RICOH

RICOH PJ WXC1110

User's Manual

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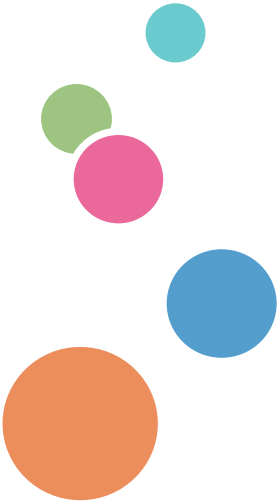

Read this manual carefully before you use this machine and keep it handy for future reference. For safe and correct use, be sure to read the Precautions in this manual before using the machine.

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Precautions



Follow all warnings, precautions and maintenance as recommended in this user's guide to maximize the life of your unit.

- Warning- **Indicates a potentially hazardous situation which, if instructions are not followed, could result in death or serious injury.**

- Caution- **Indicates a potentially hazardous situation which, if instructions are not followed, may result in minor or moderate injury or damage to property.**

- Warning- Do not place vases, plant pots, cups, toiletries, medicines, small metal objects, or containers holding water or any other liquids, on or close to this machine. Fire or electric shock could result from spillage or if such objects or substances fall inside this machine
- Warning- Keep the machine and attachments out of the reach of children. If the machine is near children, it may cause injury.
- Warning- Plastic bags can be dangerous, please do not leave near babies and young children. To avoid the threat of suffocation, please keep away from their nose and mouth.
- Warning- Do not use any power sources other than those that match the specifications shown in this manual. Doing so could result in fire or electric shock.
- Warning- Do not damage, break, or modify the power cord. Also, do not place heavy objects on the power cord, or pull the cord or bend it severely. Doing so could result in fire or electric shock.
- Warning- Touching the prongs of the power cable's plug with anything metallic constitutes a fire and electric shock hazard.
- Warning- The supplied power cord and AC adapter are for use with this machine only. Do not use them with other appliances. Doing so could result in fire or electric shock.

- Warning- Do not use flammable sprays or solvents in the vicinity of this machine. Also, avoid placeing these items in the vicinity of this machine. Doing so could result in fire or electric shock .
- Warning- Be sure to use the power cord and the AC adapter supplied in this projector.
- Warning- It is dangerous to handle the power cord plug with wet hands. Doing so could result in electric shock.
- Warning- Be sure to disconnect the plug from the wall outlet at least once a year and check for the following:
  - There are burn marks on the plug.
  - The prongs on the plug are deformed.

  If any of the above conditions exist, do not use the plug and consult your dealer or service representative. Use of the plug could result in fire or electric shock.
- Warning- Be sure to disconnect the power cord from the wall outlet at least once a year and check for the following:
  - The power cord's inner wires are exposed, broken, etc.
  - The power cord's coating has a crack or dent.
  - When bending the power cord, the power turns off and on.
  - Part of the power cord becomes hot.
  - The power cord is damaged.

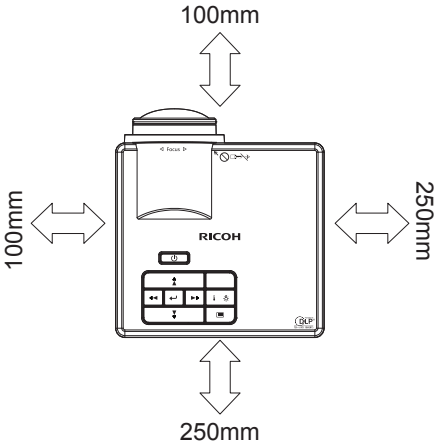
  If any of the above conditions exist, do not use the power cord and consult your dealer or service representative. Use of the power cord could result in fire or electric shock.
- Warning- Do not use the AC adapter or the connection cable if it is deformed, cracked, or damaged. Doing so could result in fire or electric shock. If the connection cable is deformed, cracked, or damaged, contact your service representative to request a replacement cable.
- Warning- When using an extension cord or power strip, only connect equipment whose total power consumption is within the power rating for the extension cord or power strip. If the power rating is exceeded, it may cause heat buildup and result in fire.
- Warning- Plastic bags can be dangerous, please do not leave near babies and young children. To avoid the threat of suffocation, please keep away from their nose and mouth.

Usage Notice

- Warning- If the machine emits smoke or odours, or if it behaves unusually, you must turn off its power immediately. After turning off the power, be sure to disconnect the power cord plug from the wall outlet. Then contact your service representative and report the problem. Do not use the machine. Doing so could result in fire or electric shock.
- Warning- If metal objects, or water or other fluids fall inside this machine, you must turn off its power immediately. After turning off the power, be sure to disconnect the power cord plug from the wall outlet. Then contact your service representative and report the problem. Do not use the machine. Doing so could result in fire or electric shock.
- Warning- Never operate this unit on AC power during a thunderstorm. If you see lightning or hear thunder, never touch the unit, cables and/or peripherals. An electric surge caused by the storm, may result in an electrical shock or damage to the unit.
- Warning- If the machine topples, or if a cover or other part gets broken, you must turn off its power immediately. After turning off the power, be sure to disconnect the power cord plug from the wall outlet. Then contact your service representative and report the problem. Do not use the machine. Doing so could result in fire or electric shock.
- Warning- Do not use lens cap when projector is powered on
- Warning- Never push objects of any kind into this product through openings as they may touch dangerous voltage points or short-out parts that could result in a fire or electric shock. Never spill liquid of any kind on the product.
- Warning- Do not place or keep the projector within the reach of the children. It may fall or tip over, possibly causing serious injury
- Warning- Do not remove any covers or screws that are not mentioned in this manual. There are high voltage components inside the machine that may cause electric shock. Contact your service representative if any of the machine's internal components require maintenance, adjustment, or repair.
- Warning- Do not disassemble or modify the machine. Doing so may cause injury or malfunction.
- Warning- Installing the Projector into 360° installation:

a) PJ WXC1110 Series weighs approximately 0.5kg. The projector must be installed in a location that is sturdy enough to support the full weight of the projector and brackets.
b) For 360° installation, install the projector with the intake vent and exhaust vent at the bottom and leave a space at least following distance from the floor.

- Warning- Do not mount this machine on the wall or ceiling. It may fall, possibly causing serious injury.
- Warning- There is a screw hole on the bottom face of the projector body, which can be used to mount the projector on a tripod or other structure.
  Use only a structure that is designed to support the weight of the projector (0.5 kg).



- Caution- Keep the machine away from humidity and dust. Otherwise a fire or an electric shock might occur.
- Caution- Do not place any objects on the machine. Doing so may cause the machine to topple over, possibly resulting in injury.
- Caution- Do not place the machine on an unstable or tilted surface. If it topples over, an injury might occur.
- Caution- Do not place the machine or use it in an environment where it might get wet such as from snow, rain, or being near water. Doing so could result in fire or electric shock.

Usage Notice

- Caution- Do not put your face or hand near the exhaust vents. Doing so could result in burns or an accident due to hot air coming from the exhaust vents.
- Caution- Do not use the machine on soft material such as paper or cloth that might get sucked into the intake vents. Doing so may cause heat buildup inside the machine, resulting in malfunction, burns, or fire.
- Caution- Do not place the machine in a location where air flow is poor. Doing so may cause fire due to internal components becoming overheated.
- Caution- Do not place or store the machine in a location where direct sunlight or heat generation might occur. The heat may deform or wear out the exterior parts or negatively affect internal parts. Doing so could result in fire.
- Caution- Do not place low heat resistant material near the exhaust vents. Hot air may come from the exhaust vents, resulting in damage to the machine or an accident.
- Caution- Do not obstruct the machine's vents. Doing so risks fire caused by overheated internal components.
- Caution- Push the power plug all the way into the power outlet. Do not use a power outlet with a loose connection. Doing so may result in heat buildup. Plug the power cord in the correct direction into the base. If they are not plugged in correctly, it could result in smoke, fire, or electric shock.
- Caution- If this machine is not going to be used for several days or longer at a time, disconnect its power cord from the wall outlet.
- Caution- When disconnecting the power cord from the wall outlet, always pull the plug, not the cord. Pulling the cord can damage the power cord. Use of damaged power cords could result in fire or electric shock.
- Caution- Be sure to disconnect the plug from the wall outlet and clean the prongs and the area around the prongs at least once a year. Allowing dust to build up on the plug constitutes a fire hazard.
- Caution- When performing maintenance on the machine, always disconnect the power cord from the wall outlet.

- Caution- Do not place the power cord and connection cable in a way that might cause someone to trip and fall. The machine might fall over and cause an injury.
- Caution- The machine may be very hot after it is turned off, especially the vents. Avoid touching these areas. Doing so may result in burns.
- Caution- Do not place the machine on other equipment or vice versa. Doing so may cause heat buildup inside the machine or cause the other equipment to malfunction.
- Caution- Do not increase the volume unless you are listening while increasing the volume. Also, lower the volume before turning off the power, because a loud sound may be emitted when the power is turned on and cause hearing damage.
- Caution- If the machine's interior is not cleaned regularly, dust will accumulate. Fire and breakdown can result from heavy accumulation of dust inside this machine. Contact your sales or service representative for details about and charges for cleaning the machine's interior.
- Caution- Unplug the power cord from the wall outlet before you move the machine. While moving the machine, take care that the power cord is not damaged under the machine. Failing to take these precautions could result in fire or electric shock.
- Caution- Do not use attachments not recommended by RICOH. Use of an incompatible attachments could cause hazards or damage to the product.
- Caution- Unplug this product from the wall outlet and take the product to qualified service personnel if you encounter any of the following conditions:
  a) The power supply cord or plug is damaged.
  b) Liquid has been spilled, or objects have fallen into the product.
  c) The product has been exposed to rain or water.
  d) The product does not operate normally when following the operating instructions. Adjust only those controls that are covered by the operating instructions.
  e) The product has been dropped or damaged in any way. (If the cabinet should break, please handle with care to avoid injury.)

Usage Notice

- Caution- This product incorporates glass components, including a lens. If these should break, please handle with care to avoid injury and contact your sales representative for repair service. Avoid any broken pieces of glass since they may cause injury.
- Caution- Unauthorized substitutions may result in fire, electric shock, or other hazards.
  Upon completion of any service or repairs to this product, ask the service technician to perform safety checks to verify that the product is in proper operating condition.
- Caution- Do not use the product in a closed installation location. Do not place the product in a box or in any other closed installation location. Otherwise it may overheat, which could result in a risk of fire.

REMOTE CONTROL BATTERY

Warning

• Never throw batteries into a fire.

Using the batteries improperly may cause them to explode or leak and may result in serious injury. If battery-leaking fluid contacts skin, wash the fluid off immediately with clean water and consult a doctor. If the fluid spills on an instrument, avoid contact and wipe it off using tissue paper. Then dispose of the used tissue paper as flammable garbage after moistening the tissue with water.

• Do not ingest battery, Chemical Burn Hazard.

The remote control supplied with this product contains a coin cell battery. If the coin cell battery is swallowed, it can cause severe internal burns in just 2 hours and can lead to death.

