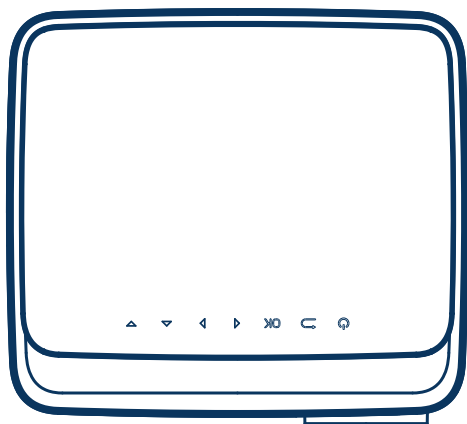


DBPOWER

FULL HD 1080P PROJECTOR RD-828

USER MANUAL




Power Your Life

A Big Thank You

Thank you for choosing Full HD 1080P PROJECTOR RD-828 and becoming our valued customer. At DBPOWER, we're committed to providing you with products that enhance your daily life. Happy customers make us proud and we hope that this product will bring you the most convenient and enjoyable experience. If you have any questions or feedback on your new product, just contact our customer support team at 1-855-888-5533, or via email at support@dbpowershop.com

Enjoy your new product!

 support@dbpowershop.com

 1-855-888-5533

FCC STATEMENT

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.

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:

- Reorient or relocate the receiving antenna.
- Reorient or relocate the receiving antenna.
- Reorient or relocate the receiving antenna.
- Consult the dealer or an experienced radio/TV technician for help important announcement Important .

RADIATION EXPOSURE STATEMENT

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 and your body.

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

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IMPORTANT SAFEGUARDS

Read the instruction manual carefully before using your RD-828 and save it for future reference.

Installation

- To get the best watching experience, use your projector in a darkened room.
- Please use the projector carefully, dropping or crashing may damage its internal components.

Power

- Be careful while using the power cord, avoid excessive bending; the damage of power cable may cause electric shock and fire.
- Unplug the power cord if the projector is powered off and not in use.

Cleaning

- Unplug the power cord.
- Clean the outer surface of the projector regularly with a damp cloth. Neutral detergent can be used.
- Please wipe the lens down with the microfiber cloth to prevent scratches.
- Please clean projector's vents and speakers regularly by banister brush.

Attention! High Temperature

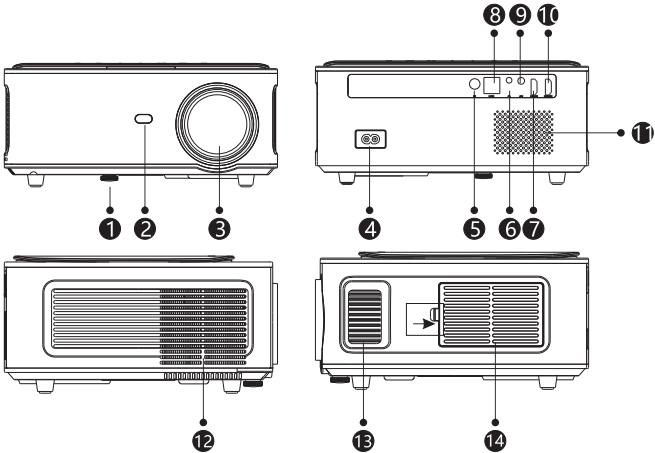
- Avoid touching the projector ventilation (inlet) if the appliance is in use or was in use recently to prevent burns and scalds.
- Please do not look into the lens directly while the projector is turned on, it may cause damage to your eyes.

***Tips**

- Please do not disassemble the projector by yourself, otherwise it will void your warranty.
- Please keep the projector away from water or any other liquid as it is not waterproof.
- Please do not put the projector in wet or moist conditions to prevent electric shock.
- To ensure the stability of heat dissipation, please adjust tilt foot of the projector before starting.

PROJECTOR SCHEME

The projector can display Full HD video signal, composite video signal, and supports stereo audio signal input and output. Please refer to the following figure to connect the projector and other audio equipment correctly.



