust fan/intake during projector use, to limit risk of bodily injury and damage to the projector.

Do not obstruct the lens, exhaust fan and intake vents.

The internal of projector contains high voltages; to reduce the risk of electrical shock, do not remove the cover. No user serviceable parts inside. Refer servicing to qualified service personnel.

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Chapter 1 Preparation

Section 1 Set Up

Setting

There are two methods to project this projector, please choose the best method base on the condition of the place.

1. Table top: Place projector on table or shelf keeping the projector in line with the screen.
2. Suspended: Hang the projector from the ceiling with appropriate ceiling mount.

Notice:

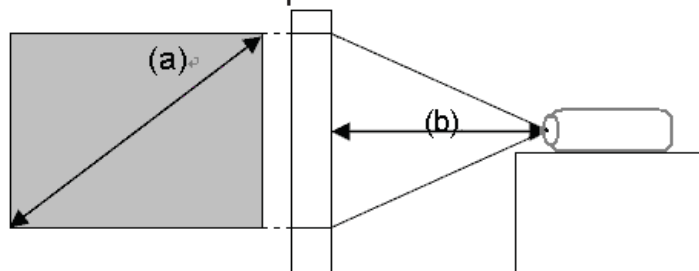
You need to use a projector ceiling mount if you want to suspend the projector from the ceiling.

The Size of Projection Screen and the Distance of Projection

Please refer to the diagram to confirm the size of picture and the distance of projection.

(a) Size of screen

(b) Projector and screen ($\pm 5\%$).



Diagonal screen size (Inch)	Screen ratio 4:3/16:9	Diagonal screen size[Inch(m)]	Screen ratio 4:3/16:9
	Projection Distance [inch]($\pm 5\%$)		Projection Distance [inch]($\pm 5\%$)
60	78.8/82.7	120	152.0/159.4
72	93.7/99.2	130	163.8/171.3
84	108.3/114.2	140	175.2/185.0
90	115.0/120.1	150	190.6/196.9
100	126.8/133.1	160	202.4/207.9

Section 2 Connecting Devices

Connecting a computer

Please turn off the power of the projector and signal before connecting a VGA source while the power is on may result in operational errors.

Please confirm the type of connector fits the input on the projector, the projector can be damaged if the wrong connector is inserted.

Set projector to the “VGA” by using the button “PC/ AV”.

Refer to the VGA source manual to configure the source resolution and frequency.

Connecting Audio Video Sources

Connect audio and video output sources to the corresponding input connections located on the side of the projector.



Notice:

To select the AV source use the mode button on supplied remote or press the PC/AV button located on the top of the projector until AV is select.

Video output and left/right audio output of signal source should connect with corresponding input ports located on the side of the projector.

Section 3 Using the remote control

Inserting batteries

1. Remove the rear cover
2. Load the batteries as indicated by the marks in the battery compartment .
3. Put the rear cover back on

Notice:

The Infrared portion of the remote control should point to the remote sensor of the projector for proper remote control operation.

The range of the remote sensor is 18'±5% feet with a 30±10% degree range.

Notice:

Do not drop or expose the remote control to physical impact.

Do not get the remote control wet or place it on wet objects.

Remove the batteries from the remote control and store them in a safe place if you will not be using the remote control for an extended period.

Remote control show below as the picture:

-POWER:

-Press this button to turn on the set. Press again to enter the standby mode.

- MUTE:

-Press this button to silence the sound system. Press again to activate it.

-Numeric Keys (0~9):

-Press these buttons to select the TV channel.

-MENU:

-Access the main menu of the projector or exit the current item.

-IMAGE:

-Select the best display between Bright / Normal / Soft / Optional.

-MODE:

-Select the signal input Video/S-video/VGA.

