MULTIMEDIA PROJECTOR

PROJECTOR

USER Manual

USB LED HDMI
HIGH-DEFINITION MULTIMEDIA INTERFACE

Dimension

D-sub (15-pin)

1	R	9	+5v power
2	G	10	Ground (Vertical sync)
3	B	11	Monitor id0
4	Monitor id2	12	DDC data
5	Ground (Horizontal sync)	13	Horizontal sync
6	Ground (R)	14	Vertical sync
7	Ground (G)	15	DDC clock
8	Ground (B)		

Product Tech Dim

Projection Tech	LCD TFT Projection system
Display Colors	16.7M
Lamp color temperature	9000K
Lamp life time	20000 hrs
Power supply	AC IN：~100V–240V 50/60Hz
Projector consumption	50W
lens	Multichip composite coating optical lens
AV INPUT	AV
Signal Format	The Global Standard
Correction	Optical±15 degree
A single continuous use time	≤24hour
Projection size	38-100inch
Projector Weight	0. 92Kg
Noise and Light leaking	Low Noise , Low Light leaking
Dimension	205x159x75mm
Audio Frequency	2W+2W
Signal Ports	VIDEO INPUT(1. 0Vp-p +/-5%) VGA INPUT(800×600@60Hz 1024×768@60Hz) HDMI INPUT(480i 480p 576i 720p 1080i 1080p)
USB TF card Format	Video Format：MPEG1、MPEG2、MPEG4、RM、AVI RMVB、MOV、MKV、DIVX、VOB M-JPEG(only unsported 640*480) Music Format：WMA、Mp3、M4A(AAC) Photo Format：JPEG、BMP、PNG

※ Specs for your reference, Design and Specs subject to the Product.

Agenda

Thanks for purchasing our projectors, Please read the manual carefully before using the projector. keep the manual for further reference.

●Please note: For more convenient in explanation, the illustrations in this manual may differ from the actual projector you ordered.

Package list：

Please check the package upon receiving it, in case of that there is anything missing or damaged. Please contact our company or franchiser if anything wrong.

Projector	Power lead	Remote	Audio/Video Cable	User Manual
1 PCS	1 PCS	1 PCS	1 PCS	1 PCS

Optional Accessories: Projection screen , Projector mount, Tripod.

Products

- This is a High-definition multimedia LCD projector. It can project full color video image signal onto a big screen for presentation or watching. It is particularly suited to dance halls, karaoke OK, home theater and business presentations.

- The projector can use the remote control to realize full-function remote control operation, also can use the buttons on the body. The whole machine adopts microcomputer intelligent control, self control switch machine self-checking, resistant to turn it off by mistake, lighting protection, thermal protection, fan detection monitoring circuit, AD hoc brightness automatic gain control, clear image sharpness adjustment, optical trapezoidal correction, manual, remote control receiving circuit, greatly improve the stability and reliability of the machine.

- External five basic image signal source:

  VGA Port
  HDMI Input
  A composite video signal source image
  USB Input
  TF card port

  Connected to DVD, VCD, VCR, cameras, game consoles, digital cameras, and electricity

- This series projector can be installed/rear projection/Ceiling, the projection images support 16:9 and 4:3 two kinds of display mode, to meet your different interests.

- This series projector has high photosynthetic efficiency optical engine system, including dozens of reflective material layer of professional precision optical viewfinder, many more groups of professional projector lens, optical system of the precision of short focal width and long screen.

Manual Operation

1 Video Play

❶ Press button in the menu interface, to select which library you want. Movie, picture, music or words.

❷ Press ' ok ' to confirm and enter the file list.

Select the file you want to play

❸ Use ' ◄ ► ▲ ▼ To choose file folder.

Use ' (OK) ' to open a file folder.

Play the file

❹ Use " ◄ ► ▲ ▼ " move to the file and press " ▶❙ " to play the video.

Play operation

❶ Press " ⊡ " to show the play station on the right.

❷ Press "◄ ►" to chose the fuction.

