



SHOWMX® Mini Projector

HD-5 User Manual



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SHOWMX®

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Safety Information

Safety Instructions

1. Instruction information

All the safety and operating instructions should be read before the product is operated.

2. Accessories usage

Do not use attachments and accessories not recommended by the manufacture as they may be hazardous.

3. Avoid MEF (Magnetic or Electric fields)

Do not use the projector close to TV transmitters, portable Tele-communication devices or other sources of appliances generating a strong magnetic field. They may cause picture interference, or permanently damage the projector.

4. Projector placement

- a) Do not place projector on an unstable cart, stand, tripod, bracket or table. The product may fall, causing serious injury to a child or adult and serious damage to the product.
- b) Place your projector on a level and stable surface. Do not place your projector on an unstable cart, stand, or uneven surface, desk. Any mounting of this appliance should follow the manufacturer's instructions.

5. Power source

- a) The compact power adapter should be operated only from the type of power source indicated on the marking label.
- b) Power cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them.
- c) Do not heat the power cord and do not place the power cord under the projector.
- d) For added protection of this projector during a lightning storm, or when the projector is left unattended and unused for long periods of time, disconnect it from the wall outlet.

6. Moisture and water

- a) Do not use this product near water or in rainy and moist situations.
- b) Do not use this projector near water or in contact of liquid.
- c) Do not handle the power cord with wet hands.

7. Eye protection

DO not stare or face directly into the projector beam at all times.

8. Servicing

Do not attempt to service this projector yourself as opening or removing covers may expose you to dangerous voltage or other hazards.

WARNING



TO REDUCE THE RISK OF FIRE, ELECTRIC SHOCK, OR ANNOYING INTERFERENCE
DO NOT EXPOSE THIS PROJECTOR TO RAIN OR MOISTURE. AND USE THE RECOMMENDED
ACCESSORIES ONLY.

1. Never push objects of any kind into this projector through openings as they may touch dangerous voltage points or short out parts that could result in a fire or electric shock.
 2. Be careful not to spill liquid of any kind onto the projector.
 3. Do not touch the projector or its ventilation outlet while the projector is used for a long time as it can become heated. Please do not block these openings.
 4. Do not use this projector in direct sunlight.
 5. Do not place the projector near any heat producing device. Leave a distance of 10cm or more around the projector to ensure adequate ventilation.
 6. Do not drop, throw or try to bend this projector.
 7. Do not place heavy project right above this device.
 8. If strange odor, noise, or smoke comes out of the unit, stop operating & unplug immediately.
 9. Do not use this product during sports or under movement. It might lead to unexpected shortcut to the circuit board, or damage to the lamp.
-

CAUTION



PLEASE FOLLOW ALL WARNINGS, CAUTIONS AND MAINTENANCE INSTRUCTIONS

Turn off the projector and unplug the power cord under the following conditions:

1. If the projector has been dropped, or the unit has been damaged.
2. If liquid has been spilled on to this projector.
3. If the power-supply cord or plug is damaged or broken.
4. Foreign object has fallen in the projector, or something is loose inside.
5. If the projector has been exposed to rain or water.
6. If the projector does not operate normally after you follow the operating instructions.

Please contact your local reseller for service. Do not attempt to service the unit yourself.

BASIC CLEANING

- Turn off the device & unplug this projector from the wall outlet before cleaning it.
- Use a dry soft cloth for cleaning. Do not use liquid aerosol cleaners.

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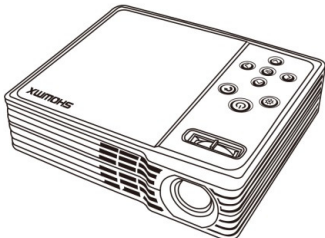
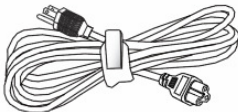
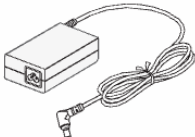
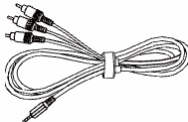




1. Welcome to SHOWMX HD-5

1.1 Introduction

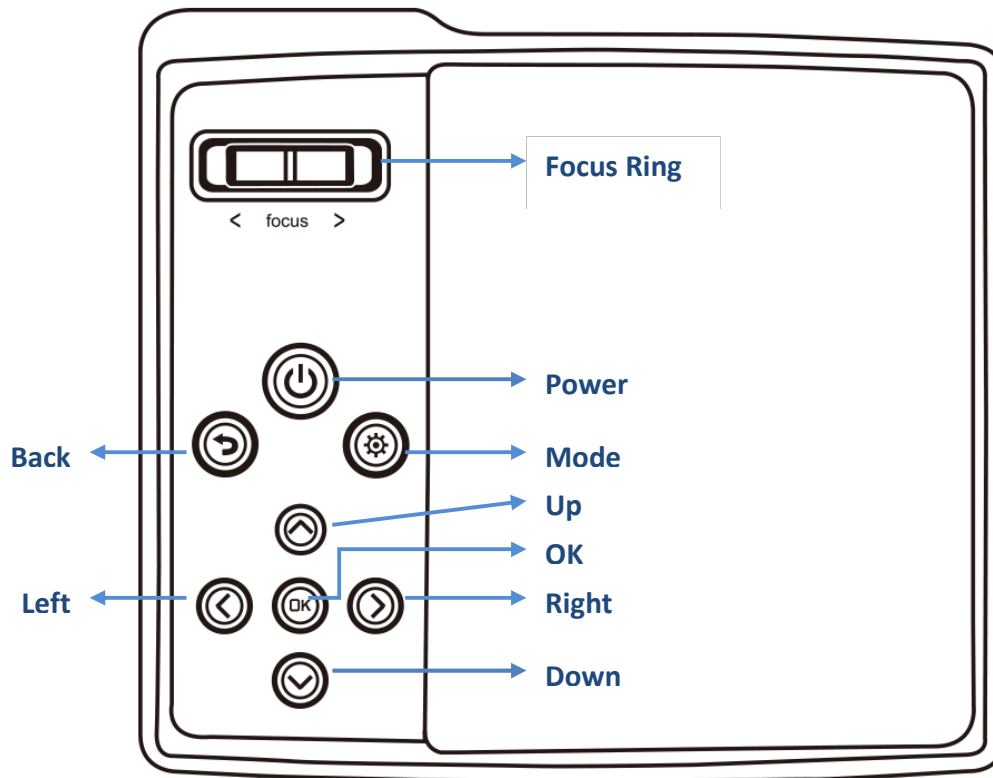
SHOWMX HD-5 is a mini projector with DLP technology. In addition to providing conventional function, HD-5 is also a portable multimedia projector when you provide multimedia files with movie, photo, and/or music files in the USB disk.

