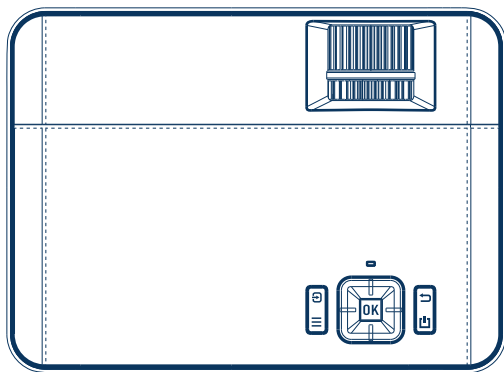


# DBPOWER

## MINI LCD VIDEO PROJECTOR RD-820

### USER MANUAL



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### **NOTE**

1. Only suitable for home entertainment in a dark environment. NOT for presentation purposes.
2. Dolby audio is NOT supported.
3. DO NOT obstruct the air vents when using. UNPLUG & PREVENT DUST from entering when not in use.

## A Big Thank You

We're thrilled that you have chosen to purchase the Mini LCD Video Projector. At DBPOWER, we're committed to providing you with products that enhance your daily life. We also aim to give our customers excellent support. Should you have any questions or feedback about your new product, simply get in touch with our customer support team at 1-855-666-9888, or by email at [support@dbpower.co](mailto:support@dbpower.co)

Enjoy your new product!

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## NOTICE

Not recommended for PPTs, Word, Excel, or business presentations.

To connect the DBPOWER mini projector with a tablet or smartphone, you need to use a wireless HDMI adapter. For Android phones which support MHL, you need an MHL to HDMI cable; for iPhones & iPads, you need a Lightning to HDMI cable adapter.

To connect the mini video projector to PCs or laptops, please adjust the PC/laptop display resolution to 800\*600 or 1024\*768 for best clarity.

Please note that it is only suitable for use in dark rooms.

Dolby support not supported. Please turn off Dolby digital in your device.

## ACCESSORY LIST

- 1 x AV signal cable
- 1 x Remote control (battery not included)
- 1 x HDMI cable
- 1 x Power Cable
- 1 x User manual
- 1 x Warranty card
- 1 x Operation guide

## SAFETY NOTICE

Please read the user manual carefully before using the projector.

Please use a standard power cord with ground wire to ensure stable power supply.

Please use the same power voltage as marked on the projector.

Please do not disassemble the projector by yourself; otherwise the warranty will be void.

Please do not look into the lens when the projector is operating, otherwise it may hurt your eyes.

Please do not cover the projector ventilation holes with any material.

Please keep the projector away from water or any other liquid as it is not waterproof.

Please don't put the projector in wet or moist conditions to prevent electric shock.

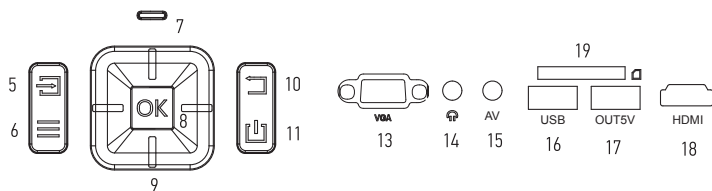
Please turn off and unplug from the power supply if not using the projector for a long time.

Please use the original packing foam or other anti-shock material when relocating the projector.

Please contact our customer support if the projector has any problems.

This mini projector comes with a full 12-month warranty.

Please contact us if you want to know more information about the warranty. (Warranty service does not include the frame, manual, packing and subjective ideas about the video, sound or image aspects)