❸ Press " ⊡ " to operate the fuction.
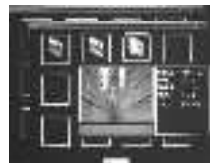Press " ⊇ " to back off the operation by remote.

FB/FF: to 2x, 4x, 8x, 16x the speed of the video.

Last: Playing on a selected program.

Next: Playing on next selected program.

Stop: Stop the video play.

Play/Pause: Play or pause the video

Operate keys on remote

last — forward

Play/Pause

Computer settings

● First switch the input signal mode to the computer.

Read'Basic operations of menu', switch signal source to computer input(PC setting). See the picture on the right side

❶ Press " (OK) " button shows the

Settings of the interface on right bottom.

❷ Press ▲ ▼ to choose which option, press ◄ ► to adjust,

press 'Menu' to confirm setting and quit.

Automatic adjustment: the different VGA device (desktop, laptop, desktop shadow spy machine, portable shadow spy, VOD VOD machine, each kind of hardware player, etc.) signal input, the system will automatically check or adjust the display mode, the corresponding measurement to match the right display mode to realize the right of screen display

Location: when the projection image in a horizontal offset, you can adjust the horizontal position of the picture.

Location: when the projection image in the vertical direction of migration, you can adjust the vertical position of the picture.

Zoom adjustment: Zoom in or Zoom out Projection size.

Phase adjustment: Automatic detection signal source of phase and clock. Corresponding value will display on it. For different VGA devices, when the display is abnormal, adjust this option so the pictures can be displayed in correct status.See the picture on the right side.

User Defined	Parameter
Line Location	0~100
Zoom	0~100
Row location	0~100
Phase Position	0~100

Multimedia mode

● Check U disk, TF card connection.

● Refer to "input signal source selection" section to the input signal switch to USB or SD card input mode, and select the files in the directory you need to play.

Warning: To avoid risk of fire or electricshock, do not put the projector under rain or at humid places.

Device is with High Voltage. Please do not open it if you are unprofessional to it.

⚠ Warning ⚡

This sign means that there is relevant instruction of important operation or maintenance(repair).

This sign means that there is dangerous voltage on the outer-cover which can make people get electric shock.

Warning: This is A a−class products, in the living environment, the product may cause radio interference. In this case, and may require the user to take practical measures to the interference.

Warning: To turn the projector into standby mode when the device is in normal working, please use the power button on the projector or the remote controller. Before unplugging the AC power cord, be sure the cooling fan is stop. Do not unplug the power cord when the projectoris working. otherwise,it will cause machinemalfunction.

Considerations about the remote control battery

If the polarity of the batteries installed upside down (the positive and negative reversed), then the battery will become overheated and damage. To warn children don't remove the battery or load, loading the battery in to the remote control by adult.

Instructions

⚠ Warming:

Please use the remote control or cover on the power button to turn it off, don't immediately unplug the power after shutdown, let the machine automatically heat dissipation, otherwise will affect the service life of the projector.

Does for the sake of safety, in addition to professional maintenance staff, no to overhaul the projector.

Please read the instructions carefully for right operation on the projector.

- Please use the power of the projector labeled type, it is dangerous to use other types of power supply.
- Please use the match the random provide power lead, such as the need to change please contact the dealer.
- Please use the ac power to match the machine, voltage fluctuation should be less than 10%.
- Be sure to get the power to access system to meet the requirements of the regulations of the state distribution system.
- In order to ensure the safety of the machine power supply stability and recommend the use of independent power supply circuit and protection measures of power socket, are not allowed in a line to a variety of high–power electric products, such as refrigerators, air conditioners, motors, etc.
- Do not use this projector is subject to rain or be affected with damp be affected with damp, lest produce an electric shock risk, should be the native in ventilated, dry ash free of dust, avoid vibration, heat, radiation, and frequently moved.
- If long time not use this projector, please put the power cord from the mains socket.
- Side panel and rear panel of the projector slit for the carousel vents, protect the normal use of the projector, to prevent overheating.
- Before the use should check the ventilation, to ensure the unobstructed, near the projector, do not place flammable objects.
- Do not insert into the aperture of the projector, otherwise it will produce a short circuit or get an electric shock accident, and equipment built into harm to you.
- Do not screw the projector lens too, so as to avoid the lens fall off and damage.