1.2 Contents of Package

SHOWMX HD-5 projector comes with the items shown below.

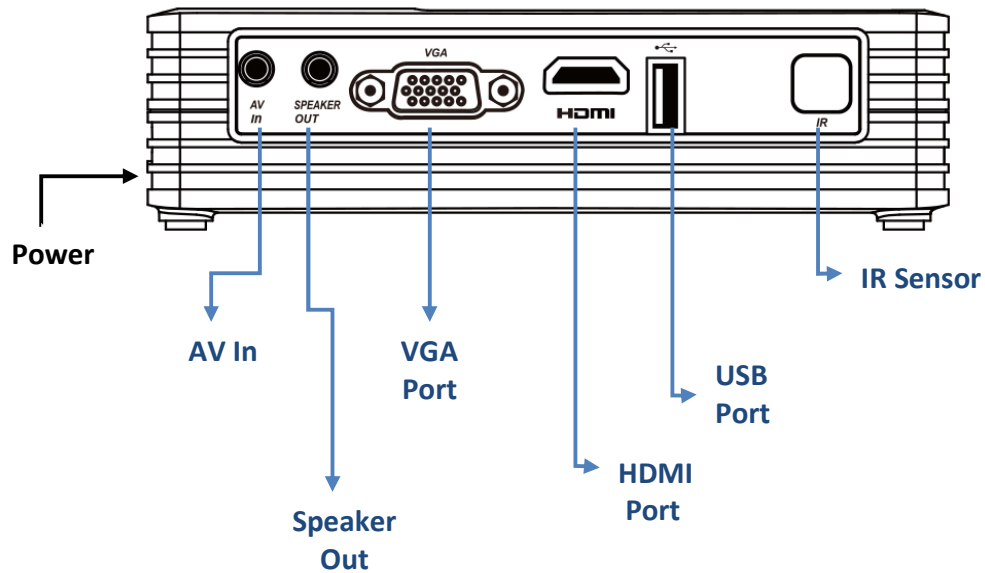
SHOWMX HD-5 Main Unit	
Power Cord	
AC Adapter	
3.5mm A/V to RCA Cable	
User Manual CD	
Remote Control (One 3V CR2025 Battery Preinstalled)	
Quick Start Guide	
Warranty Card	

1.3 Control Panel and Focus Ring



Button	Function
Power	Turn On/Off the projector
Back	Back to previous page
Mode	Turns on the On-Screen Display (OSD) menu. Goes back to previous screen, or, to exit OSD screen
OK	Go to sub menu, or to change settings on the OSD menu. Play/Pause functions
Up	Adjust functions on OSD menu. It will show on the tool bar when playing multi-media files
Left	Adjust functions on OSD menu. It functions as fast backward key when playing multi-media files.
Right	Adjust functions on OSD menu. It functions as fast forward key when playing multi-media files.
Down	Adjust functions on OSD menu. When playing multi-media files, it's hidden in the tool bar.
Focus Ring	To adjust focus & clarity of the projection image.

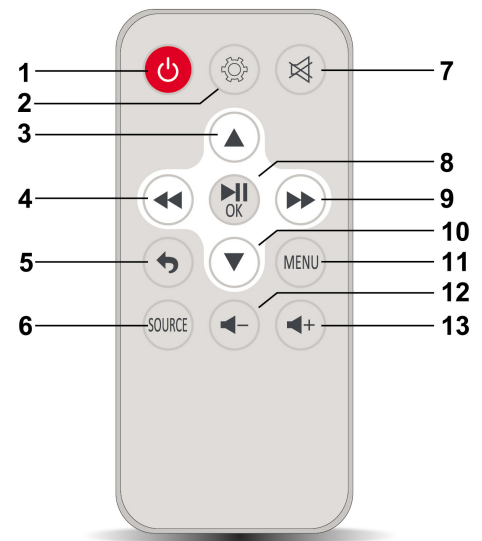
1.4 Input Source Connections



Connection	Function
USB Port	USB Disk as input source for play movie, photo, and music.
HDMI Port	HDMI video input from computer or laptop.
VGA Port	VGA video input from computer or laptop.
AV In	Component connections from vary video source.
Speaker Out	Audio connection for speaker out or headphone.

1.5 Remote Control

	Button	Function
1	Power	Turn On/Off the projector
2	Mode	Turns on the On-Screen Display (OSD) menu. Goes back to previous screen, or, to exit OSD screen
3	Up	Adjust functions on OSD menu. It will show on the tool bar when playing multi-media files
4	Left	Adjust functions on OSD menu. It functions as fast backward key when playing multi-media files.
5	Back	Back to previous screen
6	Source	Switches current signal source to VGA, HDMI, HDMI-3D & AV
7	Mute	On/Off mute mode
8	Play/Pause	Enter to sub menu, or to change setting on OSD menu. Play/Pause
9	Right	Adjust functions on OSD menu. It functions as fast forward key when playing multi-media files.
10	Down	Adjust functions on OSD menu. When playing multi-media files, it's hidden in the tool bar.
11	Menu	Selects different menu options
12	Volume -	Adjusts the sound level up
13	Volume +	Adjusts the sound level down