-OK:

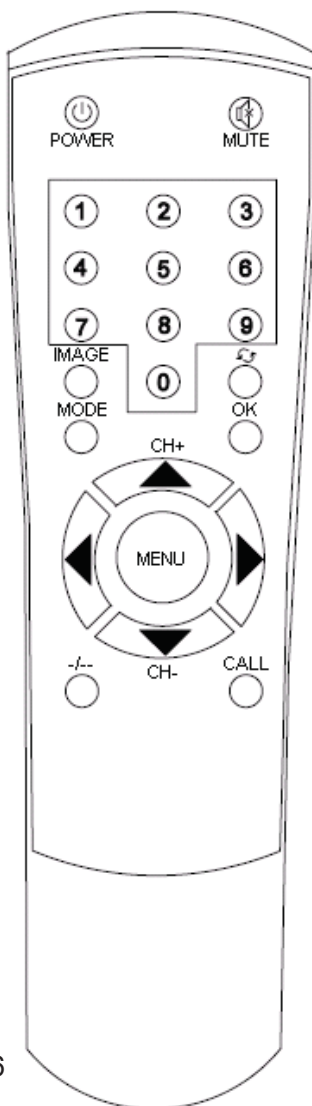
-Image vertical flip.

-:

- Press this button to jump between two channels.

- CH(+/-):

Change channels sequentially up or down in viewing mode



and move to the next higher or lower item in the menu.



-Press these buttons to increase or decrease the sound volume level and directly choose the item in the menu.

--/--:

-Select the channel rapidly.

-Call:

-Press this button to view the current signal input and current channel number.

Chapter 2 Basic Operation

Section 1 Turning on the Projector

1. Make sure that power of the projector and all equipment connecting with the projector is not on.
2. Connect a video source to the projector.
3. Remove the lens cover.
4. Connect the projector to an electrical outlet using the supplied power cable.
5. Turn on hard power switch located on the back of the projector.
6. When the projector is turned on, the indicator light turns red to orange

Press the POWER button on the projector or the STANDBY/ON button on the remote control, The indicator light will turn green indicating that the projector is working normally.(If no sources have been connected to the projector the indicator light will stay red.)

Notice:

If there is no image displayed, check all connections and input setting.

Section 2 Turning off the Projector

1. Turn off the power of the video source equipment, which is connected to the projector.
2. Press the POWER button on the projector or STANDBY/ON button on the remote control.
3. The projector lamp will turn off ,the exhaust fan will continue to run for up to 3 minutes in order to cool the projector lamp and extend lamp life. when the exhaust fan turns off it is safe to remove the power cable.
4. Place lens cap over lens.

Section 3 Picture Adjustment

Adjusting Picture size

The picture size is a variable based on the distance between projector and screen. You can get the best image by adjusting the distance between projector and screen.

Please refer to form (1)

Adjusting the Keystone

You can adjust the projector degree to proper degree by adjusting the keystone. To reduce distortion, align the projector to the center of the screen as close as you can. Degree offsets of 30 degrees off the center point of the screen can cause visual distortion.

Section 4 Adjusting Picture Quality

Adjusting the focus

Grasp the metal portion of the lens and rotate in either direction until the image is clear and sharp.

Notice:

If the projector distance is out of range, the projector will be not able to focus. If it is hard to get correct focus, please confirm the distance of projector from the screen.

Chapter 3 Advance Operation

Notice:

Under the situation of menu off, Press the “PC/AV” button of projector or remote control to choose the signal of one of the AV /S-VIDEO /YPbPr /VGA /HDMI .

Section 1 Input Menu

Signal: press “PC/AV” button to get “PROGRAM” menu.

AV	Video input
S-VIDEO	S-Video input
YPbPr	YPbPr input
VGA	Computer
HDMI	HDMI input

Operation

Press “PC/AV” button on the control board/remote control, you can choose what you need such as AV/S-VIDEO/YPbPr/VGA/HDMI.

Section 2 Contrast Ratio

Operation

1. Press “MENU” button on the control board, it will show “menu function window” on the screen.
2. Press [↑] button or [↓] button, move cursor to “Picture”.
3. Press [→] button to enter “Picture” menu function.
4. Press [↑] button or [↓] button, move cursor to “CONTRAST”.