Manual Operation

5 Surround

❶ Press '▲ ▼' to choose Balance , then press '(OK)' to enter its operation interface. See the picture on the right side.

❷ Press '◄ ►' to adjust, then press 'menu' to confirm and quit.

Reduce display

❶ Press "MENU" button shown the picture menu interface.

Press "▲" "▼" button, select the menu item of "Reduce display"and then press " (OK) " button shown on the right side of the interface.

❷ Press " ◄ " " ► " button to adjust the size of the image

75% ◄ ► 100%

Restore Factory Settings

- Reset will set the menu setting and the system setting back to factory default setting.

Reference the basic operations of a "menu" section switch to the on the right side of the menu interface, and select a restore factory settings.

❶ Press the " (OK) " button to the bottom right hand corner of the display interface.

❷ Press the "◄" "►" button, choose whether to restore to factory Settings.

Yes: It will set the projector to default factory setting.

No: It will just exit.

2 SOUND

Reference the basic operations of a "menu" section switch to the on the right side of the menu interface, and select a sound mode.

❶ Press the "OK" button to the bottom right hand corner of the display interface.

❷ Press the "▲" "▼" button, choose the items you need to adjust, and then press "◄" "►" button to adjust the values of the parameters, press "MENU" button to confirm and exit.

User-defined	Parameter
High Pitch	0–100
Bass	0–100

Acoustic Pattern:
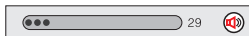
User ► Standard ► Music ► Movie ► Sports

3 Volume

❶ Press the "▲" "▼" button, select automatic volume one, and then press "OK" button repeatedly.

    ► off ► Automatic

❷ Exit menu interface, press "◄" "►" directly, adjust the volume.

●●●   29 🔊

Adjustment Range: 0–100

V− ◄ OK ► V+

4 Balance

❶ Press "▲" "▼" button, select the balance a, and then press "OK" button shown on the right side of the interface.

❷ Press the "◄" "►" button, select the level adjustment, and then press "MENU" button to exit.

−50   0   +50

Proposing to set balance value "0"

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1 Installing the projector

● Place the projector on a stable and smooth solid or drop-hanger frame. Be sure it is ventilated around the projector and no windshield in 10 CM range. Do not cover the air vent.

● Keep the projector and screen the proper distance, projector and screen distance determines the size of the projection image. Connect one of the power cord ends with the projector, plug the other end into AC socket.

● According to your requirements, you can put the projector on a stable desk which can project from the frontage of the screen. Or fix the projector with drop-hanger frame for projection. You can also absorb back projection which image will be projected from the back of the screen.
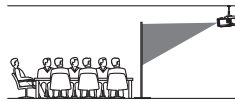

Projection
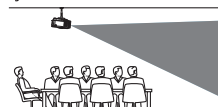
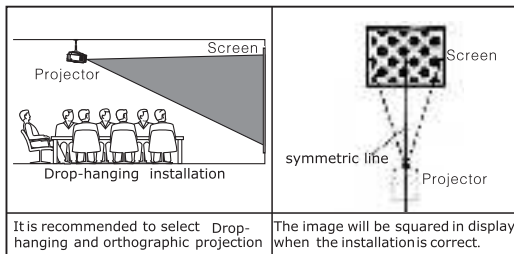
Amount Installation

Rear Projection

Rear Projector rack installation

Attention:

● When doing frontage hanging projection, please be sure the projector is not higher than the above screen side. Otherwise, it will affect the image effect and trapezoidal adjustment.

● Please refer to the "the distance between the projector and screen" section to determine the size and the distance between the projector screen.

● Please install the projector pointing to the screen symmetry axis, to avoid trapezoidal distortion.

● During the installation process, please don't charged operation, lest cause electrical shock or burn out the machine.

● After the first install and turning on, the image might appear trapezoidal shape distortion and blur. Please refer to the section 'keystone correction and focusing adjustment' to adjust.