• Keep new and used batteries away from children.

If the battery compartment does not close securely, stop using the product and keep it away from children. If you think batteries might have been swallowed or placed inside any part of the body, seek immediate medical attention.

Notes

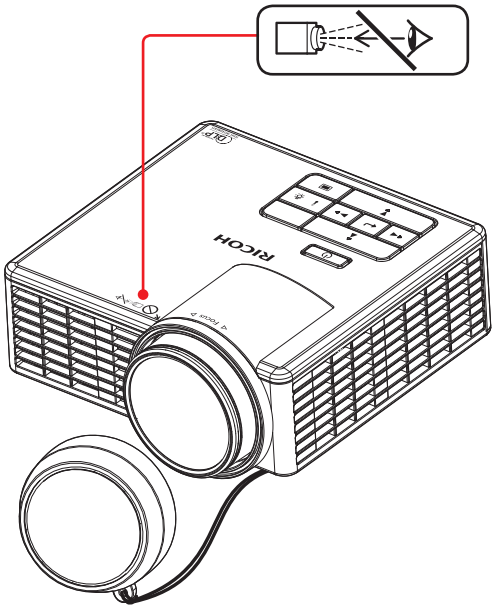
- Be sure to use CR2025 lithium 3V coin battery.
- Dispose of batteries in a designated disposal area.
- Attention should be drawn to the environmental aspects of battery disposal.
- If the remote control does not operate correctly, or if the operating range becomes reduced, replace the batteries.
- Avoid contact with water or liquid.
- Do not expose the remote control to moisture or heat.
- Do not drop the remote control.
- If the battery has leaked in the remote control, carefully wipe the case clean and install new battery.
- Dispose of used batteries according to the instructions.
- The remote control may fail to operate if the infrared remote sensor is exposed to bright sunlight or fluorescent lighting.

Important:
Contents of this manual are subject to change without prior notice. In no event will the company be liable for direct, indirect, special, incidental, or consequential damages as a result of handing or operating this product.

Safety Labels of This Machine

Do not look into the lens while the LED lamp is on. The strong light from the LED lamp may cause damage to your eyesight.

If you wish to discard this product, please contact your local authorities, the shop where you bought this product, your local dealer or sales/service representatives.



Regulation & Safety Notices

This appendix lists the general notices of your Projector.

Notice: Users in the United States of America

FCC notice

MODEL NAME: RICOH PJ WXC1110

TRADE NAME: PROJECTOR
MODEL NAME: RICOH PJ WXC1110
Tested To Comply
With FCC Standards
FOR HOME OR OFFICE USE

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.

This device 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 device 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 device does cause harmful interference to radio or television reception, which can be determined by turning the device 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.
- Increase the separation between the device and receiver.
- Connect the device into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/television technician for help.

Usage Notice

RESPONSIBLE PARTY: Ricoh Americas Corporation
5 Dedrick Place, West Caldwell, NJ 07006
Phone: 973-882-2000

Notice: Shielded cables

All connections to other computing devices must be made using shielded cables to maintain compliance with FCC regulations.

Caution

Changes or modifications not expressly approved by the manufacturer could void the user's authority, which is granted by the Federal Communications Commission, to operate this projector.

Notes to Users in the State of California

Perchlorate Material - special handling may apply, See www.dtsc.ca.gov/hazardouswaste/perchlorate.

WARNING: Handling the cord on this product will expose you to lead, a chemical known to the State of California to cause cancer, and birth defects or other reproductive harm. ***Wash hands after handling***.

Notes to Canadian Users
Remarques à l'attention des utilisateurs au Canada

Declaration of Conformity for EU countries

- EMC Directive 2004/108/EC (including amendments)
- Low Voltage Directive 2006/95/EC

Notice: Users in EU countries

CE Marking Traceability Information (For EU Countries Only)

Manufacturer:
Ricoh Co., Ltd.
3-6 Nakamagome 1-chome, Ohta-ku, Tokyo. 143-8555, Japan

Importer:
Ricoh Europe PLC
20 Triton Street, London. NW1 3BF, United Kingdom

User Information on Electrical and Electronic Equipment

Users in the countries where this symbol shown in this section has been specified in national law on collection and treatment of E-waste.

Our Products contain high quality components and are designed to facilitate recycling.
Our products or product packaging are marked with the symbol below.



This product contains substances which are harmful to humans and the environment.
Please dispose of this product in accordance with local regulations.

Usage Notice

The symbol indicates that the product must not be treated as municipal waste. It must be disposed of separately via the appropriate return and collection systems available. By following these instructions you ensure that this product is treated correctly and help to reduce potential impacts on the environment and human health, which could otherwise result from inappropriate handling. Recycling of products helps to conserve natural resources and protect the environment.
For more detailed information on collection and recycling systems for this product, please contact the shop where you purchased it, your local dealer or sales/service representatives.

Notice: Users in Turkey

EEE Yönetmeliğine Uygundur.
Bu sistem sarf malzemeleri ve yedek parçaları da dahil olmak üzere EEE Yönetmeliğine Uygundur.

All Other Users

If you wish to discard this product, please contact your local authorities, the shop where you bought this product, your local dealer or sales/service representatives.

Notice: Users in the EU

Note for the Battery and/or Accumulator Symbol



In accordance with the Battery Directive 2006/66/EC Article 20 Information for end-users Annex II, the above symbol is printed on batteries and accumulators. This symbol means that in the European Union, used batteries and accumulators should be disposed of separately from your household waste. In the EU, there are separate collection systems for not only used electrical and electronic products but also batteries and accumulators. Please dispose of them correctly at your local community waste collection/recycling centre.

Notice: Users in Taiwan



廢電池請回收

請勿將電池當作一般垃圾丟棄。這個標誌表示電池不應視為一般垃圾丟棄。僅適用於台灣。

Other Information

Copyrights to Images
When projecting images using the projector, be careful not to infringe the copyright of protected materials. The following are examples that may infringe the copyright of protected materials.

- Broadcasting images or movies for commercial purposes
- Modifying images or movies using functions such as freeze, magnify, or zoom to broadcast images for commercial purposes or public viewing
- Varying the aspect ratio of images or movies using a function that changes the screen size to broadcast images for commercial purposes or public viewing

Note to Users Viewing 3D Images

Pay attention to the following points when viewing images using 3D glasses with projector:

- How 3D images are viewed may vary according to the individual.
- Do not use 3D glasses for viewing any material other than 3D images.
- Before viewing 3D images, make sure to read the manuals provided with your 3D glasses and 3D compatible content.
- Avoid viewing 3D images for a long period of time. Take a break of 15 minutes or longer after every hour of viewing.
- If you feel sick while viewing 3D images, stop viewing them. If you continue to feel sick, consult a doctor.
- When viewing 3D image in a room where on LED lighting system or fluorescent lights are used, you may feel that the light in the room flickers. If this is the case, dim the lights until you do not notice any flickers, or turn off the lights.
- If you or any member of your family has a history of light-sensitive seizures, consult a doctor before viewing 3D images.

Product Features

Outstanding features include:

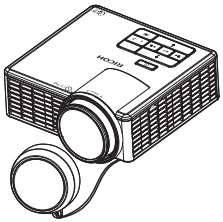
- WXGA(1280×800)
- Single chip DLP® technology
- SDTV(480i/576i), EDTV(480p/576p), HDTV(720p/1080i/1080p) compatible
- LED light source, 20000H life
- Multi-Auto functions: Auto detection, Auto image and Auto saving the adjustments
- Full function remote control
- User friendly multilingual on screen display
- Advanced digital keystone correction and high quality full screen image re-scaling
- Built-in mono 1.5-Watt speaker.
- UXGA, WXGA, SXGA+, SXGA, XGA compression and VGA re-sizing
- Macintosh compatible

Package Overview

This projector comes with all the items shown below. Check to make sure your unit is complete. Contact your dealer immediately if anything is missing.

Note

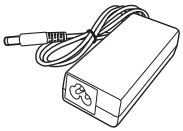
❖Due to the difference in applications for each country, same regions may have different accessories and documents.



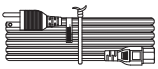
Projector with lens cap



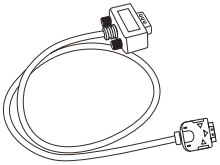
Remote control (CR2025 battery is contained)



AC adapter



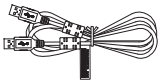
Power cord



RGB cable



CD-ROM



USB A-A cable

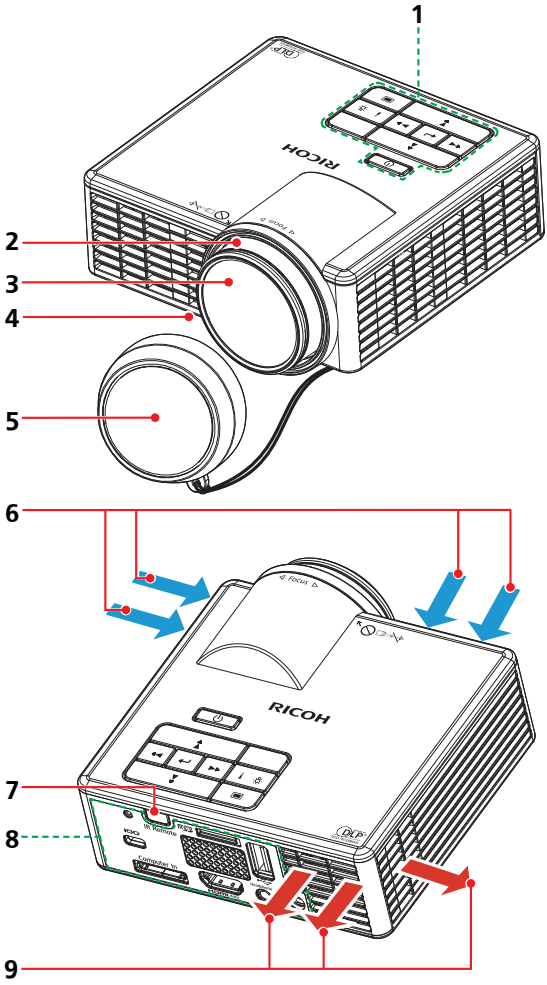


Carrying Bag

Documentation:

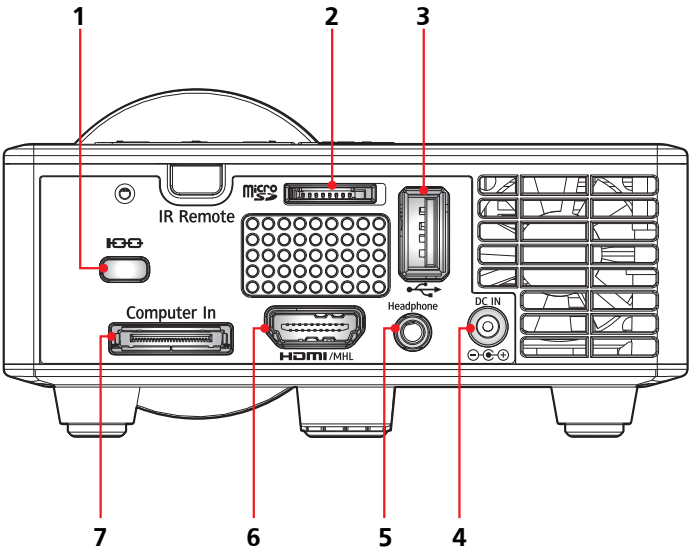
- ☐ Read This First
- ☐ Warranty Card

Product Overview



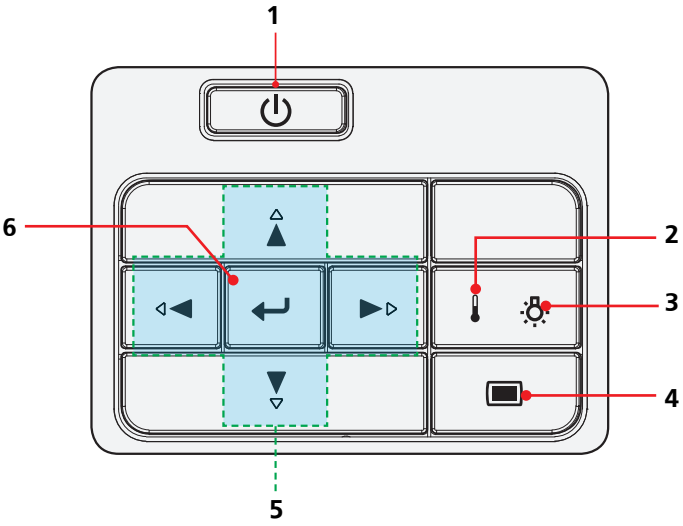
1. Control panel
2. Focus ring
3. Lens
4. Adjustable feet
5. Lens cap
6. Ventilation (inlet)
7. Infrared remote sensor
8. Connection ports
9. Ventilation (outlet)

Connection Ports



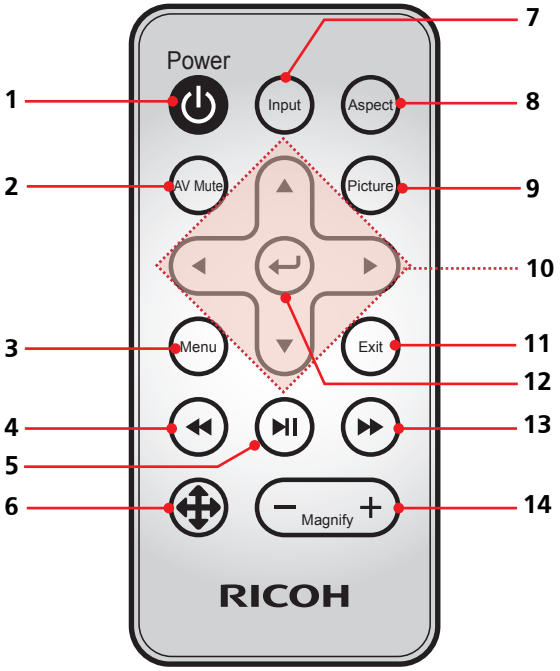
1. Anti-theft lock hole
2. MicroSD card slot
3. USB Type A terminal
4. DC IN pluged jack
5. Headphone jack
6. HDMI / MHL terminal
7. Computer In terminal

Control Panel



1	Power	Refer to the "Power On/Off the Projector" section. Please see pages 28~29.
2	Temp Indicator	Indicate the projector's temperature status.
3	Error Indicator	Indicate the projector's error status.
4	Menu	Press the ▣ button to launch the Onscreen display (OSD).
5	Four Directional Select Keys	Use ▲, ▼, ◀, or ▶ to select items or make adjustments to your selection.
6	Enter	Confirm your section of items in sub menu operation.

Remote Control



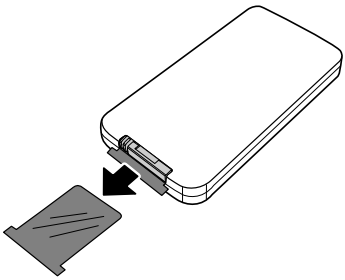
1	Power	Turns the projector on/off.
2	AV Mute	Mutes/unmutes audio and/or video depending on the chosen mute option in the OSD menu (“Menu” > “Setup” > “Advanced” > “Mute”).
3	Menu	Turns the main menu on/off or returns to upper level in the menu operations.
4	Rewind	Searches backward.
5	Play/Pause	Plays/pauses media file.

6	Moving mode	Enters Moving mode
7	Input	Select Input sources
8	Aspect	Selects Aspect among Auto, 4:3,16:9, 16:10.
9	Picture	Select Picture mode.
10	▲▼◄►	Uses to operate menu.
11	Exit	Returns to the previous page.
12	Enter	Confirms your section of items in menu system.
13	Fast Forward	Searches forward.
14	Magnify	Scaling the image.

Remote Control Battery Installation

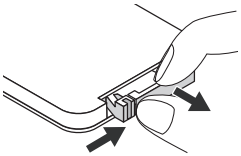
For the First Time

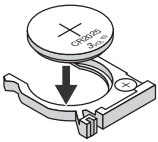
Before using the remote control for the first time, remove the transparent insulation sheet.

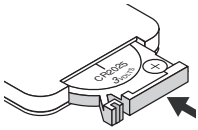


Replace the Battery

1. Remove the battery holder by holding down the side release firmly and pulling out the battery holder.
2. Remove the old battery and install new one (CR2025). Ensure that the side with a "+" is facing up.
3. Replace the battery holder.







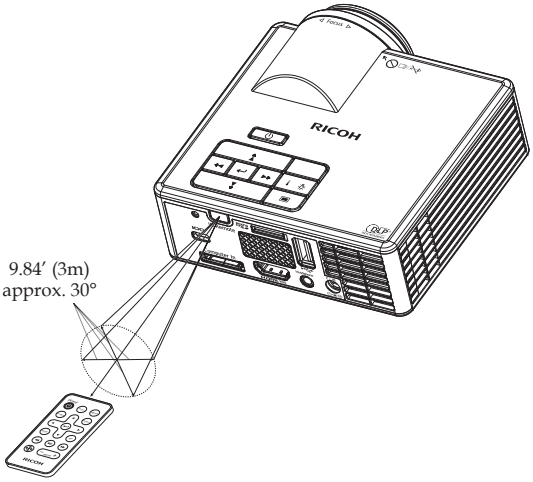
To ensure safe operation, please observe the following precautions :

- Never throw batteries into a fire.
- Do not ingest battery, Chemical Burn Hazard.
- Keep new and used batteries away from children.

For more detailed information, please see page 9.

Remote Control Operating Range

- When pointing the remote control directly toward the projector (Remote control signal receiver), operating range for the remote control is within 3m (9.84 ft). Also, operation range available for four directions (up, down, left, right to the projector) is ± 30° and the operation distance may become short.
- If there are any obstacles between the remote control and the remote control signal receiver, the remote control may not operate correctly.
- When the remote control signal receiver is lit with a fluorescent light or other strong light source, the projector may become inoperative. Set the projector as far from the luminous source as possible.
- You can operate all of the functions of the projector via the remote control. Make sure not to lose the remote control.

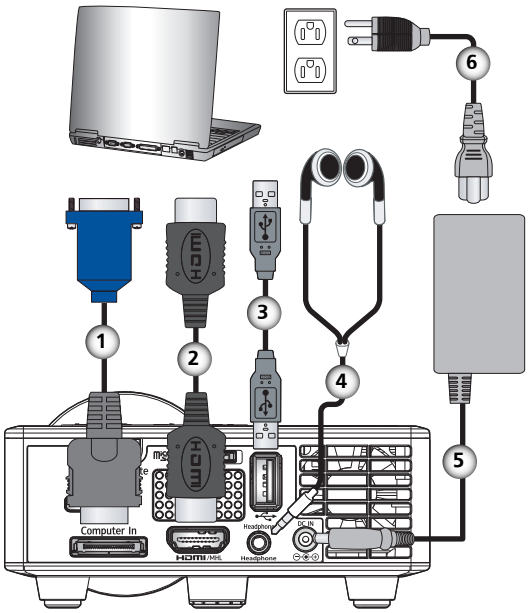


Connecting the Projector

Connect to Computer

Note

- Make sure that the power plug is fully inserted into all the AC adapter AC inlet, the wall outlet, and projector DC jack.
- (*)USB-A to USB-A Cable is used for data trasnferring between PC to the internal memory of the projector.
- (**)The projector supports only audio cable with 3.5mm stereo mini plug (without microhpone function); with some head phones, due to the impedance difference, you might notice a slight difference in the volume levels (lower volume).
- Due to the difference in applications for each country, some regions may have different accessories.



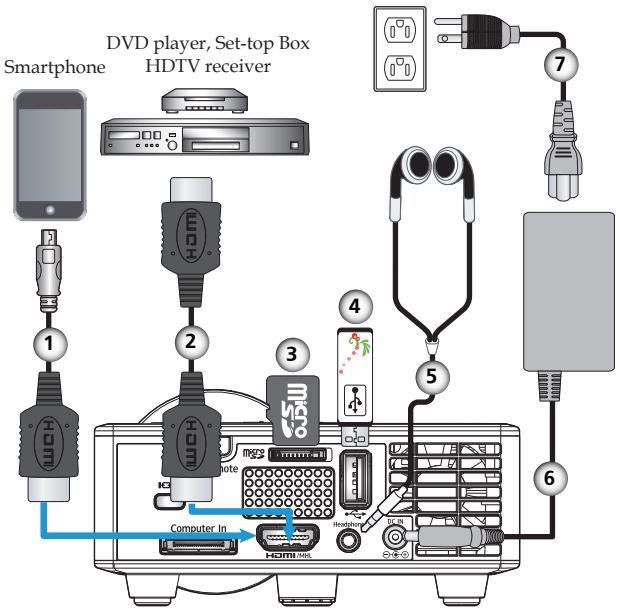
1.	RGB Cable
2.	HDMI Cable(not supplied)
3.	USB-A to USB-A Cable(*)
4.	Head phones(not supplied)(**)
5.	AC Adapter
6.	Power Cord

- To ensure the projector works well with your computer, please make sure the timing of the display mode is compatible with your projector. Please see page 76.
- Use the cables that come with the projector.

Connect to Video

Note

- Make sure that the power plug is fully inserted into all the AC adapter AC inlet, the wall outlet, and projector DC jack.
- (*)Check the MHL support of the smartphone or other devices. If the device is not support MHL, they can not be connected to the projector with MHL cable.
- (**)Supports MicroSD, MicroSD-HC cards
- (***)USB HDD drive is not supported.
- (****)The projector supports only audio cable with 3.5mm stereo mini plug (without microhpone function); with some headsets, due to the impedance difference, you might notice a slight difference in the volume levels (lower volume).
- Due to the difference in applications for each country, some regions may have different accessories.