1. Lens

2. Manual focus

3. Keystone

4. Power input

5. Source

6. Menu

7. Power indicator

8. OK

9. Direction buttons

10. ESC

11. Power button

12. IR

13. VGA

14. Earphone slot

15. AV

16. USB input slot

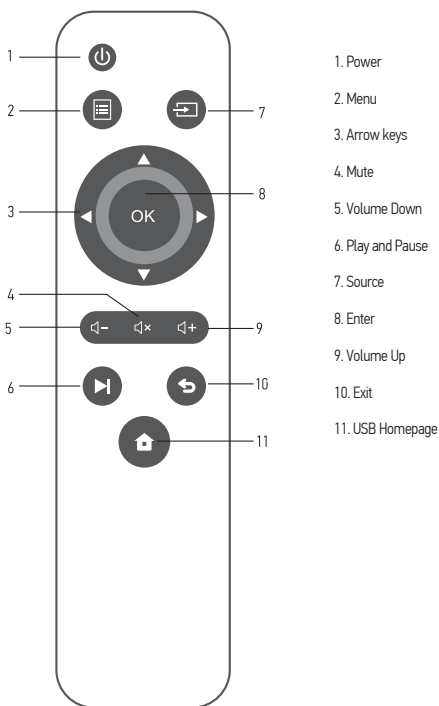
17. USB output slot

(5V power supply)

18. HDMI

19. SD

## IR TRANSMITTER



### Caution

Do not submerge the remote control in water.

Do not put the remote control near fire or in wet/hot places.

Do not use old and new batteries together in the remote control.

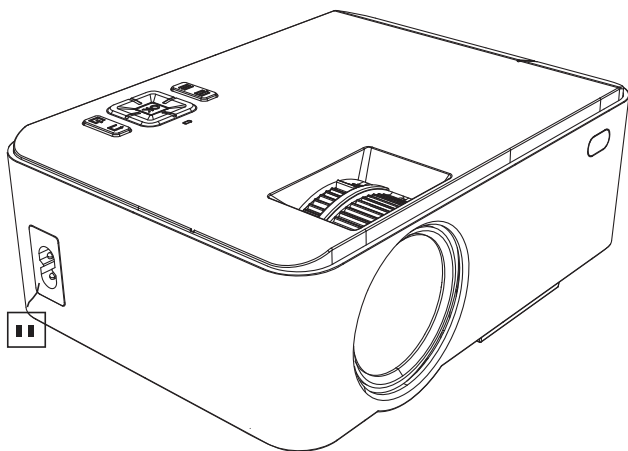
Please take the batteries out if not using the remote control for a long time to avoid battery leakage.

Please point the remote control at the IR receiver.

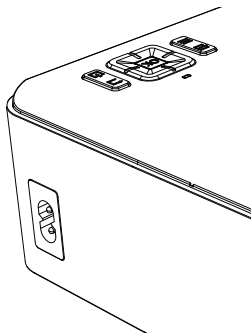
## USER MANUAL

### 4.1 Connecting the projector to power

#### 4.1.1 Connect the power cable to the projector.

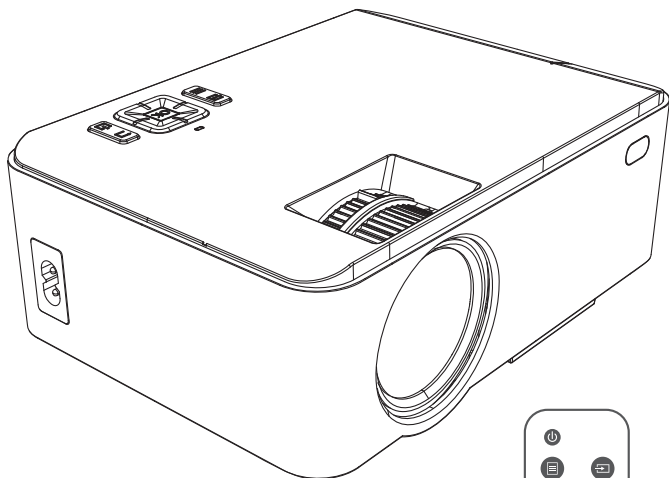


#### 4.1.2 The projector will display an indicator light when connected to power.

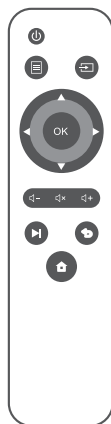
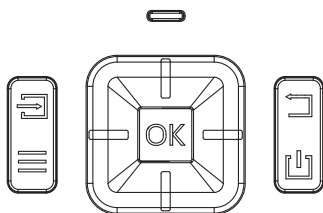


## 4.2 Power ON/OFF

Press the "⏻" button on the projector or on the remote control to power on.