1. Adjustable Tilt Foot

2. IR Remote Sensor

3. Projection Lens

4. AC Input

5. IR Remote Sensor

6. 3.5mm Jack audio output

7. HDMI 1 port

8. USB port

9. AV port

10. HDMI2 port

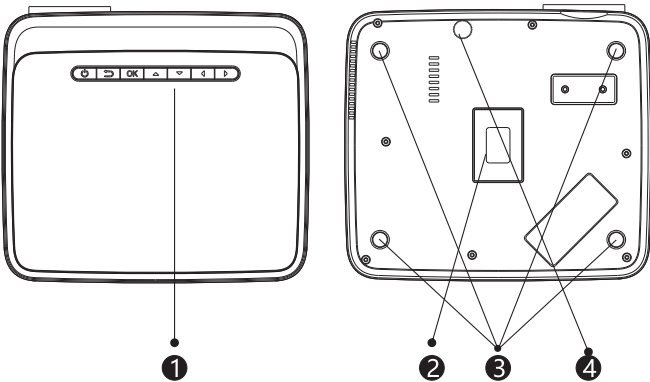
11. Speaker

12. Ventilation Outlet

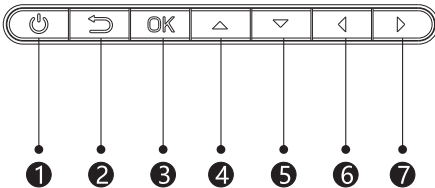
13. Focus Ring

14. Air Filter

PROJECTOR SCHEME

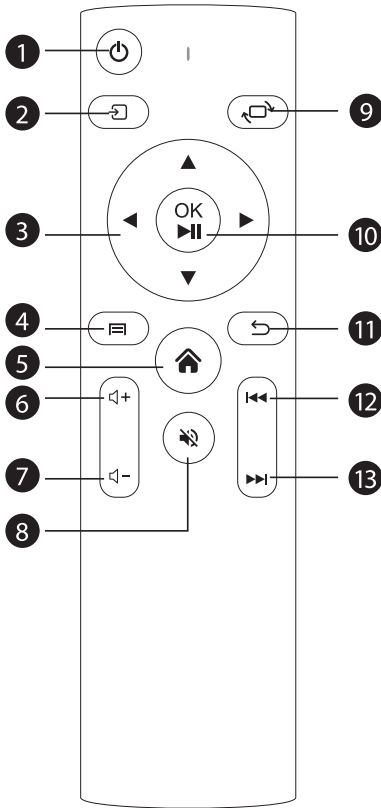


1. External Control Panel
2. Rating Label
3. Projector Mounting Holes
4. Adjustable Tilt Foot



1. Power On
2. Exit Key
3. OK (Enter)
4. Up
5. Down
6. Left
7. Right

REMOTE CONTROL



1. Power
2. Source
3. Direction Buttons
4. Menu
5. Home page
6. Volume +
7. Volume -
8. Mute
9. Flip
10. Direction Buttons (Play and Pause)
11. Return
12. Previous
13. Next

PROJECTOR INSTALLATION

Standard Setting

Please refer to the following table to adjust your picture size and distance (a projector's distance from the lens to the screen surface).

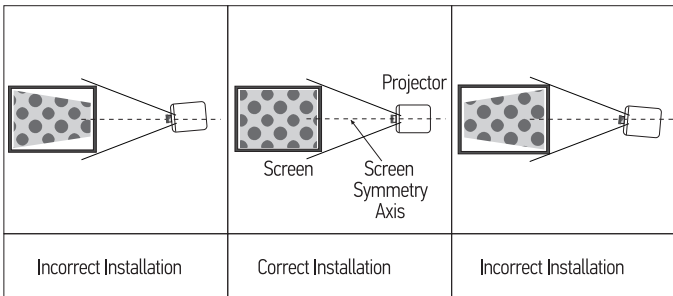
Aspect Ratio: 16:9	
Distance(ft.)	Screen Size
5.50	50"
7.80	70"
10.8	100"
13.0	120"
16.4	150"

The recommended projection distance is about 10.8ft, the shortest projection distance is 5.5ft.