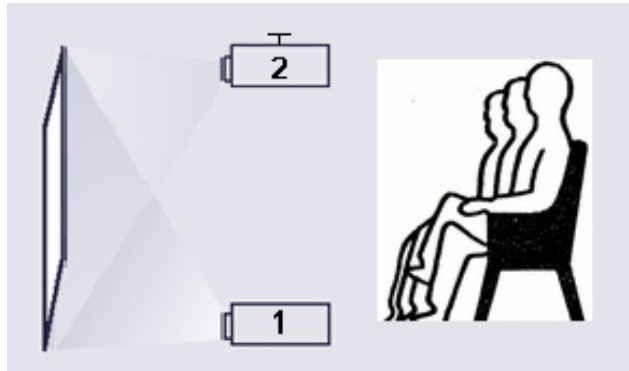
Note:

1. Make sure there are no obstacles between the remote control and the IR sensor on the projector that might interfere with the infra-red signal.
2. The remote control must be held at an angle *within 30 degrees* perpendicular to the IR sensor on the projector to function correctly.
The distance between the remote control and the sensor should not exceed 25 feet.
The battery for the remote control is included & installed already.

2. Projector Setup

2.1 Projection method

2.1.1 Place projector in front of the screen



Position 1: Front View - this is more common!

Position 2: Invert Front View (mount projector on ceiling) *

* The image turns upside down, see 🖥️.

2.1.2 Place projector in the back of the screen



Position 3: Invert Rear View (mount projector on ceiling) **

Position 4: Rear (place projector on desk and behind the screen)

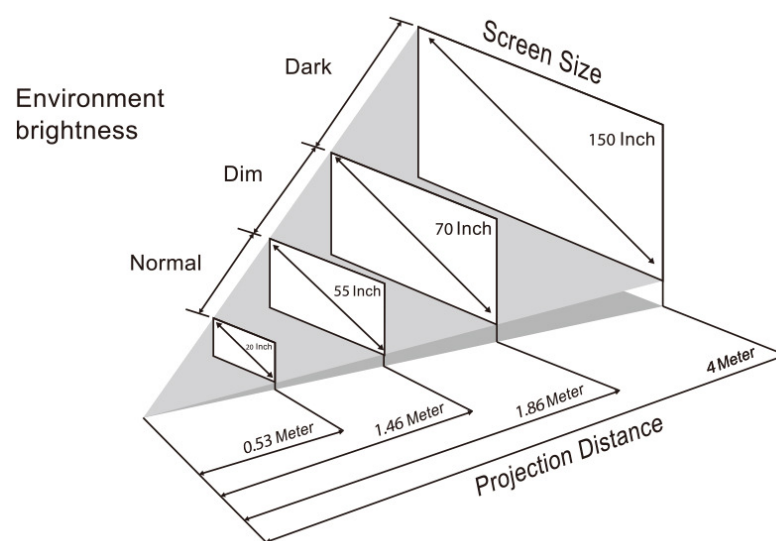
**The image appears reversed, see 🖥️.

🖥️ Use the **Mode** button on the projector or the remote control; then go to **Picture** > **Position** (Front/Rear/Invert Front/Invert Rear), and then select the desired projection method.

⚠ In rare situation, when projector is mounted on ceiling and behind the screen, it's better to turn projector with IR sensor pointing to remote control before securely mount the projector.

2.2 Adjust Projector Projection

2.2.1 Screen size & Projection distance



Screen size & Projection distance Table

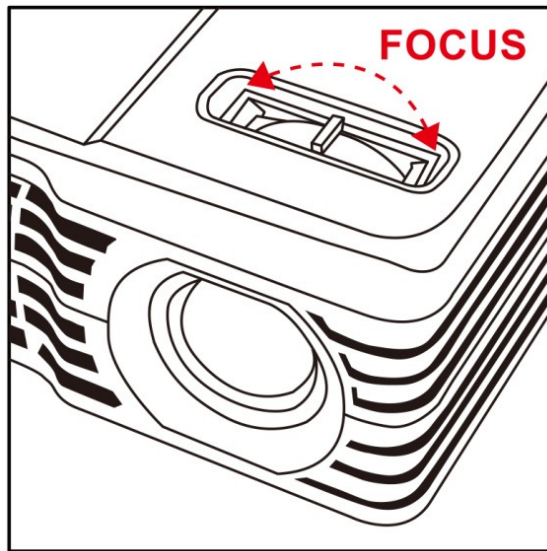
(Unit: inch)

Diagonal screen size d $d=1.179w$ $d=1.887h$	Screen Width w $w=0.848d$ $w=1.6h$	Screen Height h $h=0.53d$ $h=0.625w$	Projection Distance D $D=1.2343h$
60	50.9	31.8	62.8
72	61.0	38.2	88.9
84	71.2	44.5	103.7
100	84.8	53.0	104.6
120	101.8	63.6	125.6
136	115.3	72.1	167.9
150	127.2	79.5	157.0

Position the projector horizontally to the screen for the best projection image.

2.2.2 Manual Focus

After moving projector back and forth to select preference screen size, then manually adjust image clearness by turning the focus ring.



Trick

Projecting image, video, and presentation are not rocket science, you don't have to place projector by calculation or check related chart if playing in an easier way.

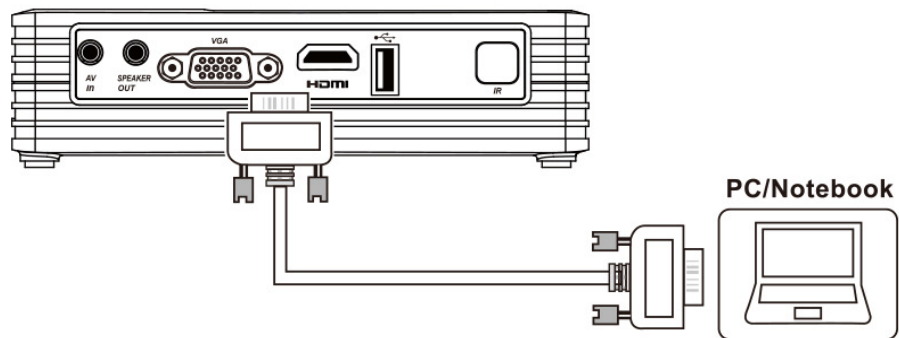
Here is a simple way to estimate the location of projector:

Use both hands to have rough arm span width then add about 20% of its length to quick estimating the distance between projector and screen.