1.....MHL Cable(not supplied)(*)
2.....HDMI Cable(not supplied)
3.....MicroSD Card(not supplied)(**)
4.....USB Flash Disk(not supplied)(***)
5.....Head phones(not supplied)(****)
6.....AC Adapter
7.....Power Cord

- To ensure the projector works well with your computer, please make sure the timing of the display mode is compatible with your projector. Please see page 76.

Powering On/Off the Projector

Powering On the Projector

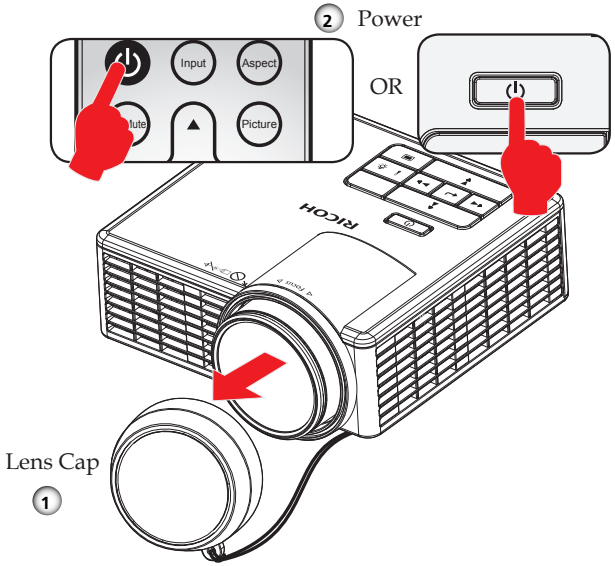
Note

❖If you connect multiple sources at the same time, use the "Input" on the remote control.

❖Turn on the projector first and then the signal sources.

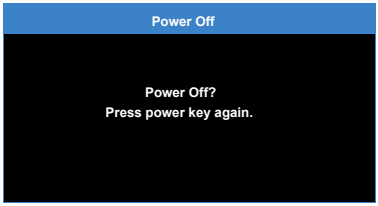
1. Ensure that the power cord, AC adapter, and signal cable are securely connected. The Power indicator will start flashing amber.
2. Remove the lens cap. ❶
3. Turn on the projector by pressing "Power" on the control panel or the remote control. ❷
   The startup screen will display in approximately 3 seconds. After the screen disappears, the Power indicator will turn blue.
   The first time you use the projector after purchase, the language menu is displayed after the startup screen.
4. Turn on your source (computer, video player, etc.) The input source is determined by the last connected input source. (By default, the input source of the projector is set to Multimedia). Change the input source of the projector if necessary.

CAUTION:
- *Do not look into the lens while the projector is on. The strong light from the lamp may cause damage to your eyesight.*
- *Do not block the air intake or exhaust. Doing so could cause a fire due to internal overheating.*
- *Do not place your hands, face, or other objects near the air exhaust or the bottom of the unit. Doing so could result in injury and/or damage the object.*
- *Do not block the light from projection lens by anything when you want to stop projection. Doing so could cause a fire due to heating by strong light. Please use "Mute" function for this purpose.*



Powering Off the Projector

1. Press the “Power” to turn off the projector, you will see a message as below on the on-screen display.

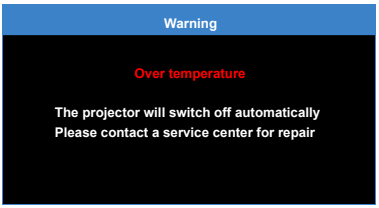


2. Press the “Power” again to confirm.
3. After 3~5 seconds the Power indicator will light amber. When the light starts flashing, the projector has entered standby mode.

   If you wish to turn the projector back on, you must wait until the projector has entered standby mode. Once in standby mode, simply press “Power” to restart the projector.
4. Disconnect the power cord and AC adapter from the electrical outlet and the projector.

Warning Indicator

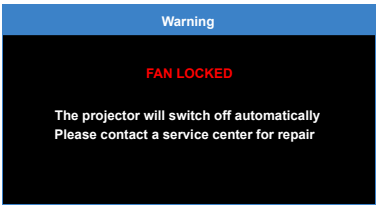
- When the “Temp” indicator flashes amber (3 secs on, 1 sec off,) and the message below displays on-screen, it indicates the air vents might be blocked or ambient temperature may be above 35 ° C overheated. Ensure that the air vents are not blocked and that the ambient temperature is within operating range. If the problem persists, please contact the vendor.



Note

In case of the fan failure, the projector shuts down automatically. Clear the projector mode by pressing and holding the **Power** button for 10 seconds. Please wait for about 5 minutes and try to power up again.

- When the “Temp” indicator flashes red (2 secs on, 0.5 sec off) and the message below displays on-screen, it indicates one of the fans has failed. The projector will automatically shut itself down.



- When the “Error” indicator turns amber, it indicates the LED failure. The LED will shut down.

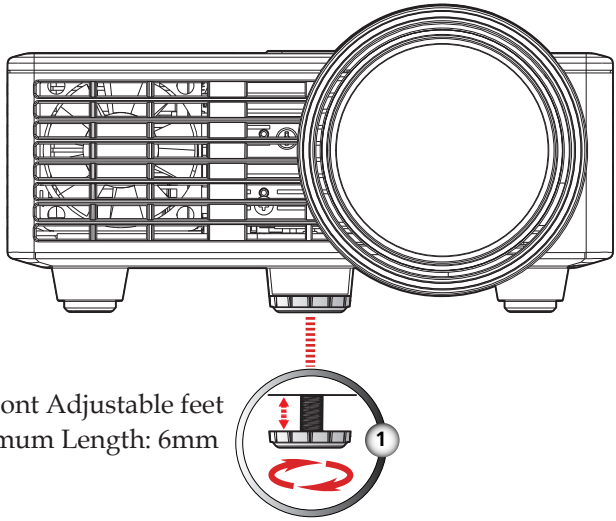
Adjusting the Projected Image

Adjusting the Height of Projector Image

The projector is equipped with adjustable feet to raise and lower the image to fill the screen.

To raise/lower the image:

1. Use ❶ to fine-tune the display angle.



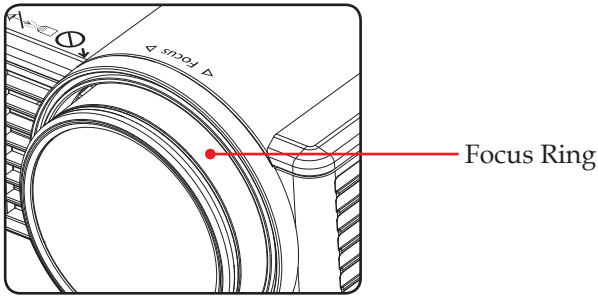
Note

❖You can raise the projector front up to 7 degrees by rotating the adjustable feet.

Adjusting the Projector Focus

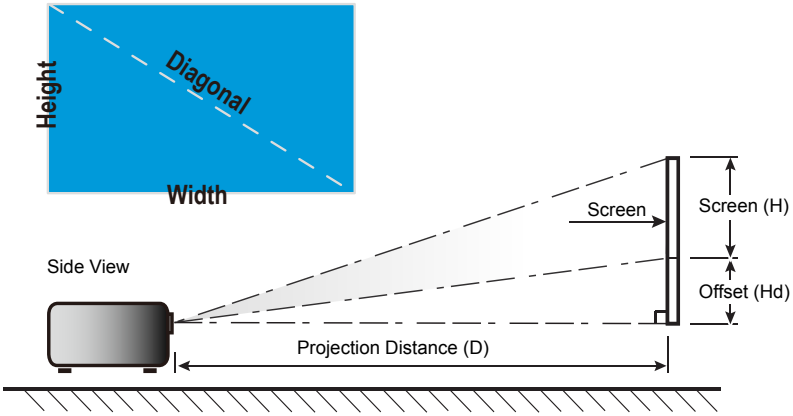
To focus the image, rotate the focus ring until the image is clear.

- The projector will focus at distances from 2.82 to 5.64 feet (0.86 to 1.72 m).



Adjusting Projection Image Size

- Projection Image Size from 50″ to 100″ (127.0 to 254.0 cm).



RICOH PJ WXC1110

Diagonal length (inch) size of 16:10 Screen	Screen Size W x H				Projection Distance (D)		Offset (Hd)
	(m)		(inch)		(m)	(feet)	(cm)
	Width	Height	Width	Height			
50	1.08	0.67	42.52	26.38	0.86	2.83	0
60	1.29	0.81	50.79	31.89	1.03	3.92	0
65	1.40	0.88	55.12	34.65	1.12	3.67	0
70	1.51	0.94	59.45	37.01	1.21	3.96	0
80	1.72	1.08	67.72	42.52	1.38	4.52	0
90	1.94	1.21	76.38	47.64	1.55	5.09	0
100	2.15	1.35	84.65	53.15	1.72	5.65	0

On Screen Display (OSD)

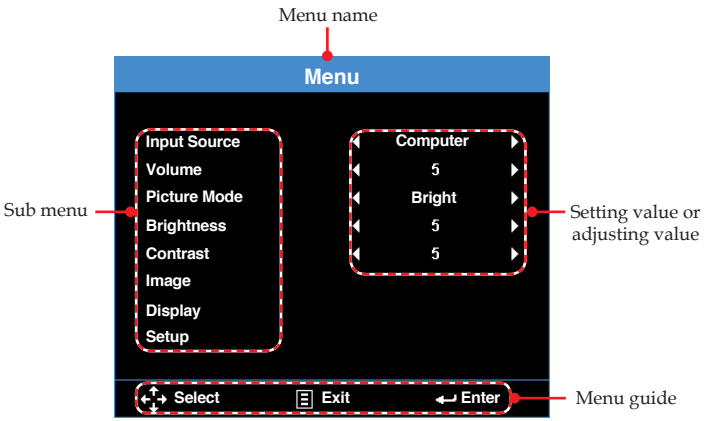
The Projector has a multilingual On Screen Display that allows you to make image adjustments and change a variety of settings. The projector will automatically detect the source.

How to operate

1. To open the OSD, press the ▭ button on the Control Panel or the "Menu" button on the Remote Control.
2. To select an options, press the ▲ or ▼ buttons on the Control Panel or Remote Control.
3. To adjust settings, press the ◀ or ▶ buttons on the Control Panel or Remote Control.
4. To exit the OSD, press the ▭ button on the Control Panel or the "Menu" button on the Remote Control.

Note

❖The projector has a multi-language on-screen display (OSD) menu that can be displayed with or without an input source.