The image size depends on the distance between projector and screen, there maybe 3% deviation among listed data. Different settings cause various distances.

Warning:

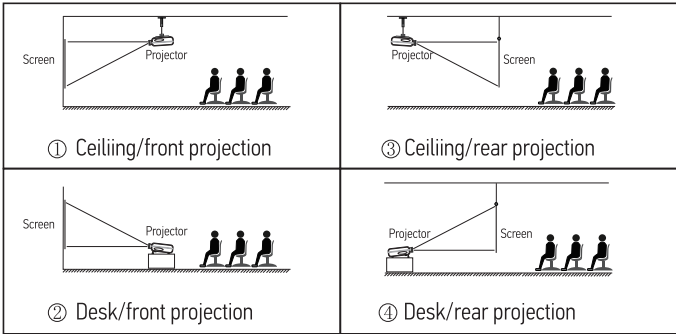
Ensure that the projector is square to the screen. If the image is displayed as a trapezoid shape-then refer to the diagram below for proper adjustment.



PROJECTOR INSTALLATION

Installation Method

The projector can be hung on the ceiling with special hanger frame, and placed on the stable desk to project the image according to the operating environment and requirement. In addition, the projector can be installed as following methods:

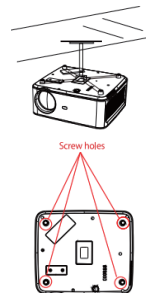


Install on the ceiling

- Contact a professional installer for the projector ceiling mounting;
- Please ensure that the screws used for ceiling mounting are of high quality and the length is enough to prevent the projector from falling;
- Please purchase a universal projector ceiling mount;
- Remove the four rubber pads on the bottom of the projector, you will see the screw holes and use the M5*11 mm screws for installing the ceiling, and then install it.

Warning:

- The projector may be damaged beyond repair if it is incorrectly mounted on a ceiling or on a surface.
- The recommended ambient temperature range is 41 °F - 95 °F. The incorrect temperature may lead to the device malfunction.
- Please do not place the projector in wet, moist, or dusty conditions to prevent electric shock or malfunction.
- Poor ventilation can be a significant cause of overheating. It could cause a projector to be damaged.



STARTING PROJECTOR

1. Press the power key on the remote or projector, the indicator light will turn blue;
2. Adjust the focus ring on the left side of the projector to get the best image performance; (If it is still blurry, please try to adjust the projection distance)
3. Use the 4D keystone function of the projector to get a rectangle projection screen;
4. Connect the external device (Smart phone, iPad, Amazon Fire TV, TV box, DVD player, Computer, etc.) in the corresponding interfaces of the projector, please be sure to select the corresponding source. If you do not select the correct source, the projector will not be able to detect the signal;
5. Select the “⊗” menu, enter the [Other Setting], then you can select the option [Language Setting] to set your preferred language.

FOCUS ADJUSTMENT

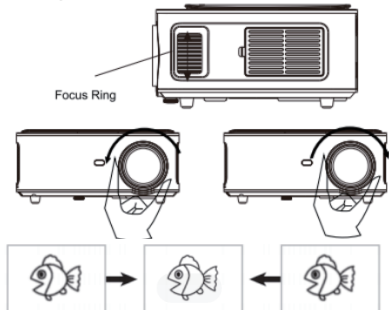
FOCUSING

When using the projector at the first time, it normally displays an unclear image. This is due to the lens being out of focus or the incorrect trapezoid setting. Please follow below to correct.

1. Focus Adjustment (Make sure the projector is horizontal to the projector screen and rotate the focus ring to sharpen the projected image)

Rotate the focus ring or lens slowly, at the same time, check the focus point carefully. The best focus point for the lens would be where the image most clear.

Note: If it is still blurry, please try to adjust the projection distance.



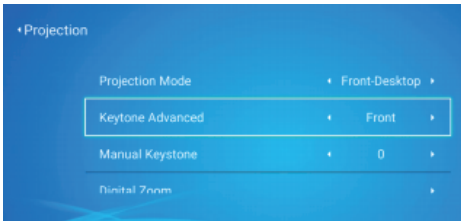
2. Digital 4D Keystone Correction

Use the digital 4D keystone correction of the projector to change the image to be rectangle (vertical and horizontal)

KEYSTONE ADVANCED & 4 POINT KEYSTONE

Vertical Keystone Correction

Step 1: Select the [Front] option in the [Keystone Advanced] menu, then press the button to enter the [Manual Keystone] menu.