It is recommended to select Drop-hanging and orthographic projection

The image will be squared in display when the installation is correct.

The image was positively square

2 Distance between the projector and screen

screen

72
60
50
45
37

The lens center

1.18m 1.30m 1.50m 1.80m 2.15m
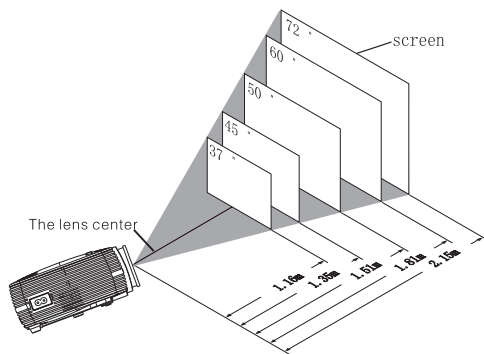
The image zoom button on the remote control

ZOOM

❶ Press "OK" button shown on the right side of the interface.

❷ Press the "▲" "▼" button, select the zoom mode, then press "MENU" button to confirm and exit.

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

2 Image flip

The basic operations of a reference "menu" section switch to the on the right side of the menu interface.

❶ Press '▲ ▼' to select 'rotate 3' option. Repeatedly press 'OK' to switch to up, down, left or right turn.

SOUND

The mute button on the remote control

1 Mute

Repeatedly press the mute button which, can close, open voice.

2 Color temperature

❶ Press the "▲" "▼" button, select a color temperature, and then press "⊙K" display on the right side of the interface.

❷ Press the "▲" "▼" button, choose the items you need to adjust, and then press "◄" "►" button to adjust the values of the parameters of the options.

Customer define	Parameter
red	0–100
blue	0–100
green	0–100

Standard ➔ Warm Color ➔ User ➔ Cool colour

3 Noise cancelling

To reduce the roughness of the image

❶ Press the "▲" "▼" button, select the noise reduction, and then press "⊙K" display on the right side of the interface.

❷ Press the "▲" "▼" button, select the level of noise reduction, and then press "MENU" button to exit.

If the image is rough, please according to the source from "low", "Middle", "high", "default" select settings.

The image projection mode

1 image scaling

Reference the basic operations of a "menu" section switch to the on the right side of the menu interface, and select a zoom mode. Image zooming.

Warming:

When the projector is working, don't face up to the projector lens, in order to avoid light damage your eyes.

3 Focus adjustment

Clockwise lens, lens all back into the machine, then slowly to counterclockwise, carefully observe the pixels on the screen at the same time, in the clearest image particle hou (image center area shall prevail), which is the lens focused best location.

4 Keystone

Behind a slowly moving on the trapezoidal correction gear (figure 3), make the border around the screen image is quadrilateral, trapezoidal correction the biggest adjustment range is ± 15 degrees. If the trapezoidal correction gear when transferred to the limit position still cannot eliminate the keystone distortion, please shorten the distance form the centre of the projector and screen in the vertical direction (figure 4). If you use the mesa place way to install the projector, changing the projector by regulating wheel rotating plate angle projection angle (figure 5).

Trapezoidal correction gear

FIGURE 3

Screen   Projector

vertical dimension

If unable to completely eliminate the keystone distortion, to reduce the vertical distance.

FIGURE 4

If unable to completely eliminate the keystone distortion, to reduce the vertical distance.

Screen
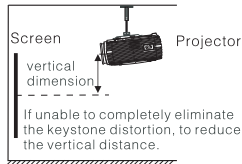
Vertical dimension

Projector
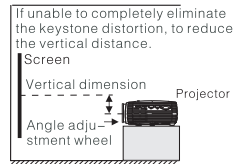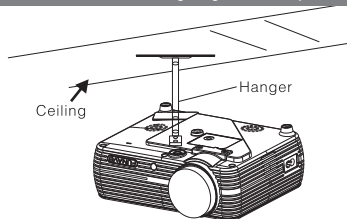
Angle adjustment wheel

FIGURE 5

Installation of Projector

5 Please refer to the following diagram for Projector ceiling mount

Ceiling — Hanger

- Do not place the projector near the air conditioner and heater heat source, otherwise the machine may be due to overheating and automatically be turned off.