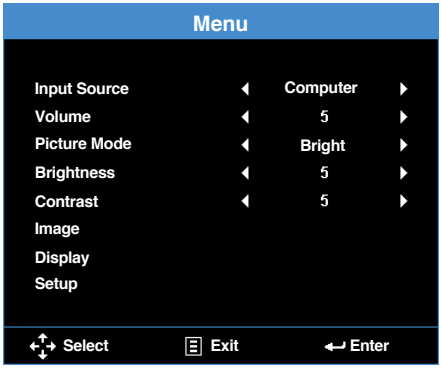


Menu Tree

Main Menu	2nd Level	3rd Level	Range	Default Value
Input Source			Computer	Computer
			HDMI/MHL	
			Media	
Volume			0~10	5
Picture Mode			Bright	PC
			PC	
			sRGB	
			Wide 1	
			Wide 2	
			ECO	
Brightness			0~10	5
Contrast			0~10	5
Image	Saturation		0~20	10
	Hue		-10~+10	0
	Aspect Ratio		Auto	Auto
			4:3	
			16:9	
			16:10	
	Zoom		50%/75%/ 100%/ 125%/150%/175%/200%	100%
	Color Temperature		Warm	Computer => Medium HDMI => Warm
			Medium	
			Cold	
	Color Space		Auto	Auto
			RGB	
			YCbCr	
	Frequency		-5~5	0
	Phase		0~31	0

Main Menu	2nd Level	3rd Level	Range	Default Value
Display	Auto Keystone		On	On
			Off	
	Keystone		-40~+40	0
	Projection		**Auto keystone on:**	
			 No reverse	
			Left/Right reverse	
			Auto keystone off:	
			No reverse	
			 Left/right reverse	
			Up/down reverse	
			 Up/down and Left/Right reverse	

Main Menu	2nd Level	3rd Level	Range	Default Value
Setup	Language		English	English
			Germany	
			French	
			Italian	
			Spanish	
			Portuguese	
			Polish	
			Dutch	
			Russian	
			Swedish	
			Greek	
			中文 (繁)	
			中文 (簡)	
			Janpanese	
			Korean	
			Turkish	
	Boot-up Source		Auto	
			Computer	
			HDMI/MHL	
			Media	
	Direct Power On		On	Off
			Off	
	Sleep Timer		Auto	Auto
			Off	
			0:30 / 1:00 / 3:00 / 8:00 / 12:00	
	Advanced	Mute	Audio & Video	Audio & Video
			Video	
			Audio	
		3D	On	On
			Off	
		3D Sync. Invert	On	Off
			Off	
	Security		Go to Security Menu	
	Reset		Yes	No
			No	
	Software Ver.		(displays Software Version)	

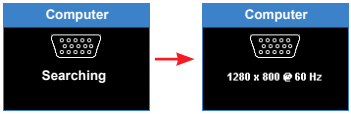


Main Menu

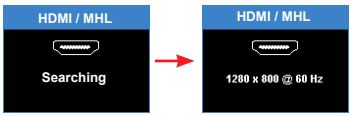
Input Source

Set the input source.

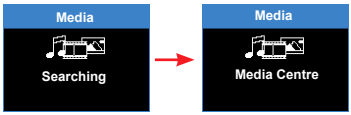
- Computer: Set Computer as input source.



- HDMI / MHL: Set HDMI / MHL as input source.



- Media: Set Media as input source.



Volume

Adjust the volume.

- Press the ▶ to turn up the volume (up to 10)
- Press the ◀ to turn down the volume (minimum value 0).

Picture Mode

There are factory presets optimized for various types of images.

- Bright: For displaying the maximum brightness from computer input.
- PC: For computer.
- sRGB: Based in sRGB.
- Wide1: Close to Adobe RGB.
- Wide2: Widest color gamut.
- Eco: For displaying in Eco mode.

The default value of Brightness, Contrast, Color Temperature, Hue, and Saturation depend on Picture mode.

Default value of each mode as follows.

Picture Mode	Brightness	Contrast	Color Temperture	Satulation	Hue
Bright	5	5	-	10	0
PC	5	5	Medium	10	0
sRGB	5	5	Warm	10	0
Wide1	5	5	Warm	10	0
Wide2	5	5	Warm	10	0
Eco	5	5	-	10	0

Brightness

Adjust the brightness of the image.

- Press the ► to increase the brightness of the screen (up to 20).
- Press the ◄ to reduce the brightness of the screen (minimum value 0).

Contrast

Adjust the contrast.

- Press the ► to increase the contrast of the screen (up to 10).
- Press the ◄ to decrease the contrast of the screen (until -10).

Image

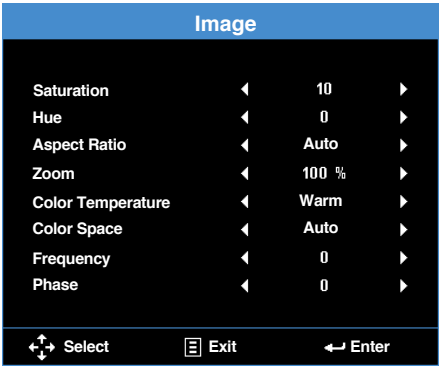
Go to “Image” sub menu.

Display

Go to “Display” sub menu.

Setup

Go to “Setup” sub menu.



Image

Saturation

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

- Press the ► to increase the intensity of the color (up to 20).
- Press the ◄ to decrease the intensity of the color (minimum value 0).

Note

- Saturation can be only adjusted in HDMI mode with supported video timings 1080p/i, 720p, and 480p/i.
- Hue can be only adjusted in HDMI mode with supported video timings 1080p/i, 720p, and 480p/i.

Hue

Adjust the skin tone.

- Press the ► to adjust the color to be greenish (up to 10).
- Press the ◄ to adjust the color to be reddish (minimum value -10).

Aspect Ratio

Use this function to choose your desired aspect ratio.

- Auto: The projector displays the image by automatically switching the screen sizes between 4:3 and 16:9.
- 4:3: Input signal is displayed to full screen. This mode is for 4:3 aspect images.
- 16:9: Input signal is displayed with 16:9 aspect in the center of the screen. This mode is for 16:9 aspect signals.
- 16:10: This format is for 16:10 input sources, like wide screen laptop.

Zoom

Adjust the magnification of the image. Magnification can be set 50%, 75%, 100%, 125%, 150%, 175%, or 200%.

Color Temperature

Select the color temperature.

- Warm: The screen image looks warmer.
- Medium: The medium color temperature.
- Cold: The screen image looks colder.

Color Space

Select an appropriate color matrix type from “Auto”, “RGB”, and “YCbCr”.

Frequency

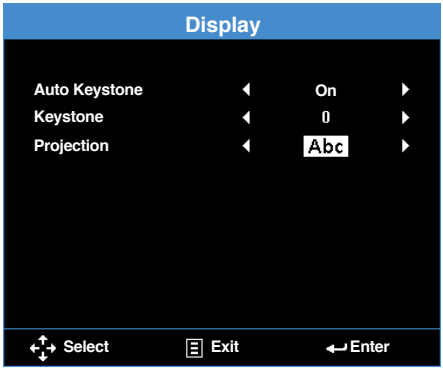
Adjust to achieve an optimal image when there is a vertical flickering in the image.

Phase

Adjust to achieve an optimal image when there is a flickering image.

Note

- The “Color Temperature” function is not supported in “Bright”, “Eco”, and “3D” modes.
- The “Color Space” function is supported only in HDMI mode.
- The “Frequency” can be adjusted only in VGA mode.
- The “Phase” can be adjusted only in VGA mode.



Display

Note

❖The "Auto Keystone" function can be only used to adjust the image distortion vertically.

❖If you adjust the keystone manually then the "Auto Keystone" function will be automatically disabled.

Auto Keystone

Automatically adjust image distortion caused by tilting the projector.

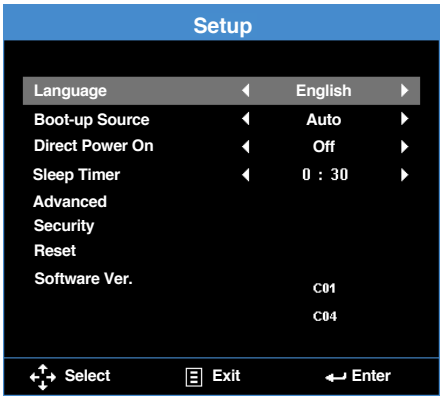
Keystone

Manually adjust image distortion caused by tilting the projector.

Projection

Select the projection mode, depending upon how the projector is mounted.

- Auto Keystone: On
  - Abc No reverse
  - ɔdA Left/Right reverse
- Auto Keystone: Off
  - Abc No reverse
  - ɔdA Left/Right reverse
  - ɔqA Up/Down reverse
  - Apc Left/Right and Up/Down reverse



Setup

Language

The language used in the On-Screen Menu is available in English, Germany, French, Italian, Spanish, Portuguese, Polish, Dutch, Russian, Swedish, Greek, Traditional Chinese, Simplified Chinese, Japanese, Korean, and Turkish.

Boot-up Source

Set the projector's boot-up source between "Auto", "Computer", "HDMI/MHL", and "Media".

Note

❖If the "Boot-Up Source" is set to"Auto" then at each boot-up of the projector, the input source (COMPUTER, HDMI, or Media) is always chosen the same as in previous session.

Direct Power On

When enabled, the projector will automatically power on when AC power is supplied, without pressing the "Power" button on the projector control panel or on the remote control.

Note

❖If the "Sleep Timer" is set to"Auto" then the project will automatically power off after 15 minutes if the projector has not detected any signal from COMPUTER or HDMI source.

Sleep Timer

Set the countdown timer interval between "0:30", "1:00", "3:00", "8:00", "12:00", "Auto", or "Off". The countdown timer will start, with or without a signal being sent to the projector. The projector will automatically power off when the countdown has finished.

Advanced

Go to "Advanced" sub menu.

Security

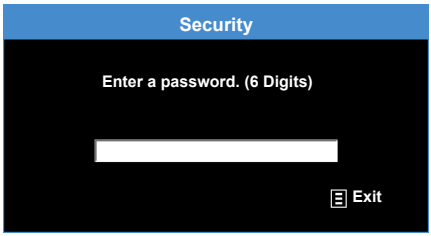
Go to “Security” sub menu. To change the security setting, enter the security code in 6 digits.

The default password is ▲▼◄►▲▼.(Enters with 4 directional key)

Note

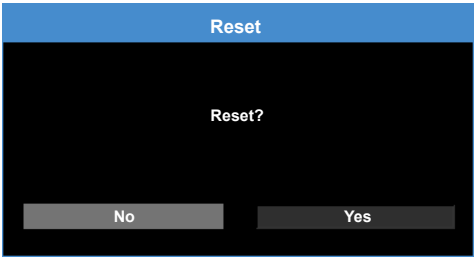
❖Password is not reset by “Reset” comand.

❖If you fotgot the Password, please contact your dealer or service representative..



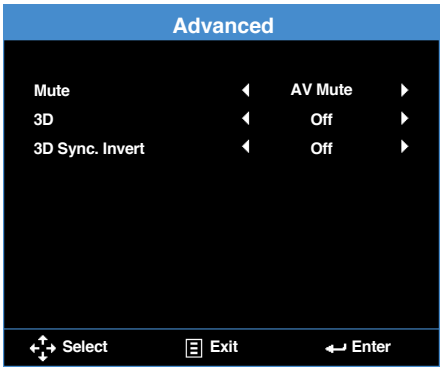
Reset

Return all data to the factory defaults. After choosing this option, a confirmation message appears on the screen. Select “Yes” to confirm or “No” to cancel reset.