Step2: If the projection image shows as below (1), press the button on the remote or projector to increase the vertical parameter(-50-0) until to achieve the projection image (2).

Step3: If the projection image shows as below (3), then press the button on the remote or projector and decrease the vertical parameter(0-50), until to achieve the projection image(4).

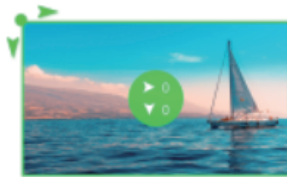
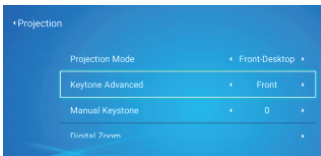


Horizontal & Vertical Keystone Correction

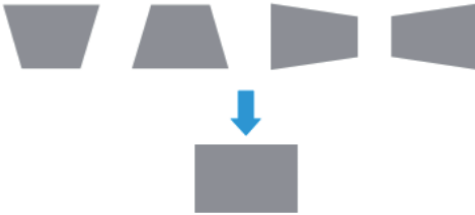
When the projection screen image is not rectangular, it can be adjusted by 4-point keystone correction.

Step1: Select the [Side] option in the [Keystone Advanced] menu;

Step2: Press the button to select the [4-Point Keystone] menu, then press the [OK] button the enter the sub-menu.



Step3: Keep pressing the OK button on the remote control or projector to select the point.
Step4: Press the arrow keys on the remote or projector to adjust the horizontal or vertical parameters, until the projection screen becomes the desired rectangle.



OK Pick point : Keep pressing the OK button on the remote control or the projector, until the positioning icon appears at the point desired, then release the button immediately.

<↔> Adjustment : Press the arrow keys on the remote control or projector to adjust the Horizontal or Vertical parameters.

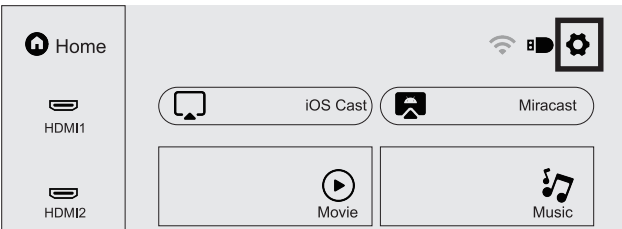
↶ Back : Press the keys on the remote control to back to home page.

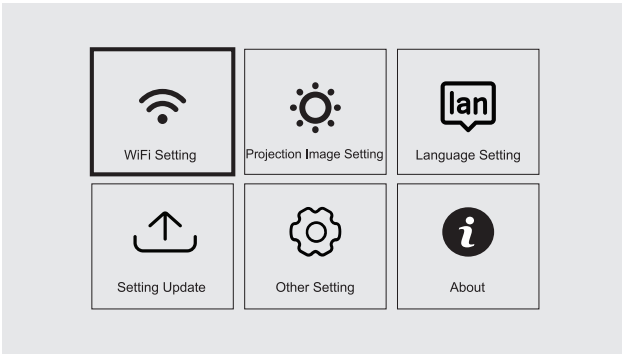
☰ Reset : Press the keys on the remote control to restore the original parameters.

INTERFACE OPERATING INSTRUCTIONS

How to Connect to WiFi

Select the "Settings" icon in the upper-right corner of the main interface, press the "OK" key on the remote control to enter the settings interface, and select the "WiFi Setting" sub-menu. Select the WiFi you want to connect to in the list below. Enter the password to complete the connection.





◀ WiFi Setting

WIFI ON/OFF



GZRIGAL-C

TP

BMW

Warm Tips :

1. The fluency of screen mirroring with wireless connection will be affected by the network environment. A bandwidth of 100Mbit or more is recommended when using screen mirroring.
2. Make sure your mobile device is close to the projector when using wireless connection. A distance within 1 meter is recommended.
3. Some mobile devices may not support screen mirroring due to the compatibility.