- Installing a projector, attention should be paid to choose enough strength of hanger and screw, in order to avoid because of the screw inferior quality or screwing in depth is not enough finally the projector falling in accident.

Fixed hanger hole
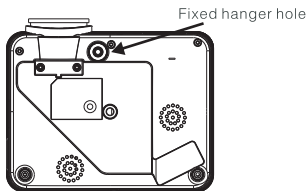
6 The signal cable connect

- The power input socket, when used, please insert the power adapter dc output side of the machine accessories in this seat, at the other end into the mains socket.

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Manual Operation

2 Menu display time

❸ Press "▲" "▼" menu display time, select a menu display time, and then press "OK" button repeatedly set menu display time.

➤ 5 seconds ➤ 10 seconds ➤ 15 seconds ➤ Off ┐

The image quality

1 image model

The basic operations of a reference "menu" section switch to the on the right side of the menu interface.

❶ Press "OK" button shows the lower right corner of the image mode interface.

❷ Press the "▲" "▼" button, choose the items you need to adjust, and then press "◄" "►" button to adjust the values of the parameters of the options.

❸ After complete the adjustment, press "MENU" button to save Settings and exit.

image model:

➤ standard ➤ soft ➤ User ➤ Dynamic ┐

Contrast: to Increases or reduce the image sharpness.

Luminance: the higher the value, the brighter the image, the lower the value of image more dark.

User define	Parameter
Contrast	0–100
Brightness	0–100
Color	0–100
Acutance	0–100

Color: the set value, the higher the concentration of color image, the lower the value of image, the louer the color concentration.

Sharpness: the higher the value the image more clear, the lower the value the softer image.

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Manual Operation

4 Selecting an input signal from the device

Confirm the correct signal cable connected

1 Press "Source" to display the right interface.

2 Confirm whether correctly connected to the signal cable press "▲" "▼", from the PC, AV HDMI, TF USB choose you need to input signal.

3 Press the "◀" "▶" key to determine the input signal types.

Manual Operation

1 Select the menu language

Reference the basic operations of a "menu" section switch to the on the right side of the menu interface, and select the language in a menu.

1 Press "OK" button of language options into the interface.

2 press the "▲" "▼" "◀" "▶" button, select the language you need, and then press "MENU" button to accept Settings and exit.

English	Hrvatski	Nederlands	Chinese
Franais	Deutsch	Slovenina	Slovak
Español	ItAliano	Norsk	
Português	Magyar	Srpski	
esky	Polski	Svenska	
Dansk	Romnete	Suomi	

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Installation of Projector

Mains Socket
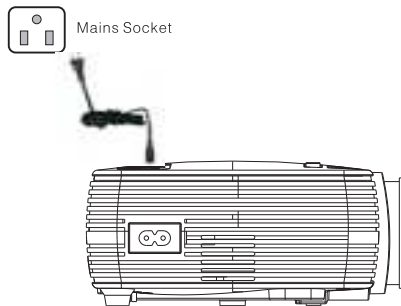
● VGA input socket: from the port can be connected to a computer or other VGA video signal output socket.

VGA input Socket

Computer Cable
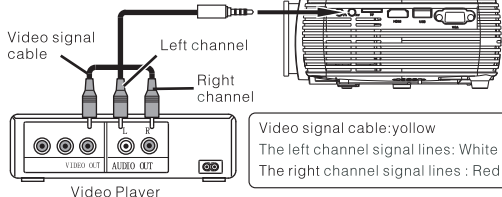
Computer Cable

PC

Computer

9
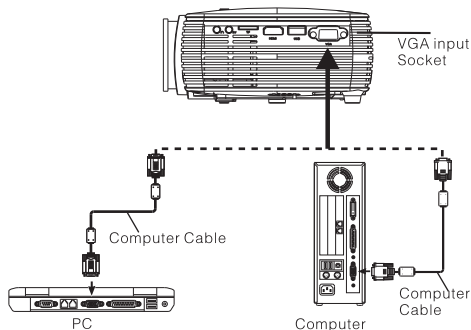
Installation of Projector

Please refer to the following table parameters to adjust the output signal of the computer.