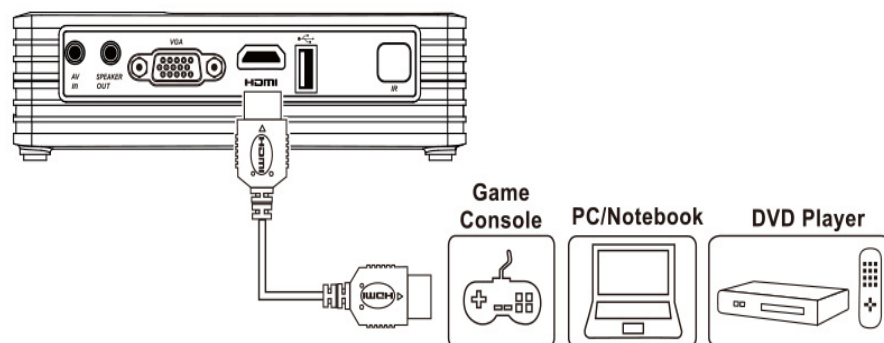
(The average arm span of adult males in the US is likely to be around 69.2 inches according to National Health and Nutrition Survey).

2.3 Conventional projection

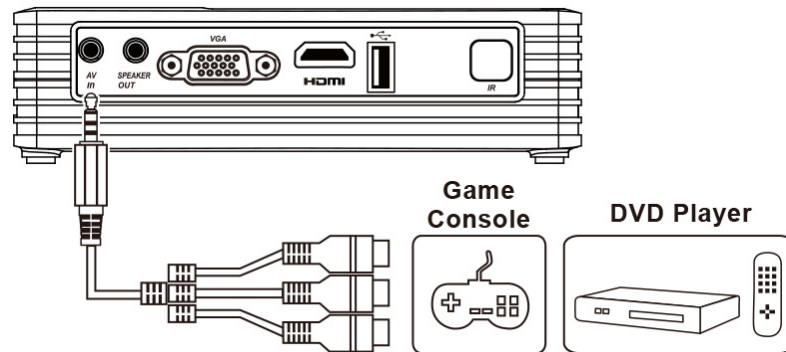
2.3.1 Connect to Computer or Notebook by VGA



2.3.2 Connect to Compatible Sources by HDMI

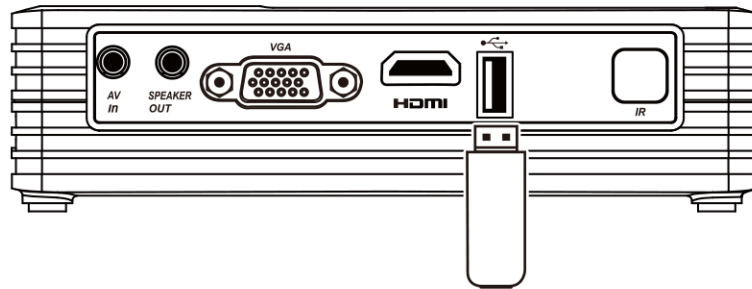


2.3.3 Connect to AV compatible (equipped) Video Sources by AV-in



2.4. Multimedia projection by USB

SHOWMX HD-5 becomes a multimedia player to project freely by storing movie, photo, and music data in USB disk.



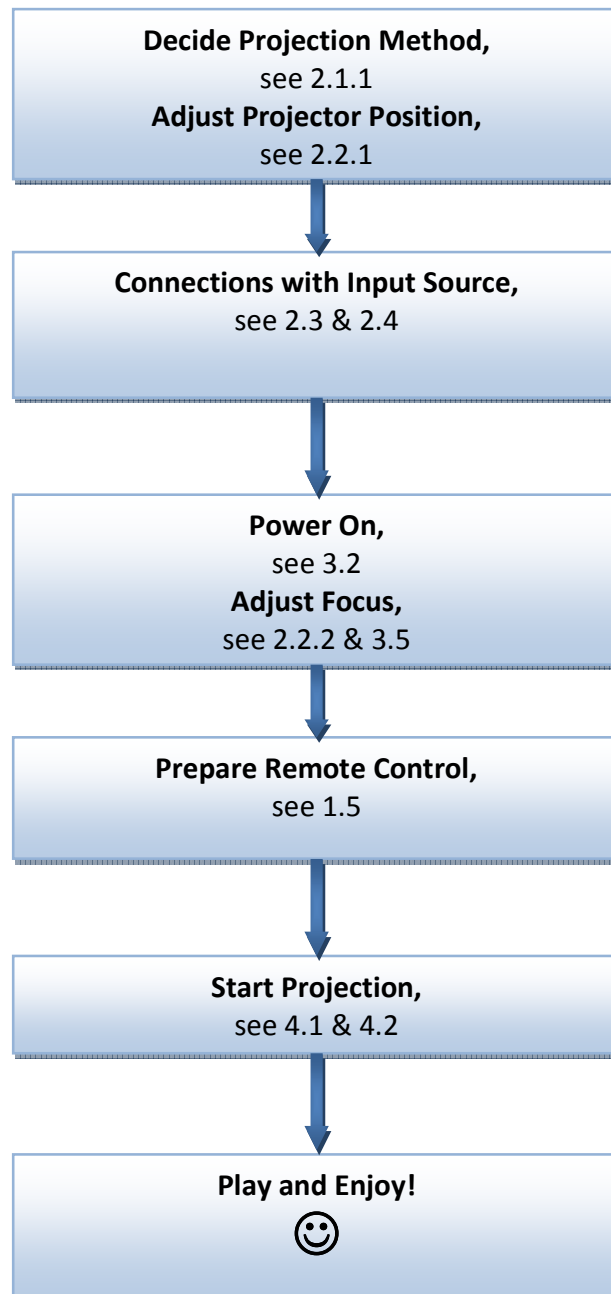
- ⚠ Please be advised, do not try to have projection practices in USB disk in non-multimedia applications; i.e. PowerPoint presentation, Word or PDF bible study, or Spreadsheet marketing analysis...etc. since only music, photo, and music files can be coded in projector.