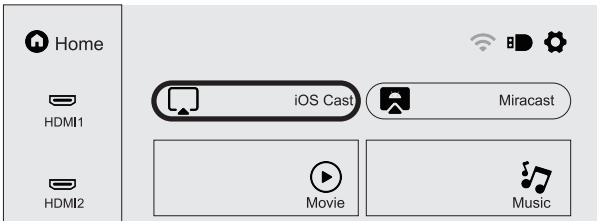
INTERFACE OPERATING INSTRUCTIONS

How to Use iOS Cast (Apple device)

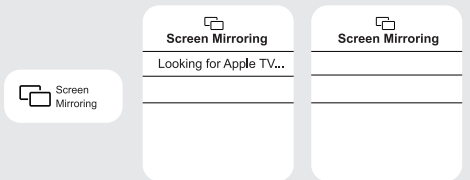
Select "iOS Cast" in the main interface, press the "OK" key on the remote control to enter the setting interface.

Note: The projector should be connected to the Internet, otherwise the iOS Cast is not available. You need to upgrade the projector while using it for the first time.

1. The iOS device and the projector are connected to the same network;
2. Open the iOS device control center and select "Screen mirroring";
3. Choose the corresponding projector name.



Make sure that your iOS device is connected to the same network as your Prjector



1. On your iOS device, open Control Center and tap Screen Mirroring.

2. Looking for devices that can be mirrored on.

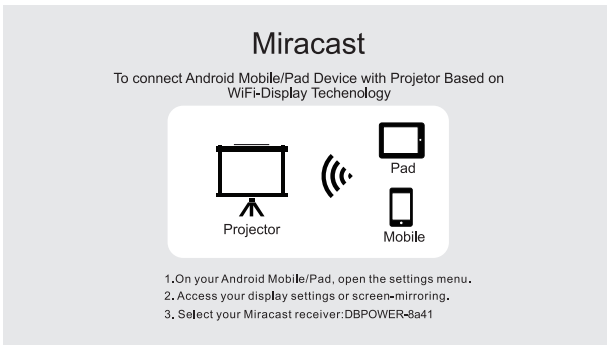
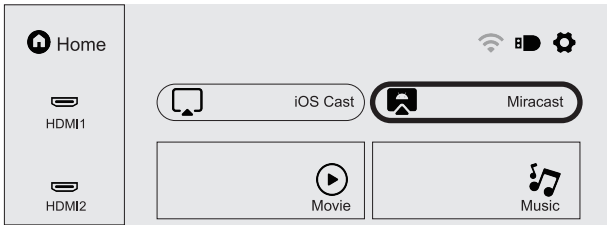
3. Select DBPOWER-496d from the list

INTERFACE OPERATING INSTRUCTIONS

How to Use Miracast (Android device)

Select "Miracast" in the main interface, press the "OK" key on the remote control to enter the setting interface.

1. Connect the Android device to WiFi (the Android device and the projector are connected to the same network).
2. Turn the Android device "Wireless Display" function on.
3. Choose the corresponding projector name.
4. Note, when Miracast is enabled on the projector, DLNA is disabled



INTERFACE OPERATING INSTRUCTIONS

How to Adjust the Projected Image

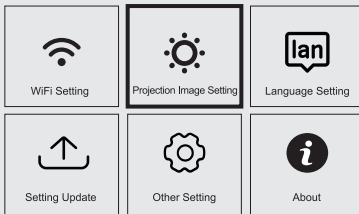
Select the "Settings" icon in the upper-right corner of the main interface, press the "OK" key on the remote control to enter the settings interface, and select the "Projection Image Setting" sub-menu.

Select the setting row you need.

Manual Keystone: 4-point Keystone

Projection mode: Front-Desktop / Rear-Desktop / Front-Ceiling / Rear-Ceiling

Digital Zoom: 50%-100%



◀ Projection



Digital Zoom

Step 1: Select the [Digital Zoom] option and press the OK button to enter the sub-menu.