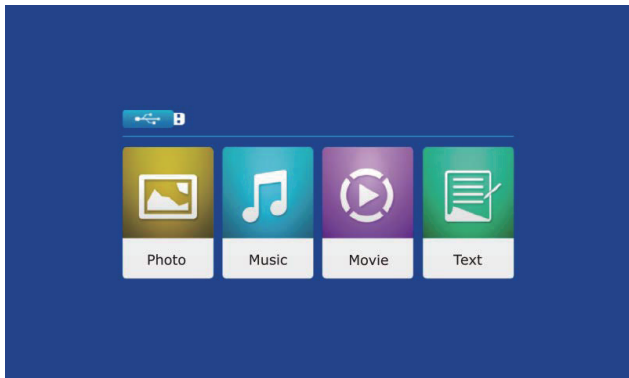
Projector



Remote Control

## 4.3 Multimedia boot screen

After 2-5 seconds, the multimedia screen will be displayed.



## 4.4 Focus & keystone correction

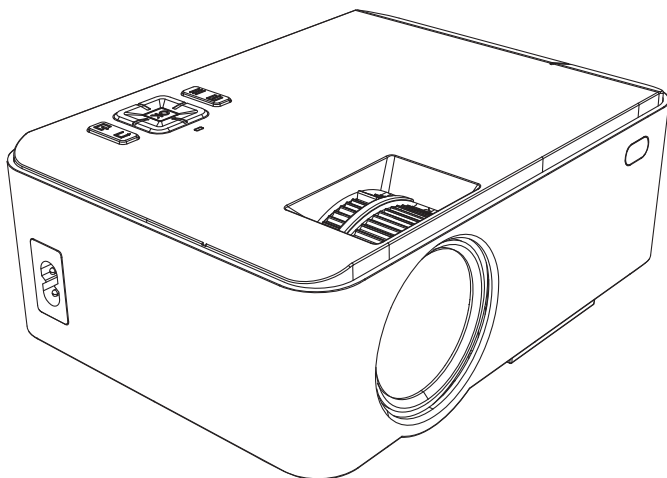
4.4.1 If the image is displayed as a trapezoid shape, you can adjust it with the keystone correction function by pressing button 3.

This should normalize the display image.

## 4.4.2 Image focusing

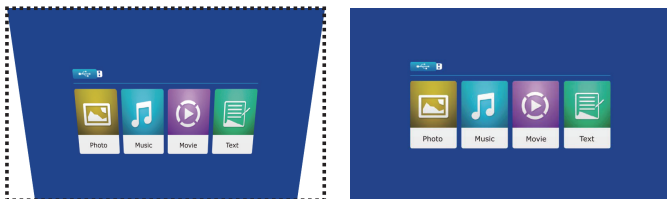
Make sure the projector is horizontal to the projector screen and adjust the focus by pressing button 2.

You can display video or the menu to check adjustment.



## DISPLAY SOLUTION

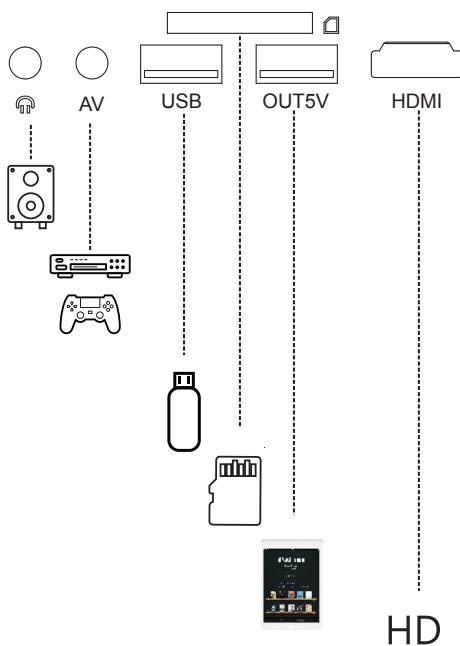
The projector uses an optical keystone correction function, so the image can be adjusted as below:



However, this projector does not have a horizontal keystone correction function. The projector must be placed horizontally to the projection screen. If you encounter this problem, it is probably because the projector has not been placed horizontally to the projection screen, or the projection screen is not vertically positioned.