🔍 Table of the supported display format by the projector


Signal	Resolution	H-Sync(KHz)	V-Sync(Hz)	Composite	VGA	HDMI
NTSC	—	15.734	60	●	—	○
PAL / SECA M	—	15.625	50	●	—	○
VESA	640 x 480	31.5	60	○	●	○
	640 x 480	37.9	72	○	●	○
	640 x 480	37.5	75	○	●	○
	800 x 600	35.2	56	○	●	○
	800 x 600	37.9	60	○	●	○
	800 x 600	48.1	72	○	●	○
	800 x 600	46.9	75	○	●	○
	1024 x 768	48.4	60	○	●	○
	1024 x 768	56.5	70	○	●	○
	1024 x 768	60	75	○	●	○
	1280 x 800	49.7	59.8	○	●	○
	1280 x 800	62.8	74.9	○	●	○
	1280 x 960	60	60	○	●	○
	1280 x 1024	63.98	60	○	●	○
	1280 x 1024	79.987	75	○	●	○
	1400 x 1050	65.3	60	○	●	○
	1440 x 900	70.6	75	○	●	○
	1440 x 900	55.6	60	○	●	○
	1600 x 1200	75	60	○	●	○
Apple Mac	640 x 480	35	66.68	○	●	○
	832 x 624	49.725	74.55	○	●	○
	1024 x 768	60.24	75	○	●	○
	1152 x 870	68.68	75.06	○	●	○
SDTV	480i	15.734	60	○	○	●
	576i	15.625	50	○	○	●
EDTV	480p	31.469	60	○	○	●
	576p	31.25	50	○	○	●
HDTV	720p	37.5	50	○	○	●
	720p	45	60	○	○	●
	1080i	33.8	60	○	○	●
	1080i	28.1	50	○	○	●
	1080p	67.5	60	○	○	●
	1080p	56.3	50	○	○	●

3. Basic Operation

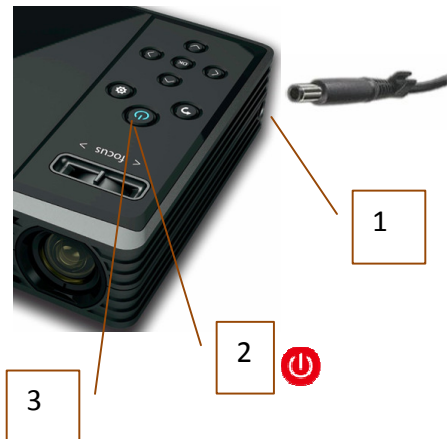
3.1 Quick Setup



3.2 Power On

1. Connect the power cord & AC adapter to wall outlet and projector's AC adapter jack.
2. The power button LED will turn *RED* when power source is established.
3. Turn on the projector by pressing  button on top of projector or the remote control.

The power LED will turn *BLUE* from *RED*.



- 🔊 If you see “No Signal” on the screen, check all the wires and cords are connected correctly.
- 🔊 Use the *Mode* button on projector *Source* button on remote to select the input signal (s).

3.3 Power Off

1. Turn off the projector by pressing power button on projector or remote.
2. Next, the screen will turn off, and the projector now has entered the shutting down mode.
3. Once in the process of shutting down, the cooling fan continues to operate about 8 second for cooling cycle.
4. The power LED will turn *RED* from *BLUE* when the cooling cycle is completed.
5. The projector has now entered standby mode.

- 🔊 Make sure the projector has completed its shutdown process before disconnect the power cord from the projector.

3.4 Power Indicator

LED Indicator

	The LED Power button LED on top of the projector
Stand by	<i>Red light</i>
Power On	<i>Blue light</i>

LED Error Message

Power LED Button	Message
Flashing <i>RED</i> and <i>BLUE</i> 3 times per second	Temperature is too high
Flashing <i>RED</i> and <i>BLUE</i> 5 times per second.	The projector system has problems with its fans
Flashing <i>RED</i> and <i>BLUE</i> 1 times per second.	The temperature is too high and projector system has problems with its fans

- ☞ Please shut down and unplug the power cords, wait for about a minute and then restart the projector if the above situation occurs.

3.5. Adjusting the Projector Focus

1. When the projection image is not clear, you should first turn the focus ring Until the image is clean and focus.
2. Ensure that the projector will focus at a distance from 18.8 to 150.4 inches (0.5 to 4 meters).

3.6 Adjusting Compatible Aspect Ratio

The distance from the projector lens to the screen, and the video format each factors in the projected image size.

SHOWMX HD-5 has default aspect ratio **16:10**.

To be able to project a complete 16:9 or 4:3 aspect ratio image, the projector can resize, and scale to the projector's native aspect width.

Since most projector screens are in 16:9 and 4:3 aspect ratio, when using projection screen there will be black bars on top and bottom of 16:9 screen and on the sides of 4:3 screen as shown on below.

The difference of projection on wall and screen

Project to Wall

Plan Wall



Project to Screen

16:9 Screens (Black bars on the sides)



Plan Wall



4:3 Screens (Black bars on top and bottom)



4. OSD (On Screen Display)

4.1 OSD Menu Selection

The menu options are structured and categorized.

- Some default settings vary by the selected input signal.
- Sub-menu items vary according to the selected input signal.
- Some settings are adjustable without any signals.