Step 2: By pressing the button on the remote control or projector, you can reduce the height and width of projection size up to 50%.

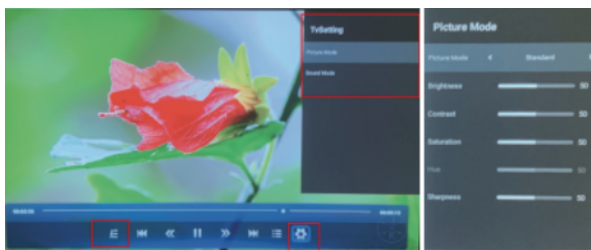
INTERFACE OPERATING INSTRUCTIONS

Play Movie/Music/Photo/Office Suite in the USB Disk Input Mode

- 1.Input the USB disk, select [USB] on the homepage and enter;
- 2.Select the option [Movie/Music/Photo/Office]
- 3.Select the desired file(or folder to enter the sub-folder) in the USB disk, then press the [OK] button to play it.



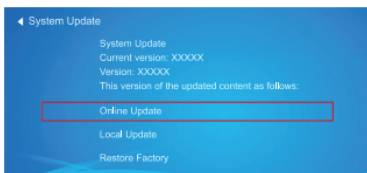
Play Interface



Menu	Function
	Select play mode (directory play/single cycle/directory loop)
	Switch to the previous video
	Fast Backward,rewinds the video back quickly while playing it. The rewinding speed ranges from 2X to 32X
	Play or pause the current videot
	Fast Forward, pushes the video to move forward quickly while playing it. The forward speed ranges from 2X to 16X
	Switch to the next video
	Select all playlists in the current folder
	TV Setting

INTERFACE OPERATING INSTRUCTIONS

System Update

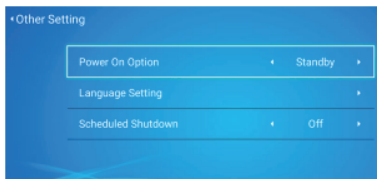


Menu	Function
Online Update	Online update
Local Update	Local update
Restore Factory	Restore user operation application configuration and system setting

About

Menu	Content
System Version	V1.0.0.0.2020-08-27
MAC Address	Ac:5d:5c:c5:d9:83

Other Setting



Menu	Function
Power On Option	Direct/Standby
Language Setting	Set up the language
Scheduled Shutdown	10min/20min/30min/60min/120min

About the Direct/Standby Power On Option

Direct Mode: When the projector is powered on, the power will be automatically turned on.

Standby Mode: When the projector is powered on, you need to press the button on the remote or projector to turn on the projector.

SINGLE LINES CONNECTION

DBPOWER RD828 projector has 6 interfaces, HDMI ports*2/USB ports*2/3.5mm headphone output/AV output. Please select the correct connecting port to connect your device(PC, Phone, DVD Player, Sound bar, USB, PS4, etc.)



1.Connect the USB Disk

- 1)Insert the U disk into either of two usb input ports;
- 2)You can directly enter the start-up screen on the home page, select the option[Movie/Music/Photo/Office Suite]
- 3)Select the desired file (or folder to enter the sub folder) in the USB disk, then press the [OK] button to play it.

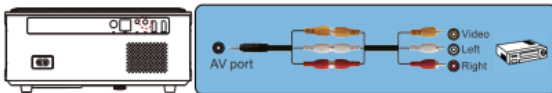
2.Connect the Devices via the HDMI ports

- 1)Connect your TV stick or laptop to any HDMI port of the projector;
- 2)Enter the home page to select the corresponding HDMI 1 or HDMI 2 as the signal source.

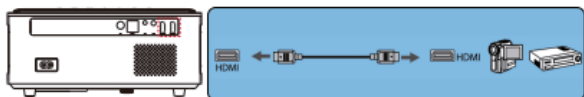
3.Connect to the DVD Player

Use the 3-in-1 AV cable in the package.

- 1)Turn on your DVD player and the projector;
- 2)Connect the colorful female connectors to your DVD player's RCA cable with 3-in-1 AV cable in the package.
- 3)Connect the black connectors to AV port of the projector, enter the home page to select [AV] as the signal source.