Solution: Adjust the projector's position so that it is horizontal to the screen.

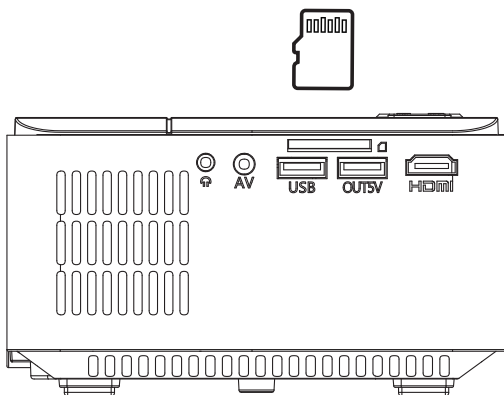
## 5.1 Connections



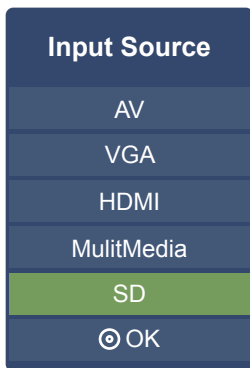
Connect multiple devices and applications.

## 5.2 Playing media from a USB/SD card

### 5.2.1 Insert the USB/SD card into the slot (picture).



### 5.2.2 Choose SD or USB as source from the menu.

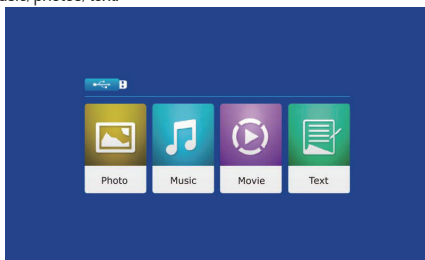


## Supported multimedia formats

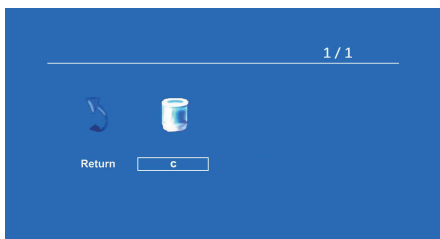
|            |              |                                                                                          |
|------------|--------------|------------------------------------------------------------------------------------------|
| Multimedia | Audio file   | MP3/WMA/OGG/AAC/MA4/FLAC/APE/WAV                                                         |
|            | Picture file | JPEG/BMP/PNG                                                                             |
|            | Video file   | MPEG1、MPEG2、MPEG4、RM、AVI<br>RMVB、MOV、MKV、DIVX、FLV、VOB<br>M-JPEG (only unsported 640*480) |
|            | Text file    | TXT                                                                                      |

### 5.2.3 Choose the content which you need to display:

Video/music/photos/text.

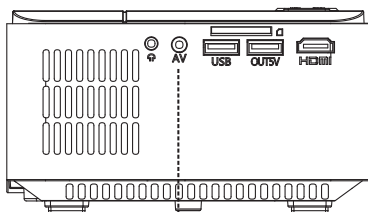


### 5.2.4 Choose the file you want to display. Press "⏮" to display or stop.



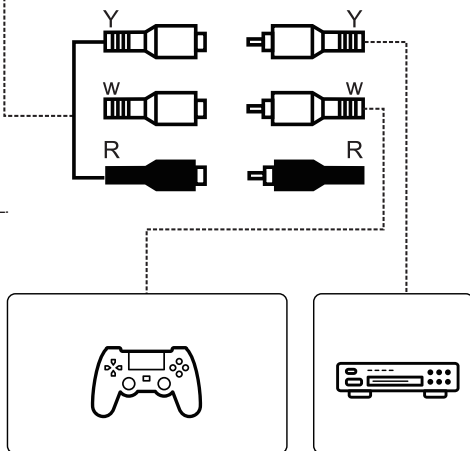
## 5.3 AV video connection

Use a 3-in-1 AV cable to connect to the projector as shown below. Once connected, select the AV signal source.