MOVIE → **Play**

Pause		Subtitle No Subtitle		Channel Channel 1	
FB FB2X		Slow FW SF2X SF4X SF8X SF16X			
FF FF2X FF4X FF8X FF16X		Step FW			
Prev		Zoom In 2X 4X 8X			
Next		Zoom Out 4X 2X 1X			
Stop		Repeat All Repeat None Repeat 1			
Aspect 4:3 16:9 Zoom1 Zoom2 Auto		Loop A-B Set A Set B None			



PHOTO→ Play

Pause

Rotate

Prev

Zoom In

1X

2X

4X

8X

Next

Zoom Out

1X

1/2X

1/4X

Stop

Repeat All

Repeat None

Repeat 1

Msc Off

Rotate



MUSIC → Play

Pause

Mute

FB

FB2X FB4X FB8X FB16X

FF

FF2X FF4X FF8X FF16X

Prev

Next

Stop

Repeat All

Repeat None

Repeat 1



SETTING

PICTURE

Picture Mode

Standard Movie User Bright Presentation

Color Mode

Medium Warm User Cool

Keystone -40 ~ 0 ~ +40

Auto Manual

Projection

Front Rear Invert Front Invert Rear

Aspect Ratio

PC Setup

SOUND

Sound Mode

Standard Music Movie Sports User

Balance -50 ~ 0 ~ +50

Surround Sound

Surround Off

OPTION

OSD Language

Restore Factory Default

OSD Stay On Timer

5 Sec 10 Sec 15 sec Off

SW ver.

4.2 OSD Menu Navigation

Main Menu

There are 5 options (icons) in the main page for easy access to resources and settings.








- **Movie:** To play movies, multimedia playing
- **Photo:** To present photos
- **Music:** Supports different types of audio files
- **Sources:** Provide input sources: AV / HDMI / HDMI-3D / VGA
- **Settings:** The screen will show setting menu options





4.2.1 To Play Movie



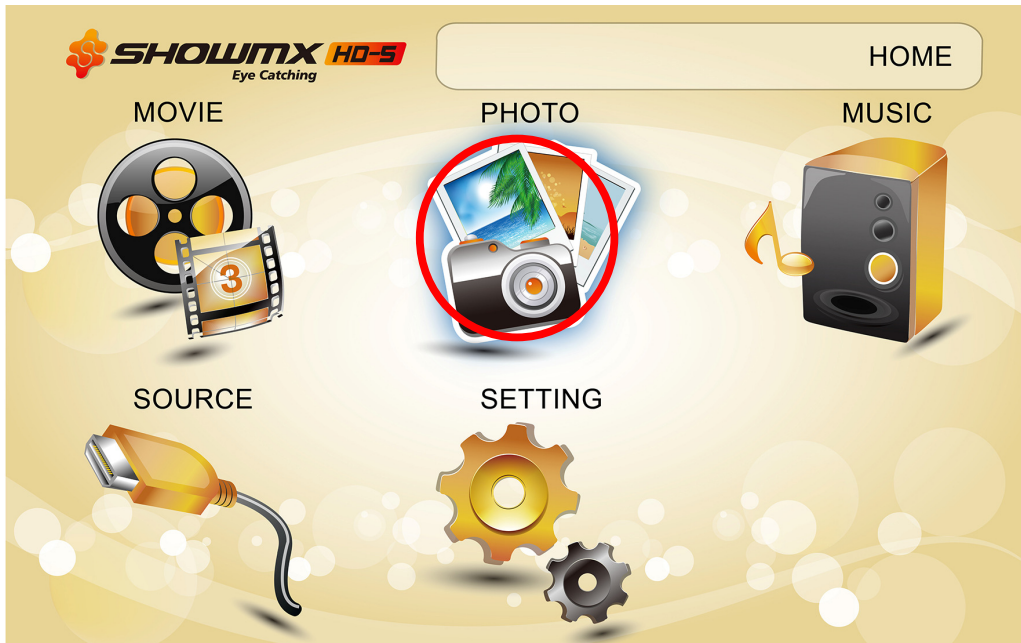
Please follow the below steps to open the menu for movie listing:

1. Press  button to choose the image format from the multimedia listings.
2. Press  button to open the file listings.
3. Press  or  button to choose from the movie listings.
4. Press  button to play movie.









- i. When playing the movie, the control bar interface will be hidden automatically. Press  button to show the control bar, or press  button to hide it.
- ii. You can choose different playing methods by pressing the  or  button when the control bars shows.
- iii. Supported video format -
MPEG1, MPEG2, MPEG4, H264, RM, RMVB, MOV, MJPEG, DivX, FLV.





4.2.2 To View Photo



Follow the below steps to open & browse the photos in the device:

1. Press  or  to choose the photo you wish to view.
2. Press  button to open the photo menu.
3. Press  or  button to choose the file menu.
4. Press  button to open the photo.



- i. When playing the photo, the control bar will be hidden automatically. Press  button to show the control bar, or press  button to hide it.
- ii. You can choose different playing functions by pressing the  or  button when the control bars shows.
- iii. Supported format -
JPG, BMP, PNG

4.2.3 To Play Music



Follow the below steps to open & browse the photos in the device:

1. Press or to choose the music you wish to play.
2. Press button to open the audio menu.
3. Press or button to choose the file menu.
4. Press button to play the music.



- i. When playing the photo, the control bar will be hidden automatically. Press button to show the control bar, or press button to hide it.
- ii. You can choose different playing functions by pressing the or button when the control bars shows.
- iii. Supported format –
MPEG1, MPEG2, MPEG4, H.264, RM, RMVB, MOV, MJPEG, DivX, FLV, JPEG, BMP, PNG.

4.2.4 Source Selections



SHOWMX HD-5 supported input sources: AV / HDMI / HDMI-3D / VGA
Please see page for Connections via various input sources.