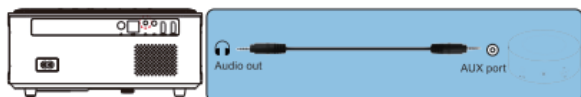


Or open the DVD Player with the HDMI cable in the package.



4.Connect to the Sound bar/Speaker

If your speaker has AUX port, please use your 3.5mm audio cable connect the projector and your speaker as the picture shows, enter the home page to select [AV] as the signal source.



SUPPORTED MULTIMEDIA FILE FORMATS

Video Format: 3GP/AVI/FLV/MP4/MPG/VOB/TS/M2TS/DAT/MKV

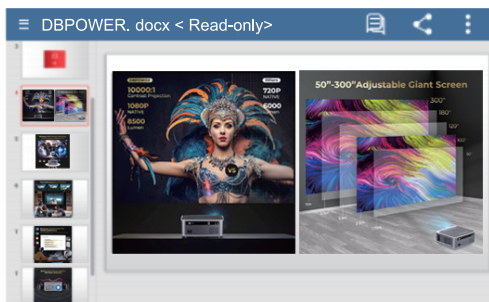
Audio Format: MP3/APE/AAC/FLAC/OGG/WAV/WMA/MID/DTS/M4A

Image Format: BMP/JPG/PNG/JPEG



Menu	Content	Mode	Function
Picture Mode	User/Standard/Vivid/Soft	Brightness	Modify the picture parameters in the range 0-100
		Contrast	
		Saturation	
		Sharpness	
Sound Mode	User/Standard/News/Music/Sport	120Hz	Modify the sound parameters in the range 0-100
		500Hz	
		1.5KHz	
		5KHz	
		10KHz	




OFFICE SUITE PLAY INTERFACE



By pressing the button on the remote to enter the menus.

(Note: The Office version maybe automatically updated, then the updated function may change.

Due to copyright, some function are temporarily unavailable. Please refer to the actual version.

Menu	Content	Function
	Invalid key, please ignore.	/
	Invalid key, please ignore.	/
	Export to PDF	Export to PDF
	Protect	/
	Start slide show	From the current slide
	Advance slides	/
	Cast Presentation	/
	Go to Slide	Quickly select the desired page
	Zoom	Fit/Fit width/Actual size
	Properties	View the properties of file
	Help	Help instructions

TROUBLESHOOTING

Problem	Possible Causes
1. The indicator light does not work when the power switch is turned on.	⊙ Power cable is not connected properly
	⊙ The power switch is faulty
2. The projector cannot be controlled with the remote control	⊙ The power switch is turned off
	⊙ The remote control has no batteries, the batteries are low or installed not properly
	⊙ The remote control is not being aimed at the IR receiver.
	⊙ A strong light source shines into the IR receiver.
3. No Image	⊙ The input source is not correct
	⊙ No input signal
	⊙ The input cable is not connected
	⊙ If a PC mode is set, the PC output frequency is incorrect (not correspond to 50-60Hz). Make sure the PC output is connected with the projector properly
	⊙ Check if the laptop connected to the right output signal (HDMI1 or HDMI2)
4. Shuts off unexpectedly	⊙ The projector air vent is blocked
	⊙ The voltage is not stable
	⊙ The projector is overheating - check if the fan is not broken

SPECIFICATIONS

Projection Technology: 5" LCD TFT display

Native Resolution: 1920x1080

Image Flip: 360°

Projection mode: Front-Desktop / Rear-Desktop /
Front-Ceiling / Rear-Ceiling

Lens: 5 Glass Lenses

Aspect Ratio: 16:9 & 4:3

Lamp Type: LED lamp, 50,000 hours lifespan

Image Size: 40-150 inch

Digital Zoom : 50%-100%

Working Voltage: AC100-240V/50-60Hz

Power Consume: Light source-80W/Whole Projector-120W

Net Weight: 2.2kg

Projector Size: 260×230×110mm

DBPOWER

FCC ID: 2AK43RD-828

Made in China



✉ support@dbpowershop.com

☎ 1-855-888-5533