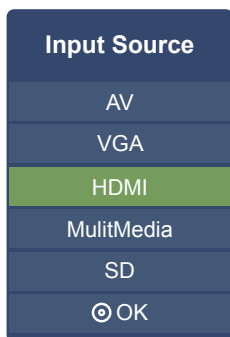
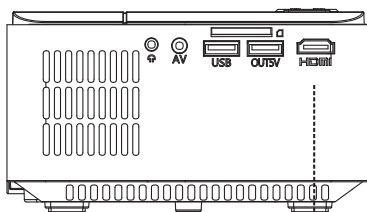
| Input Source |            |
|--------------|------------|
|              | AV         |
|              | VGA        |
|              | HDMI       |
|              | Multimedia |
|              | SD         |
|              | ⊙ OK       |

Supports NTSC/PAL.



## 5.4 HDMI connection

5.4.1 Use the HDMI slot to connect computers and HDMI compatible devices. Once connected, select the HDMI signal source.



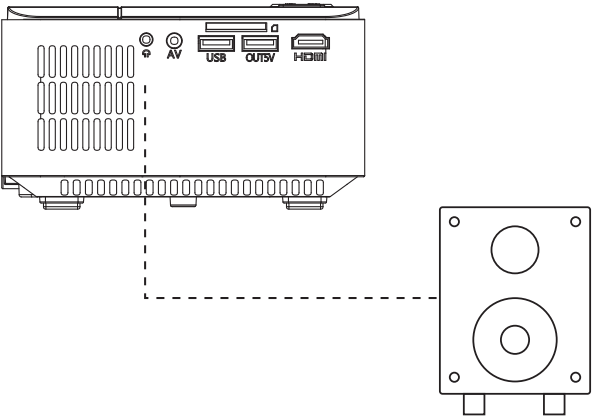
Supported resolutions:

576P, 480P, 720P, 1080P, 640x480, 800x600, 1024x768, 1280x1024, 1280x720, 1440x900, 1920x1080, 1366x768, 1280x800, 1440x960, 1600x1200, 1680x1050

## 5.5 3.5mm audio connection

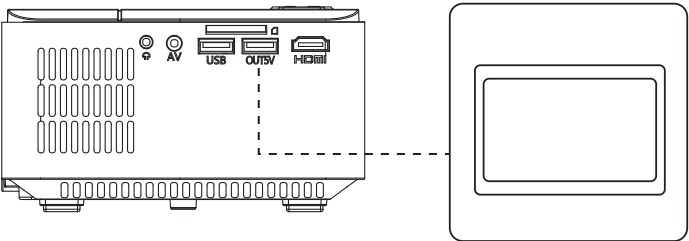
5.5.1 Use the 3.5mm audio jack to connect headphones and speaker equipment.

Note: This projector does not support Dolby sound.



## 5.6 Other connection

USB output 5V for mobile table power supply.



## MENU SETTINGS

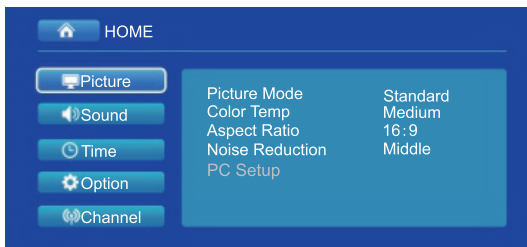
### 6.1 Remote control user guide

Press the "Menu" key to enter the main menu, then press "◀/▶" to enter each sub-menu.

Press "▼/▲" to select the sub-menu, then adjust the parameters per your needs, and press the "OK" key to confirm.