Type	Resolution		Frequency (KHz)	Field Frequency (Hz)	VESA
PC	VGA	640 × 480	31.5	60	
			34.7	70	
			37.9	72	
			37.5	75	
	SVGA	800 × 600	31.4	50	
			35.1	56	
			37.9	60	
			46.6	70	
			48.1	72	
			46.9	75	
	XGA	1024 × 768	40.3	50	
			48.4	60	
			56.5	70	

Note: when the projector and connection of laptop may not be able to display images at the same time, if that happens, please set the computer display attributes, select for CRT output mode.

● Video input socket: from now on interface can be connected to the LD player, DVD players, video cameras and video player VIDEO (VIDEO), audio output socket.

Video signal cable
Left channel
Right channel

VIDEO OUT AUDIO OUT

Video Player

Video signal cable:yollow
The left channel signal lines: White
The right channel signal lines : Red

Manual Operation

1 Power on

❶ Pressing "⏻" on the up cases or the "" button on the remote control, light color, the machine in normal working condition.

2 Power off

❷ Pressing the "⏻" button again to turn off projector , machine enter to standby mode again.

Press the "⏻" key once again and can't shut down the engine power, if don't use this machine for a long time, please put the power cord from the mains socket.

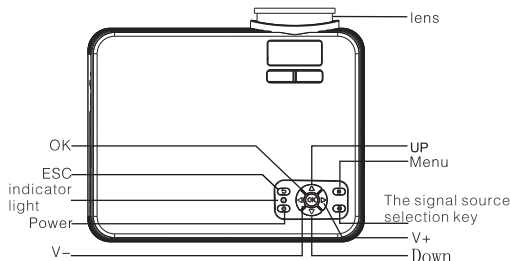### The basic operations of a menu

3 Enter menu

MENU

❶ Hit the "MENU" or the "☰" on the projector, show the MENU screen.

❷ According to the remote control or the "◄" "►" button on the projector you need to adjust or set level menu items, the menu of the selected icon will brighten.

❸ According to the remote control or the "▲" "▼" button on the projector in the lower menu choice you need to adjust the menu item.

❹ And then press the remote control or the "OK" button on the projector, activate the selected icon menu at secondary menu.

❺ press the "▲" "▼" "◄" "►" key, adjust the parameter values for the selected menu item you.

Repeat the second to fifth step regulate other MENU items, or directly click "MENU" or "EXIT" button to EXIT a single interface.

Operate and Use

- lens
- OK
- ESC
- indicator light
- Power
- V−
- UP
- Menu
- The signal source selection key
- V+
- Down

- **Power button:** press this button to open or close the machine, the same as the power button on the remote control function.
- **Volume plus and minus button:** press the two buttons volume can be increased or decreased, also be used in the project menu in the menu about mobile selection and parameter adjustment.
- **Menu:** bring up the main menu or exit system.
- **Show plus and minus keys:** pressing the two buttons can be increased or decreased to show size, also be used as a move up and down the project menu in the menu options.
- **TV signal source choice:** select the signal or an external video signal.
- **Lens:** rotate the lens, the adjustable image of each pixel is focused on the status, change the extent of image clarity.
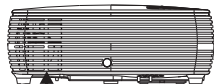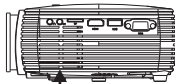

Air inlet   Air outlet

- **Into the outlet:** the air−cooled heat dissipation system into the outlet, in use process, do not make it obscured or congestion, so as to avoid burning the unit.

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Installation of Projector

- **Audio output:** audio signal from the output port of the projector, if you want to high power play music please input end connected to external power amplifier.

station amplifier

AV Cable
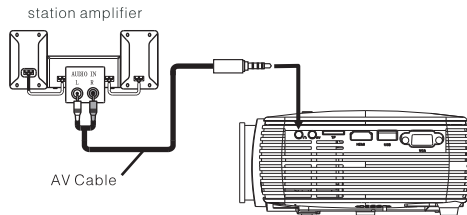
- **HDMI hd signal input:** this interface can be output with hd player HDMI output at the connection.