5. Press [→] button or [←] button, adjust picture's contrast.
6. Press [MENU] button twice to turn back to "menu function window"

Section 3 Brightness

Operation

1. Press "MENU" button on the control board, it will show "menu function window" on the screen.
2. Press [↑] button or [↓] button, move cursor to "Picture".
3. Press [→] button to enter "Picture" menu function.
4. Press [↑] button or [↓] button, move cursor to "BRIGHTNESS".
5. Press [→] button or [←] button, adjust picture's brightness.
6. Press [MENU] button twice to turn back to "menu function window"

Section 4 Color

Operation

1. Press "MENU" button on the control board, it will show "menu function window" on the screen.
2. Press [↑] button or [↓] button, move cursor to "Picture".
3. Press [→] button to enter "picture" menu function.
4. Press [↑] button or [↓] button, move cursor to "SATURATION".
5. Press [→] button or [←] button, adjust picture's color.
6. Press [MENU] button twice to turn back to "menu function window"

Section 5 Tint

Operation (NTSC use only)

1. Press "MENU" button on the control board, it will show "menu function window" on the screen.
2. Press [↑] button or [↓] button, move cursor to "Picture".
3. Press [→] button to enter "picture" menu function.
4. Press [↑] button or [↓] button, move cursor to "HUE".
5. Press [→] button or [←] button, adjust picture's tint.
6. Press [MENU] button twice to turn back to "menu function window"

Section 6 Sharpness

Operation

1. Press “MENU” button on the control board, it will show “menu function window” on the screen.
2. Press [↑] button or [↓] button, move cursor to “Picture”.
3. Press [→] button to enter “picture” menu function.
4. Press [↑] button or [↓] button, move cursor to “SHARPNESS”.
5. Press [→] button or [←] button, adjust picture’s sharpness.
6. Press [MENU] button twice to turn back to “menu function window”

Section 7 Language

Operation

1. Press “MENU” button on the control board, it will show “menu function window” on the screen.
2. Press [→] button to enter “OSD” menu function.
3. Press [↑] button or [↓] button, move cursor to “language”.
4. Press [→] button or [←] button, adjust picture’s language.
5. Press [MENU] button twice to turn back to “menu function window”.

Section 8 Transparence

Operation

1. Press “MENU” button on the control board, it will show “menu function window” on the screen.
2. Press [→] button to enter “OSD” menu function.
3. Press [↑] button or [↓] button, move cursor to “HALFTONE”.
4. Press [→] button or [←] button, adjust picture’s transparence.
5. Press [MENU] button twice to turn back to “menu function window”

Section 9 Vertical / Horizontal flip

Operation

1. Press “MENU” button on the control board, it will show “menu function window” on the screen.
2. Press [→] button to enter “OSD” menu function.

3. Press [↑] button or [↓] button, move cursor to “PICTURE SWAP”
4. Press [→] button or [←] button, choose appointed function.
5. Press [MENU] button twice to turn back to “menu function window”.

Section 10 Reset to Default Settings

Operation

1. Press “MENU” button on the control board, it will show “menu function window” on the screen.
2. Press [→] button to enter “FUNCTION” menu function.
3. Press [↑] button or [↓] button, move cursor to “MEMORY RECALL”
4. Press [→] button or [←] button, choose appointed function.
5. Press [MENU] button twice to turn back to “menu function window”.

Section 11 VGA Input Adjusting

Make sure that VGA signal connection is ok, than follow “section 1 input menu” to enter VGA mode, you can operate as below.

1. Picture and setting option

The adjusting method of Brightness, contrast, color, language and vision mode is the same as adjusting under VIDEO signal. Please refer to section 1 to section 10 of this chapter.

2. Picture’s location

Operation

1. Press “MENU” button on the control board, it will show “menu function window” on the screen.
2. Press [↑] button or [↓] button, move cursor to “PC”.
3. Press [→] button to enter “PC” menu function.
4. Press [↑] button or [↓] button, move cursor to “picture’s location”.
5. Press [→] button, enter the adjusting of “picture’s location”.
6. Press [↑] [↓] [←] [→] button to adjust picture’s position up/down/left/right.
7. Press [MENU] button twice to turn back to “menu function window”.

Section 12 Zoom

This function can adjust the size of the image “Zoom” menu is divided 9 grades, you can choose the right grade to gain the best size (The grade 9 is 16:9 screen).

Operation

1. Press “MENU” button on the control board, it will show “menu function window” on the screen.
2. Press [→] button to enter “FUNCTION” menu function.
3. Press [↑] button or [↓] button, move cursor to “ZOOM”,
4. Press [→] button or [←] button, choose ZOOM ratio.
5. Press [MENU] button twice to turn back to “menu function window”.

Notice:

This function can be only used in VIDEO, S-VIDEO mode. The operation in the VGA mode is not active.