### 6.2 Function of sub-menus

6.2.1 Image sub-menu: Picture mode/color temperature/aspect ratio/noise reduction.



#### 6.2.2 Time sub-menu

Clock/OFF time/ON time

auto shutdown timer/auto sleep.

#### 6.2.3 Setting sub menu

Available adjustment: OSD language, restore factory settings, OSD duration, image flip, zoom.

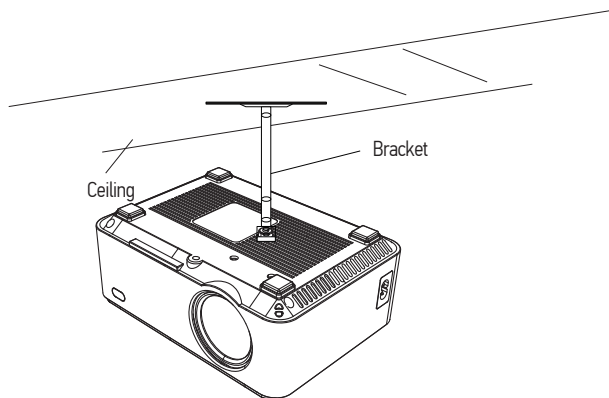
#### 6.2.4 Audio sub menu

Available adjustment: sound mode, balance, auto volume, surround sound.

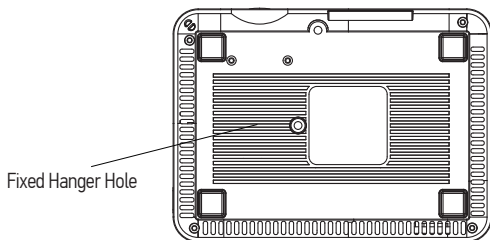
## PROJECTOR INSTALLATION

7.1 Please refer to the following diagram for mounting the projector on a ceiling.

Do not place the projector near heat sources to prevent the projector from overheating.



When ceiling mounting the projector, please ensure screws of a suitable quality are used, and that screw depth is deep enough to prevent the projector from falling.

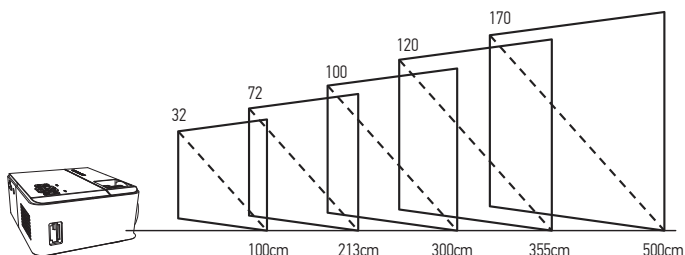


## TECHNOLOGY FEATURES

### 8.1 Basic parameters

|                    |                                     |                    |                                  |
|--------------------|-------------------------------------|--------------------|----------------------------------|
| Imaging Technology | TFT LCD                             | Color Reproduction | 18K                              |
| Resolution         | 800*480 RGB                         | Keystone           | Manual Correction $\pm 15^\circ$ |
| Highest Resolution | 1920*1080                           | Power Voltage      | 100V-240V 50/60Hz                |
| Light              | LED                                 | Integrated watt    | 50W                              |
| Life Span          | 50,000 hrs                          | Input              | USB*2/SD/HDMI/VGA/AV             |
| Lens               | Multichip Coated                    | Output             | Earphone USB (5V-500MA)          |
| Operation Mode     | Lens (F=125)<br>Manual<br>Operation | Speaker            | 3W*1                             |
|                    |                                     | System support     | Support multi-media              |
|                    |                                     | Language support   | Support 23 Language              |
| Throw Distance     | 1-5M                                | Unit size          | 204*149*83mm                     |
| Screen Size        | 32-176 Inches                       | Projector Ratio    | 1.4:1                            |
| Aspect Ratio       | 4:3/16:9                            | New Weight         | 1.05KG                           |

### 8.2 Projection distance and screen size



For reference only. The projection distance and screen size differ based on the configuration of the projector.



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