HDMI Cable

Video Player
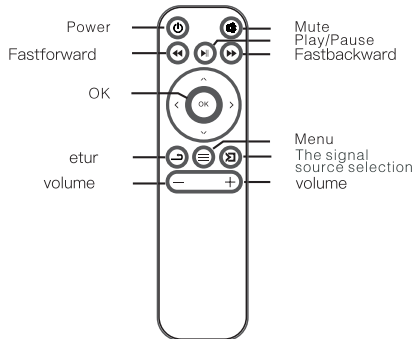
11
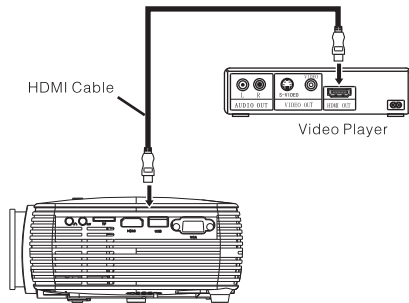
This chapter tells you how to use the projector, beginning to open the projector, gradually introduce the use of the projector, please carefully read In this chapter, a simple operation guide will make you quickly familiar with the projector.

● According to the size of the projected image/distance, fixed projector, according to the requirement of the corresponding interface of the projector connected signal lines.

● According to the remote control the positive and negative polarity of battery box identifier, load cells.

● Inset the power lead to the power socket after the projector's plate, power indicator light is lit,the machine into standby mode.

● Press "⦸" button or panel boot, light color, in normal working condition.

● Cover by remote control or face the "SOURCE" or "⊟" button, select to access the signal channel.

● New projector, when switched on for the first time, may appear blurred images, or keystone state. When images mould paste, can adjust machine at the front of the lens, when the particle the clearest image (the middle area shall prevail), when is the best of the lens focus position. When trapezoidal distortion, please dial the machine before and after slow on the trapezoidal adjustment device, made the image on the screen was positively quadrilateral borders. If trapezoidal adjust to the best position, still can't eliminate the trapezoidal frame, please adjust the distance form the centre of the projector and screen in the vertical direction.

● Image adjustment after clear, can be carried out to watch, watch, you can also to set the parameters of the system, can according to individual be fond of, adjust the image brightness, contrast, color saturation, sound volume and clear image sharpness, etc.

● Fan delay shutdown, after must wait until the projector automatically stops later, can cut off the total power supply, lest because the internal storage have excess heat and affect the normal life of the projector.

● In order to improve the quality of the projection screen, please choose the appropriate projection screen, projector in use as far as possible to reduce the surrounding environment light, consider the appropriate shading measures, try to close the indoor lighting, at least to ensure that the lights don't direct screen. Although the machine can connect to multiple video signals, but in actual use, suggested a transmission signal, in order to avoid mutual interference signal, affect the projector playback.

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Power — Mute
Play/Pause
Fastforward — Fastbackward

OK

Menu
etur — The signal source selection
volume — volume

direction key

1、Show the plus and minus key: press the "▲" "▼" button to show increasing or decreasing, is also used as a move up and down the project menu in the menu option.

2、Menu parameters adjusting button: press "◄" "►" adjustable parameters under the menu the purpose, also used in the project menu in the menu about mobile choice.

Attention

1.Between the remote control and remote control receiving host window please do not put any items, in order to avoid blocking the signal.

2.Please do not make the light point-blank main engine remote control receiving window to prevent remote signal is invalid.

3.The former straight to the main engine remote control of the remote control receiving window, about 30 degrees at 6 meters distance within the scope of operation, otherwise, may not receive the signal.

4.Such as long-term when not in use please take out the battery,remote control to prevent battery leakage corrosion.

5.After the battery used long, if found remote control cant work properly please replace new battery.

6.Do not put the remote control in high temperature or damp places, in order to avoid damage.

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