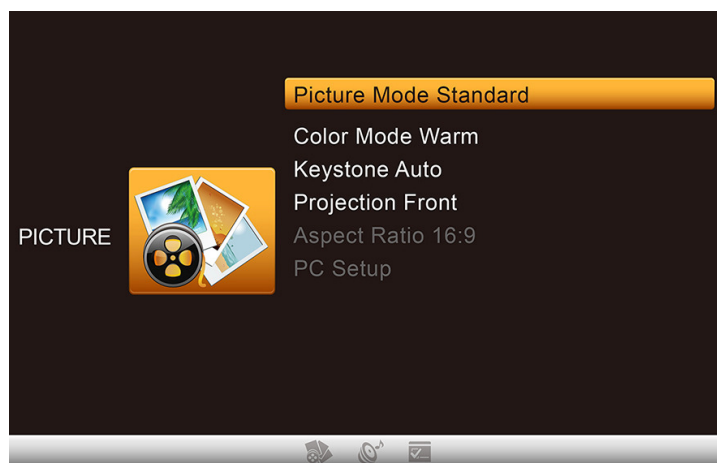
Note:

1. The HDMI-3D function will be enabled only when the frequency of the input image signal reaches 120Hz.
2. Please use the supported field-sequential 3D video contents on a computer or DVD player, plus DLP Link active electronic shutter glasses to watch 3D contents when the HDMI-3D function is enabled.

4.2.5 Settings



I. Picture Sub-Menu



■ **Picture Mode**

There are many factory presets optimized for various types of images.

Press the  button to enter Picture Mode menu, use  or  to select an item.

- Standard: Standardized color setting.
- Movie (Home Theater): This color setting is best used in a darker environment.
- High Bright: Maximum brightness. For use when the environment is bright.
- Presentation: For computer or notebook.
- User: Memorize user defined settings.

Contrast

Control the differences between the lightest and darkest parts of the pictures.

This function can only be adjusted when the picture mode is in “user” settings.

Brightness

Adjust the brightness of the image.

This function can only be adjusted when the picture mode is in “user” settings.

Sharpness

Adjust the sharpness of the image.

This function can only be adjusted when the picture mode is in “user” settings, and, the input source is HDMI or AV.

Color

Saturation: Adjust a video image from black and white to fully saturated color.

This function can only be adjusted when the picture mode is in “user” settings, and, the input source is HDMI or AV.




Tint

Adjust the color balance of red or green .

This function can only be adjusted when the picture mode is in “user” settings, and, the input source is AV.




■ **Color Mode**

Adjust the color temperature. At higher temperature, the screen looks colder; at lower temperature, the screen looks warmer.

Press the  button to enter Color Temperature menu, use  or  to select a desired color setting.


The intensity of each of 3 color (Red, Green, Blue) can be changed when the color temperature settings is in “user” setting.

Keystone

Press the  button to use Keystone function, use  or  to choose from Manual/Auto Keystone.


- 1) Auto Keystone: Automatically adjust image distortion vertically resulting from an angled projection.
- 2) Manual: Press ◀ or ▶ button to adjust image distortion vertically resulting from an angled projection. (± 45 degree).

Projection

Press the  button to Projection menu, use ◀ or ▶ to select a projection method: Front, Invert Front, Rear or Invert Rear.

Aspect Ratio


SHOWMX HD-5 has default aspect ratio 16:10.

To choose how the picture fits on the screen, press  button to Aspect Ratio, use ▲ or ▼ button to choose desired aspect ratio:

Auto / 4:3 / 16:9 / Zoom 1 / Zoom 2 / Just Scan / Point to Point / Full.

- 1) Auto: Automatically selects the appropriate display format. This function is available when the input source is HDMI or AV.
- 2) 4:3: The image is displayed in the center of the screen with 4:3 aspect ratios.
- 3) 16:9: Scales an image so that it is displayed in the center of the screen with 16:9 aspect ratios.
- 4) Panorama (Full): The image fills the full screen.
- 5) Zoom1, Zoom2: Functions available when the input source is HDMI or AV.
- 6) Just Scan: This function is available when the input source is HDMI.
- 7) Point to Point: The image is displayed in a point to point ratio. This function is available when the input source is HDMI or VGA.

Computer Setup

Press  button to enter the display mode, use ▲ or ▼ button to choose different setting.

- 1) Auto Adjust: Image positioning and synchronization are automatically adjusted.
- 2) Horizontal Position: Press ◀ or ▶ button to adjust the pictures left and right direction.
- 3) Vertical Position: Press ◀ or ▶ button to adjust the pictures down and up direction.
- 4) Image Size: Press ◀ or ▶ to adjust the sizes of the image.
- 5) Phase: Press ◀ or ▶ to adjust the position of the image.


Note:



The Computer Setup is available when the projector is connected to the computer via VGA cable.

II. Sound Sub-Menu



■ **Sound Mode**




Press  button to enter the sound submenu to choose different sound mode.

Use  or  button to choose from the following modes:




Standard / Music / Video / Sport / User.

Note: “Treble” and “Base” settings can only be adjusted when using “User” mode.

Balance

Press  button to use the Balance settings. Press the  or  button to adjust the volume of the right and left voice channel (-50 ~ 50).




Surround Sound

Press  button to enter the surround sound settings. Use  or  button to turn on, or turn off the surround sound effect.




III. Option Sub-Menu






OSD Language

Press  button to enter the OSD multilingual submenu, and press  or  to choose your preferred language.

Restore Factory Default

Press  button to restore back to the original manufacture settings.
Press  or  button to ensure if it is back to the original setting.

OSD Stay On Timer

Press  button to show STAY ON Timer on projector.
Press  or  button to choose the duration timer of operating projector.
Selection: Off, 5 seconds, 10 seconds and 15 seconds.

SW Ver. (Software Version)

To show projector's software version.

5. Appendix

5.1 Troubleshooting


- Most common problems & possible solutions.

The following information offers solutions to some of the common problems you may experience with your projector. Please contact your reseller for help if the problem persists.


1. No image (display) on the screen.

- 1) Make sure all the cables and power cords are correctly & securely connected.
- 2) Ensure that the playing device is turned on & not in "mute" or "standby" mode.
- 3) Ensure all the pins of connectors are not bent or broken.
- 4) Make sure the equipment is connected to the projector correctly and is turned on.
- 5) Use remote control or button for signal input.