Software Ver.

View the current projector’s firmware version.



Advanced

Note

- The function of the "Mute" button on the remote control depends on the selected "Mute" option in the OSD menu.
- "3D" and "3D Sync. Invert" cannot be changed when you select image settings.
- In 3D mode, the maximum supported input timing is 1024 x 768 @ 120Hz.

Mute

Select the "Mute" mode between "AV Mute" (mute both audio and video), "Audio" (mute audio only), and "Video" (mute video only).

3D

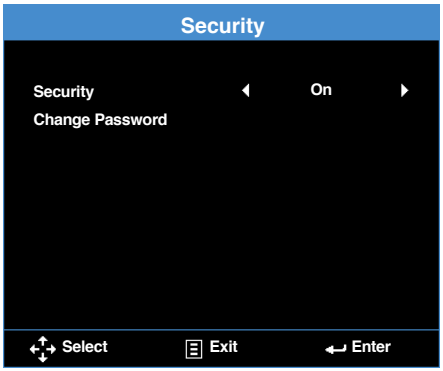
Use this funciton to set the display mode of the 3D image. Please note that this projector supports only DLP Link 3D signal. Blu-ray 3D is not supported.

- On: Turn on "3D" image display.
- Off: Turn off "3D" image display.

3D Sync. Invert

Flips the timing of the switch between the left and right of an image to display. Change the setting if the 3D images you see appear not as expected.

- On: Select when left and right 3D images are swapped to be displayed.
- Off: If the 3D images are displayed correctly, do not change the "Off" settings.



Security

Note

- Do not foget the password.
- Password is not reset by “Reset” comand.
- If you fotgot the Password, please contact your dealer or service representative..

Security

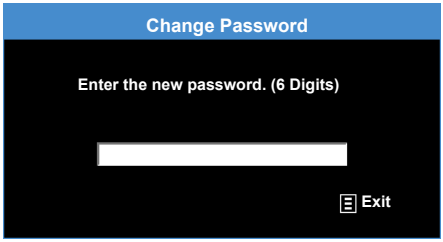
Select the “Security” mode.

- On: Use the security verification when turning on the Protector.
- Off: Disable to use security verification.

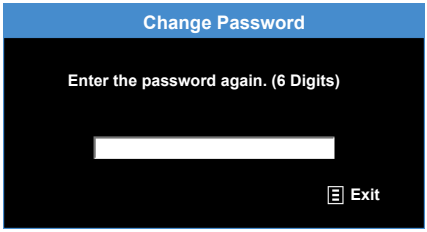
Change Password

Change the password. Press "Enter".

- Enter New Password (6 digits):
  Use 4 directional keys to enter new password.



- Confirm New Password (6 digits):
  Enter the same password that you entered.



If the confirmed Password doesn not match with the entered Password, Input the new Password again.
By entering “Menu” key, you can cancel the “Change Password”menu.

Multi-Media Introduction

The supported multi-media format is as follows:

Photo Format

File Format (Ext Name)	Sub Type	Encode Type	Max Size
Jpeg / Jpg	Baseline	YUV420	6000x4000=24,000,000 pixel
		YUV422	
		YUV440	
		YUV444	
	Progressive	YUV420	6000x4000=24,000,000 pixel
		YUV422	
		YUV440	
		YUV444	
BMP			6000x4000=24,000,000 pixel

Video Format

File Format	Video Codec	Decode Max. Resolution	Max Bit Rate (bps)	Audio Codec	Profile
MPG, MPEG	MPEG1/2	1920 x 1080 30fps	30M bps	MPEG1 L1-3, LPCM	
AVI, MOV, MP4, MKV	H.264	1920 x 1080 30fps	30M bps	MPEG1 L1-3, AAC, LPCM	BP(Baseline Profile)/ MP(Main Profile)/ HP(High Profile)
AVI, MOV, MP4	MPEG4	1920 x 1080 30fps	30M bps		SP(Simple Profile)/ ASP(Advanced Simple Profile)
AVI, MOV, MP4	Xvid	1920 x 1080 30fps	30M bps		SP(Simple Profile)/ ASP(Advanced Simple Profile)
AVI	MJPEG	1920x1080 30fps	30Mbps		BP(Baseline Profile)
WMV	VC-1	1920 x 1080 30fps	30M bps	WMA8/9	SP(Simple Profile)/ MP(Main Profile)

Audio Format

File Format (Ext Name)	Sample Rate (KHz)	Bit Rate (Kbps)
MP3	8-48	8-320
WMA	8-48	5-320
WAV(ADPCM-WAV)	8-48	32-384
WAV(PCM-WAV)	8-48	128-1536
AAC	8-48	8-320
M4A	8-48	8-320

Office Viewer Format

File Format	Supported Version	Page/Lines Limitation	Size Limitation
Adobe PDF	PDF 1.0, 1.1, 1.2, 1.3, 1.4	Up to 360 pages (One File)	Up to 32MB
Microsoft Word	British Word 95	Because office viewer does not load all pages of MS/ Word file at the same time, there are not abvious limitations of page and line.	Up to 20MB
	Word 97, 2000, 2002, 2003		
	Word 2007(.docx)		Up to 30MB
	Word2010(.docx)		
Microsoft Excel	Excel 5,95	Row Limit: up to 300(*) Column Limit: up to 100(*) Sheet: up to 50(*)	Up to 14MB
	Excel 97, 2000, 2002, 2003		
	Excel 2007(.xlsx)		
	Excel 2010(.xlsx)		
	Office XP Excel		
Microsoft PowerPoint	PowerPoint 97	Up to 100 pages (One File)	Up to 19MB
	PowerPoint 2000, 2002, 2003		
	PowerPoint 2007(.pptx)		
	PowerPoint 2010(.pptx)		
	Office XP PowerPoint		
	PowerPoint presentation 2003 and earlier (.ppx)		
	PowerPoint presentation 2007 and 2010 (.ppsx)		

Note

- (*) Row limit, column limit, and sheet limit can not appear in one excel file simultaneously.
- Animations are not supported when viewing MS PowerPoint files.
- When projecting files, some documents may not be displayed the same as shown on the screen of a PC.

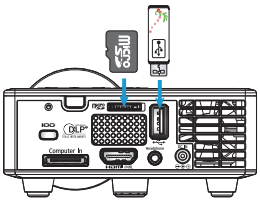
How to use Multi-Media projection with USB, SD-Card, Internal Memory

Note

- A USB flash disk must be plugged into the projector if you want to use the multi-media USB function.
- Due to the compatibility concern, please do not connect a camera to the USB port on the projector.

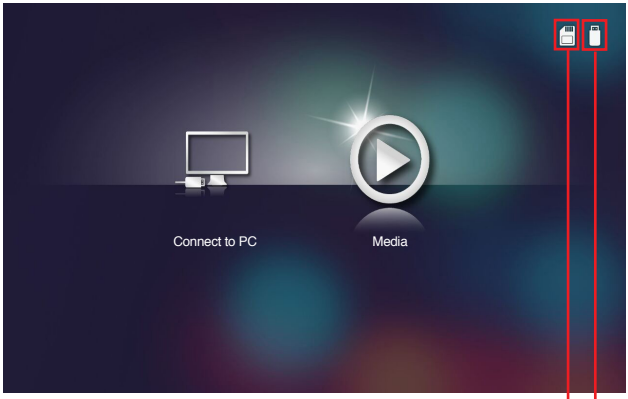
Follow these steps to playback the Photo, Video, or Music files from the USB flash disk, Micro SD-Card, and Internal Memory.

1. **Power on**
   Turn the projector on. Please see page 28.
2. **Set Media**
   <For USB flash disk>Plug in a USB flash disk to your projector.
   <For Micro SD-Card> Plug in a Micro SD-Card to your projector.



The Multi-Media menu opens.
If Multi Media menu does not open, set the input source to Media. Please see page 38.

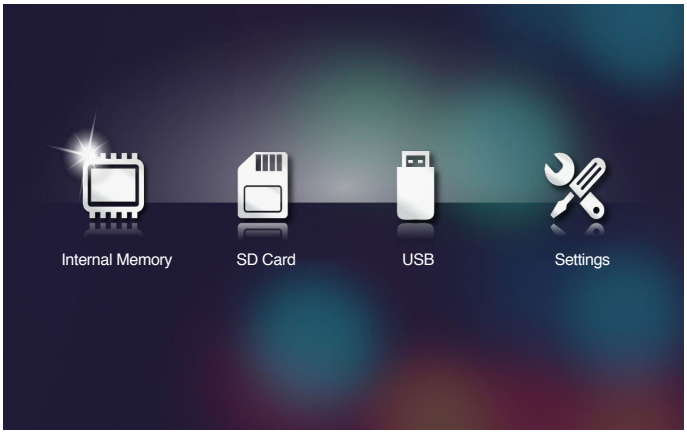
3. **Media Menu**
   Select the "Media" menu.



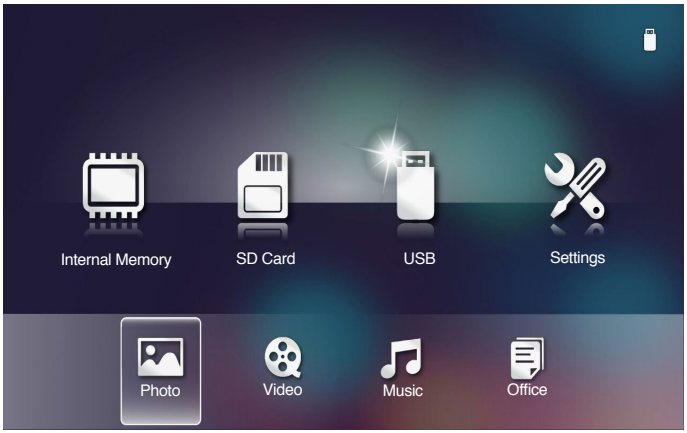
After plugging in the Micro SD-Card to the projector, the icon of the Micro SD-Card will be displayed on the screen.

After plugging in the USB flash disk to the projector, the icon of the USB flash disk will be displayed on the screen.

The “Media” menu opens.



4. **Select the file type**
   Access the “Internal Memory”, “SD Card”, or “USB”menu. Select the multimedia file(s) in one of the following folders: “Photo”, “Video”, “Music”, or “Office”.



Note

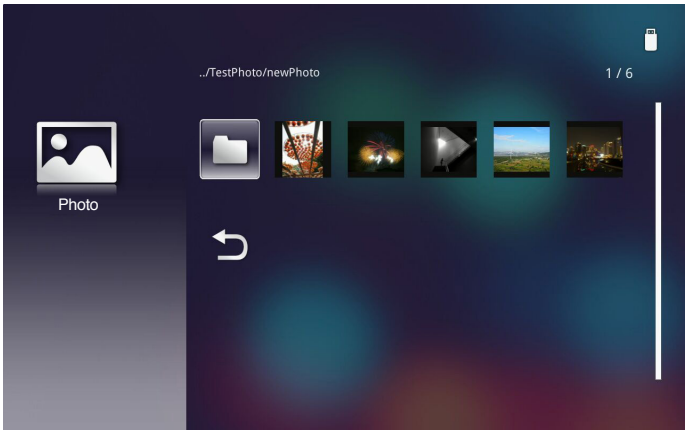
❖The maximum allowed file name length is 28 characters.