Chapter 4 Appendix

Section 1 Troubleshooting

1. No Image. (power off)

- Take off lens cap or not.
- Projector is in bulb protect mode for 5 minutes after powering off. The projector will not turn back on until the blub is cool.
- Brightness level too low.
- The input picture is all black or not. Some times the input picture is all black because of screen protect.
- Bulb not set properly in receptacle. Reset bulb

2. Projector can not project (show signal)

- Please verify that the image source is working.
- Please check the cable between signal source and projector is connected or not.
- Verify the Input settings match signal of the input port.

3. Blurry image

- Adjust the focus if image is blurry.
- The projection angle is too large or distance is too long.
- Inspect lens for dust or debris.

4. The image is too big or too small.

- Verify source resolution.

Please keep setting of computer output signal and projector's consistent. We suggest that you set resolution and frequency to 640×480 and 60HZ.

5. Picture color

- Verify the correct connection of the source connection.
- Adjust the brightness and contrast ratio.
- Time to change lamp?

The image will become dark before you need to replace the blub.

6. Can not use remote control for operation

- Does it have batteries? Is polarity correct or not. Is power weak?
- Do operate the remote control by correct orientation?

Range of operation degree: follow $30\pm 10\%$ degree of projector's front.

- Put the front of remote control to projector for operation?
- Is the distance to projector too far?

Operation distance is $5.5\pm 5\%$ meters.

- Is remote sensor affected by strong light from sunshine or fluorescent lamp?

Remote sensor can be disabled by strong light.

7. Distinguish the indicator light

Power Light	Content
Bright red	Power on and is on working No image, no signal, need switch the signal.
Red	Alarm signal (indicate it will be power off), turn off after power off. Turn on it when it gets cool.
Green	It is on working Press “power” button to sleep Signal stopping
Green to red	It is switching the signal Power off
Red to green	Press “power” button to power on Restore the former signal

Section 2 Maintenance

Lens cleaning

Please lightly wipe lens with Microfiber cloth.

Replace the consumed parts

We will hereby instruct how to replace the lamp.

Time of replacement

This product is not designed for continuous use. In the case of continuous use, the lamp's lifetime will shorten. Please replace the lamp when you meet these problems.

- The lamp burn out, but other parts are normal.
- The image becomes darker or unclear.

Note:

- If above phenomenon has occurred, we suggest you replace the old lamp as soon as possible.

Replacement

Operation:

1. Before replacing the lamp, turn the projector off and unplug the power cord, and then wait at least 45 minutes for the lamp to cool sufficiently.
2. Turn it over, and put it on the projector, loose the 4 screws of the cover of lamp garage, then open it.
3. Loose the 3 screws fixed inside cover, then lift the cover forward and pick it up.
4. You can see the bulb is blocked in the white lamp stand, push one of bulb's end lightly and take it out. (The protruding in the stand blocks the bulb). Do not loosen the fixed screws on the stand. Prevent the bulb deviating from the centre.
5. After picking the old lamp out, you can put the new one's end into the white stand and push it lightly into the stand.
6. Back to the 3rd and 2nd step, and tweak the fixed screws. At last, put the projector over.
7. When you insert the lamp into the stand, please keep the vent of the lamp forward.

Section 3 Specifications

Notice: The specifications are subject to change without notice.

Item		Specification
Product Name		PRJ3D89
Liquid Crystal	Panel Size	5" (Diag)
	Drive System	TFT LCD
	Aspect	4 : 3 or 16 : 9
	Resolution	HD 1080P; 1080i; 720P; 720i; 480P; 480i
Lens		Manual Focus
Lamp		LED
Contrast		1,300:1
Brightness		2200 ANSI Lumens
Color Depth		TrueColor 16.7 Million colors
Speakers		Power Amplified Stereo Speakers
Noise		25dB - 50dB
Power Supply		AC 90-120V 60HZ, 2A
Power Consumption		225W±10%
Temperature Range		5°C-35°C
Size		13.19 (L) x 10.43(W) x 4.92 (H) inch
Weight		7.27 ± .44 Lbs
Ports	Audio Input	1 RCA Stereo input, 1 RCA Stereo output
	Video Input	1x HDMI (1080P, 1080i, 720P, 720i, 480P, 480i)
		1x Component, 1x Composite, 1x S-Video, 1x VGA
Optional Accessories		
		Projector Mount
		HD Ready Screen
		AV Connecting Cables