2. The image is displayed partially or incorrectly when connecting to computer.

- 1) Press  button on the remote control and select [VGA] mode and check the computer display resolution.
- 2) Turn off and restart all devices including the projector then problem should be gone.

3. The image is displayed partially or incorrectly when connecting to laptop.

- 1) Press  button on the remote control and select [VGA] mode.
- 2) If problem is not resolved, next, check the computer video setting by:
Open the "My Computer" icon, in the "Control Panel" folder, click on "Display" icon. Select "Settings", and verifies that your display resolution setting is adjusted correctly.

Please turn off and restart all devices including the projector if the image and resolutions cannot be changed for the notebook.

4. The computer's monitor or the screen of the notebook is not playing presentation image.

- 1) If you are using Microsoft® Windows® notebook. Some notebook computers may deactivate their own screen when a second display device is in use. Please refer to your computer's manual for detailed information.
- 2) If you are using Apple® Mac® Operating system notebook. Go to "System Preference", open "Display", select "Arrangement", and choose "Mirror Display".

5. Image has vertical bars.

Make sure the display mode in your computer is in “default” setting and matches the display data frequency of your projector.

6. The image is blurred.

- 1) Adjust the focus by turning the focus ring on top of the projector.
- 2) Make sure the projection is within the suggested range 20” - 160” (0.5m -4.0m). Please refer to “Screen size & projection distance” section.
- 3) If the lens is covered with dust or stain, clean the lens lightly with optical cloth.


7. Projection image on the screen is stretched when displaying widescreen 16:9 DVD.

When you play DVD, the projector will show image in 16:9 format.


You may need to make adjustment:

- a) If your DVD plays in 4:3 format, please change the projector’s format to 4:3 in the OSD setting.
- b) If the image appears stretched, you will also need to adjust the aspect ratio on you DVD player by setting up the display format as 16:9 (wide) aspect ratio type on your DVD player.


8. The image is too small or too big.

- a) Move the projector forward or backward to the screen.
- b) Press the  button on the remote control or on the projector, from main menu, choose OPTION > Aspect ratio and change to the right setting.

9. Image has slanted sides.

- 1) Place the projector in a position that is horizontally centered on the screen.
- 2) Press  button on the remote control or on the projector, go to SETTINGS > PICTURE > Keystone, change the setting to “Auto Keystone”.

10. Image is reversed

Press  button on the remote control or on the projector, go to SETTINGS > PICTURE > projection from the OSD to adjust projection method.


11. The projector stops responding to all controls.

Turn off the projector, and then unplug the power cords. Please wait for at least 30 seconds, then reconnecting & turn on the power.

12. The projector has no response to the remote control.

- 1) Aim the remote control to the receiver of the projector, see if it is responding.
- 2) Make sure nothing is blocking in between of the remote control and the projector.
- 3) Check the battery of the remote control.
- 4) Turn off any device that has infrared.

13. No sound.

- a) Make sure all the cables and wiring are connected securely and correctly.
- b) Press  button on the remote control or on the projector to increase the sound volume.
- c) Use other speaker to test the output of the audio sources.

14. Power issue (The power is not on).

- 1) Check if the power cable is loose.
- 2) Do not on and off the projector in a short time.
- 3) Check warning light indicator.

5.2 Specifications

Product Name/ Model	SHOWMX HD-5
Resolution	WXGA (1280x800)
Display Panel	TI DLP® 0.45"
Aspect Ratio	4:3 ,16:9 & full
Uniformity	85%
Color Gamut	> 130% NTSC
Contrast Ratio	2000:1
Projection Lens	Manual Optical Focus
Throw Ratio	1.23:1 (Distance/Width)
Projection Screen (Diagonal)	18.8 – 150.4"
Projection Distance	19"~90" (0.5 - 4.0m)
Projection OFF SET	100%
LED Life	20,000 hours
Projection method	Front-desk, Front-ceiling, Rear-desk, Rear-ceiling
Keystone: auto vertical Keystone correction	± 40°
Color Number	1.07 Billion
Horizontal frequency	15, 30 to 90 KHz
Vertical frequency	43 to 85 Hz
Computer Compatibility	UXGA, WXGA, SXGA+, SXGA, XGA, SVGA, VGA VESA Standards, PC and Mac Compatible
Video Compatibility	SDTV (480i), EDTV (480p), HDTV (720p,1080i/p), NTSC/NTSC 4.43, PAL B/G/H/I/M/N 60, SECAM
Input	Standard-HDMI, VGA, 3.5mm AV-In, 3.5mm Audio-Out, USB
Audio	2W x 2 (stereo) Speaker
Weight	0.6 Kg (1.32 lbs)
Dimension (L x W x H)	150 mm x 38 mm x 135 mm (5.9" x 1.4" x 5.3")
Power Consumption	Power adapter: AC 100-240V, 50/60Hz Power consumption:<70W (operation) Power consumption:<0.5W (standby)
Operation Conditions (Temperature)	0° to 35°C (32° to 95°F)
Regulations	FCC, CE, CCC,KCC ,VCCI ,ICC, UL, TUV, PSE, RoHS

5.3 Compliance Information

FCC Notice

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.

Warning

This device has been tested and found to comply with the limits for 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 device generates, uses and can radiate radio frequency energy and, if not installed and use 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 device 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:

- Relocate the position of device.
- Increase the separation between the device and receiver.
- Connect the device into an outlet on a circuit different from that to which the suspect antenna is connected.
- Consult the dealer or an experienced radio/television technician for help.

Note:

Use of shielded cable is required to comply with class B limits in Subpart B of Part 15 of FCC rules.

Caution:

The Federal Communications Commission warns that changes or modifications not expressly approved by the manufacturer could void the user's authority to operate this device.



CE Conformity for European Countries



This device complies with the EMC Directive 2004/108/EC.

Doc Compliance Notice (For Canada)

This Class B digital apparatus complies with Canadian ICES-003.

Remarque à l'intention des utilisateurs canadiens Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada.

Other Certifications: CCC, KCC, VCCI, ICC, UL, TUV, PSE, RoHS...