5. Select the file

5.1 Photo

When “Photo” is selected, the image data and folder with image format data will be displayed. The folder without image data will not be displayed.
Select the folder you want to display by using the four directional keys and then press “Enter”.

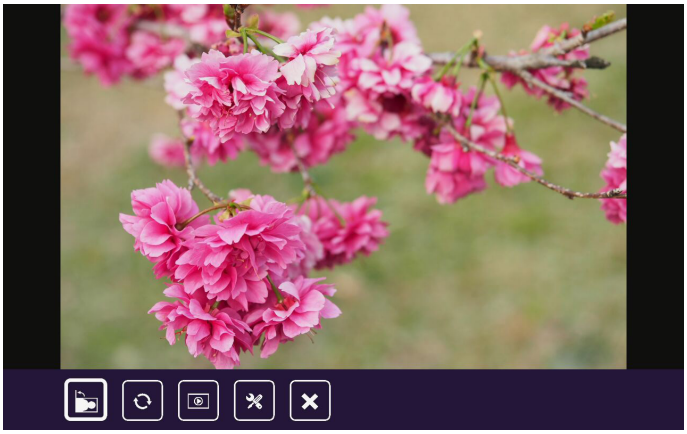
If you press , it returns to the upper folder or exits the folder.



Choose the Thumbnail of the file and press “Enter”.



The image is displayed full screen.



Control Command bar icons are displayed at the bottom of the screen. If the Control Panel or Remote Control has not been in use, the Control Command bar will disappear within 3-5 seconds. The Control Command bar will also disappear if you press “Exit” key on the Remote Control.
If you want to display the Control Command bar, press “Enter” key.

Note

❖The maximum allowed file name length is 28 characters.

❖Slideshow displays photos in the folder automatically.

*Control the Slideshow by using the Control Command bar icons
You can choose the icon by using ◀ ▶ keys on the Control Panel or Remote Control, and then press “Enter”.

: Rotates the image.

: Repeats the Slideshow

: Starts Slideshow in the folder

: Opens the Setting menu

: Closes the displayed image

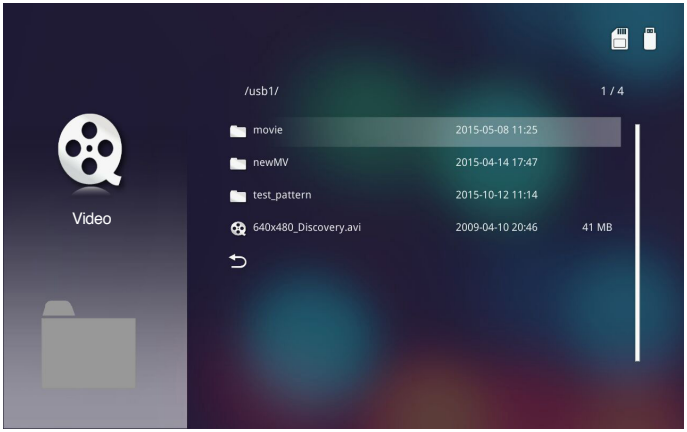
You can modify the “Effect” and “Display Interval” settings in the Setting menu.

PHOTO		
Effect	◀	Off ▶
Display Interval	◀	10 sec ▶

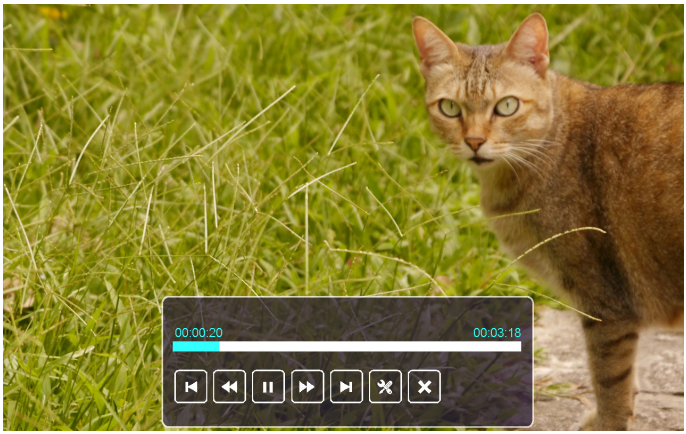
*Control Slideshow without using the Control Command bar icons
If the Control Command icons are not displayed, you can move to the next or previous image by using ◄► keys.
You can exit Slideshow by pressing (Exit) key on the Remote Control.

5.2 Video

After "Video" tab is selected, the video filename and folder with video data will be displayed. The folder without video data will not be displayed.
Select the Video data or folder that you want to play by using ▲▼ keys and then press "Enter".
If you choose , it returns to the upper folder or exits the folder.



Choose the Filename and press “Enter”. The video playback begins.



Note

❖The maximum allowed file name length is 28 characters.

Control Command bar icons are displayed at bottom of the screen. If the the Control Panel or Remote Control has not been in use, the Control Command bar will disappear within 3-5 seconds. The Control Command bar will also disappear if you press “Exit” key on the Remote Control.
If you want to display the Control Command bar, press “Enter” key.

*Control the video playback by using the Control Command bar icons. You can choose the icon by using ◀ ▶ keys on the Control Panel or Remote Control, and then press “Enter”.

: Goes to the previous video

: Rewinds the playback (rewind speed changes in 3 steps)

: Pauses & : Plays the playback

: Forwards the playback (forward speed changes in 3 step)

: Goes to the next video

: Goes to Setting menu

: Stops the playback and returns to the file list

You can modify the “Display Ratio” and “Repeat Mode” settings in the Setting menu.

Video		
Display Ratio	◀	Auto ▶
Repeat Mode	◀	Off ▶

*Volume control
When video is played, volume can be changed by using ▲▼ keys.

*Control playback without using the Control Command bar icons
Video playback can be controlled by using the following buttons on the Remote Control.

: Pauses & Plays the video

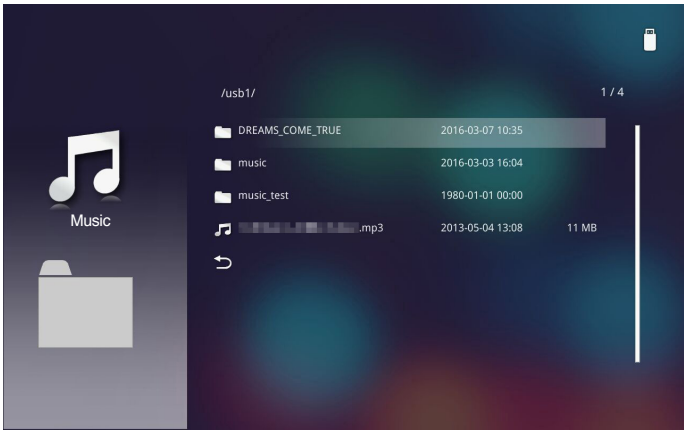
: Rewinds the playback (rewind speed changes in 3 steps)

: Forwards the playback (forward speed changes in 3 steps)

: Stops the playback and goes to the file list

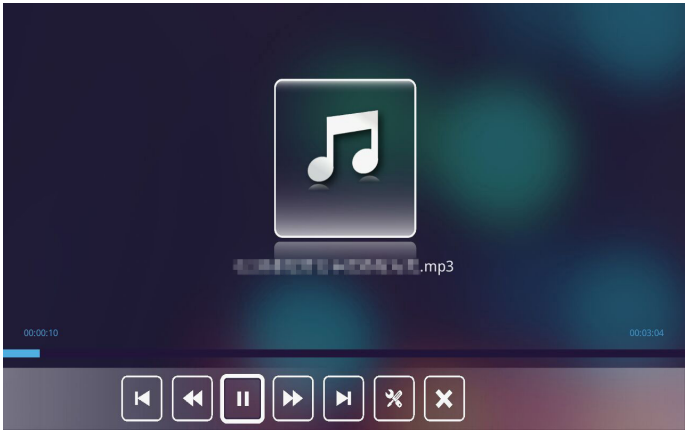
5.3 Music

After "Music" tab is selected, the music filename and folder with music data will be displayed. The folder without music data will not be displayed.
Select the Music data or folder you want to play by using ▲▼ keys and then press "Enter".
If you press , it returns to the upper folder or exits the folder.



Choose the Filename and press “Enter”. Then music playback begins.





Control Command bar icons are displayed at bottom of the screen. Icon are permanently visible as long as the music playback window is opened.

*Control the music playback by using the Control Command bar icons. You can choose the icon by using ◄► keys on the Control Panel or Remote Control, and press “Enter”.

: Goes to the previous music file

: Rewinds the playback

: Pauses the playback : Restarts the playback

: Forwards the playback

: Goes to the next music file

: Goes to Setting menu

: Stops playing the music file and goes to file list

You can modify the "Repeat Mode" setting in Setting menu.



*Volume control
When video is played, volume can be changed by using ▲▼ keys.

*Control playback without using the Control Command bar icons
Music playback can be controlled by using the following buttons on the Remote Control.

: Pauses & Plays the music file

: Rewinds the playback

: Forwards the playback

: Stops the playback and goes to file list

Note

❖Office data must be in the following formats:

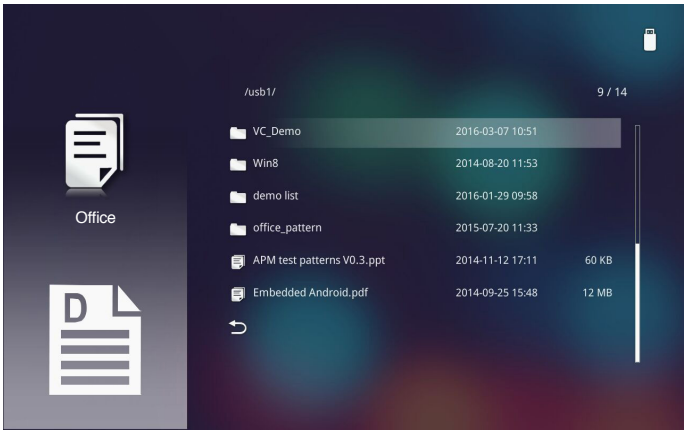
PDF, MS PowerPoint, MS Word, or MS Excel.

5.4 Office Viewer

*As the projector is using the simplified "Office Viewer", some files that appear in the list of Office Viewer Format (on pages 49~50), may still not be displayed.

After "Office" tab is selected, the office formatted filename and folder with office data will be displayed. The folder without office data will not be displayed.
Select the Office data or folder you want to play by using ▲▼ keys and then press "Enter".
If you press , it returns to the upper folder or exits the folder.

The list of Office files will be displayed on the screen.

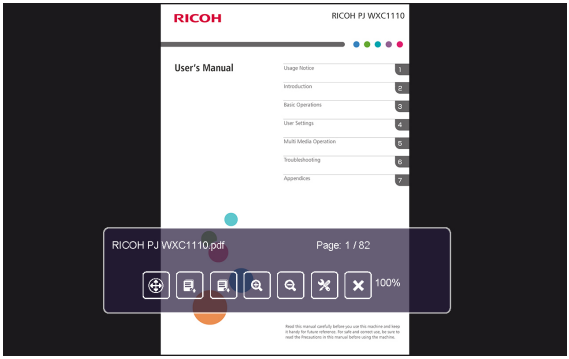


Choose one of the folders and press “Enter”. You will see the contents of the selected folder on the screen.



Select the Office data or folder you want to open by using ▲▼ keys and then press “Enter”.

Office contents will be displayed on the screen.



Control Command bar icons are displayed at bottom of the screen. If the Control Panel or Remote Control has not been in use, the Control Command bar will disappear within 3-5 seconds. The Control Command bar will also disappear if you press “Exit” key on the Remote Control.
If you want to display the Control Command bar, press “Enter” key.

*Control dislaying the Office file by using the Control Command bar icons.
You can choose the icon by using ◄► keys on the Control Panel or Remote Control, and press “Enter”.

: Enters the Move mode (displayed icons will be changed).

: Goes to previous page

: Goes to next page

: Enlarges the document view

: Reduces the document view

: Goes to Setting menu

: Closes the content and returns to the file list

The following is an overview of Move mode icons.

: Returns to the Normal mode (displayed icons will be changed)

: Moves the displayed area up

: Moves the displayed area down

: Moves the displayed area to the left

: Moves the displayed area to the right

: Enlarges the displayed area

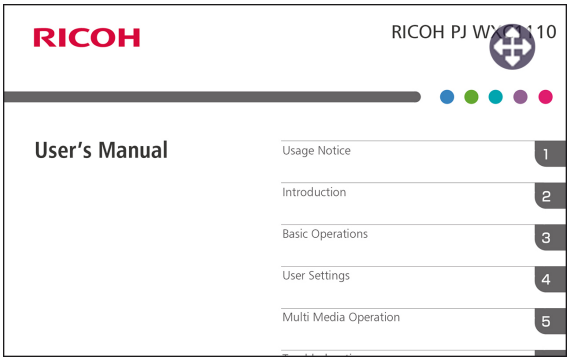
: Reduces the displayed area

: Goes to Setting menu

: Closes the content and goes to the file list

In Move mode, the display area can only be moved within the same page. If you want to change the page, switch back to the Normal mode and use the previous/forward page control icons.

In Move mode, the Control Command bar icons will disappear within 3-5 seconds if the Control Panel or Remote Control has not been in use.
During the Move mode, you can see a navigation icon at the top right corner of the screen as shown in the following image.



Displaying Office files can be controlled by using the following buttons on the Control Panel or Remote Control.

In Normal mode:

◀: Goes to the previous page

▶: Goes to the next page

"Enter": Displays Control Panel

Magnify: Magnifies (Enlarges/Reduces) the image

: Switches to the Move mode

In Move mode:

◀▶▲▼: Moves the displayed area to 4 directions

"Enter": Displays Control Panel

Magnify: Magnifies (Enlarges/Reduces) the image

: Switches to Normal mode

You can modify the "Display Mode" setting in the Setting menu.



*Control dislaying the Office files by using the Control Command bar icons.

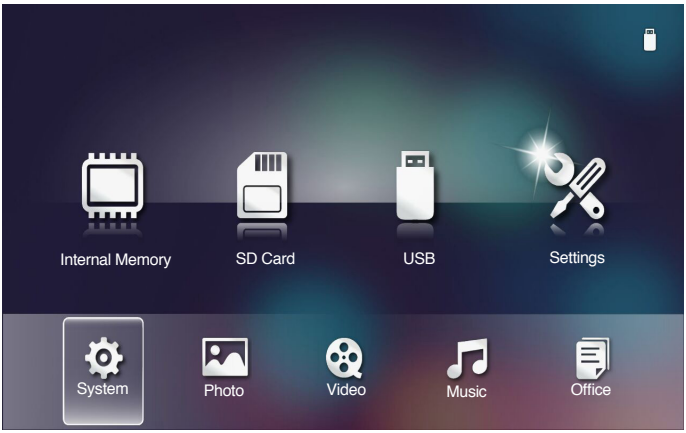
5.5 About the displayed font

This simplified Office Viewer can display files only in Unicode format and all non-Unicode files are converted to Unicode. Therefore, the letter shape, size, and CR position of the displayed content may differ from the original content. We strongly recommend you to preview the displayed file(s) before performing the presentation.

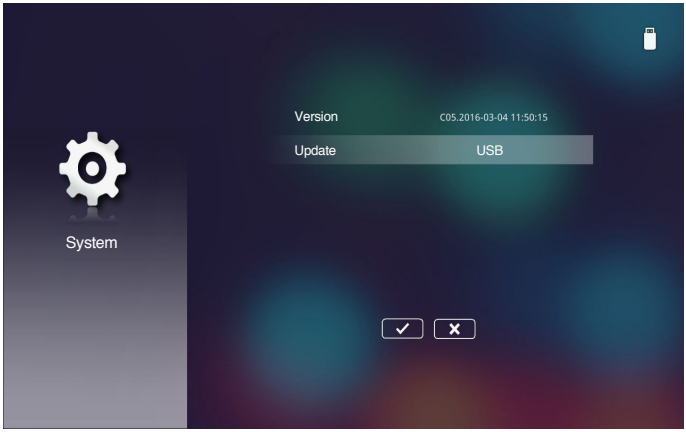
To ensure the correct displaying of the PDF file, you need to use the embedded fonts when creating the PDF file.To find out more information on creating PDF files with embedded fonts, please visit the Adobe's WEB site.

6. Setting menu

In "Media" > "Setting" menu, you can adjust the parameters on how multimedia files are displayed.



6.1 System



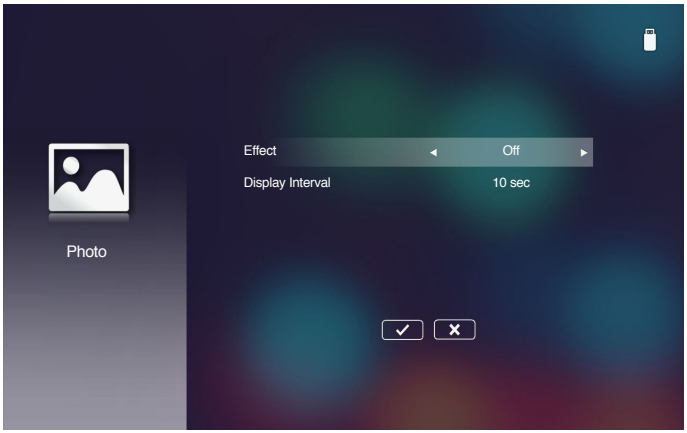
Use this menu to update the system.

Version
View the current Media firmware.

Update
Update the Media firmware only from the USB flash stick.

* For more information, check the update procedure provided with new firmware.

6.2 Photo



Effect

Select the slide transition effect for the slideshow between “Off”, “Mode A”, “Mode B”, or “Mode C”,”.

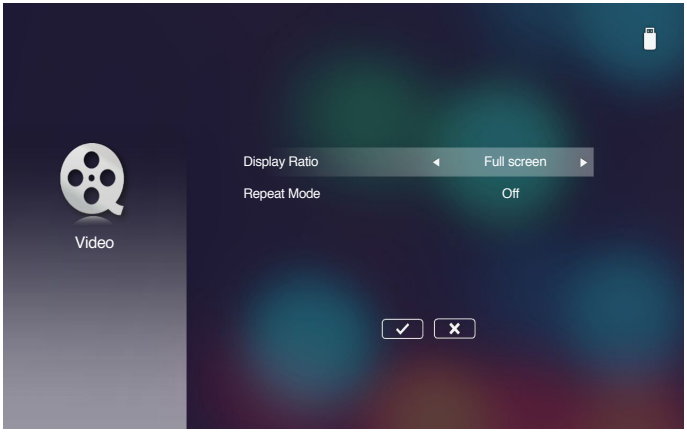
Display Interval

Select the slideshow duration between “10 sec”, “30 sec”, or “1 min”. The image will automatically switch to the next photo after the preset time.

Select ✓ and press “Enter” to save the settings and exit the menu.

Select ✗ and press “Enter”to exit the menu without saving the settings.

6.3 Video

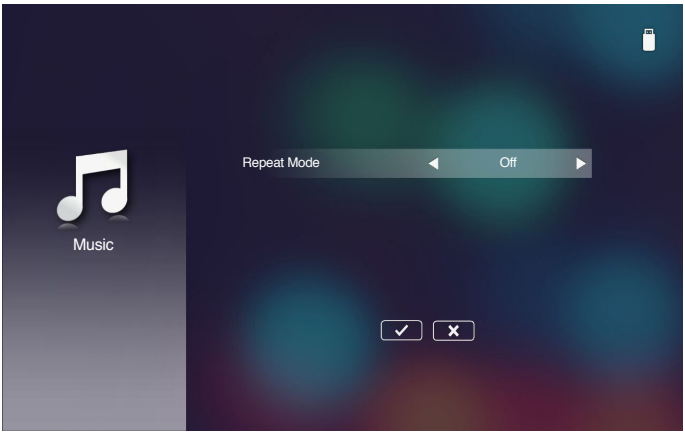


Display Ratio
Select the display ratio of the Video between "Auto", or "Full screen".
Repeat Mode
Select the video repeat mode between "Sequence", "Single", "Random", or "Off".

Select ✓ and press "Enter" to save the settings and exit the menu.

Select ✗ and press "Enter"to exit the menu without saving the settings.

6.4 Music



Repeat Mode
Select the music play mode between “Sequence”, “Single”, or “Random”.

Select ✓ and press “Enter” to save the settings and exit the menu.

Select ✗ and press “Enter”to exit the menu without saving the settings.

6.5 Office Viewer



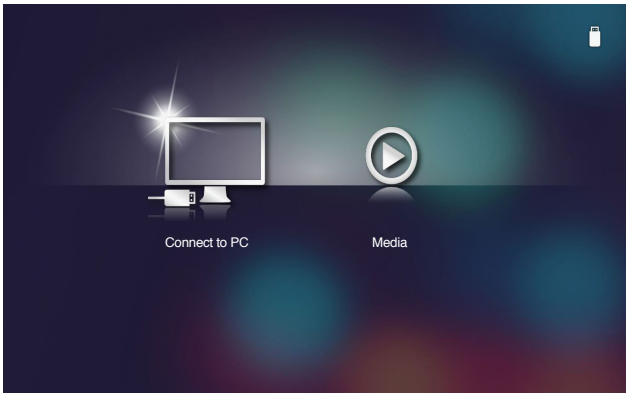
Display Mode
Select the display mode between “Fit to width”, “Fit to Height”, or “Fit to screen”.

Select ✓ and press “Enter” to save the settings and exit the menu.

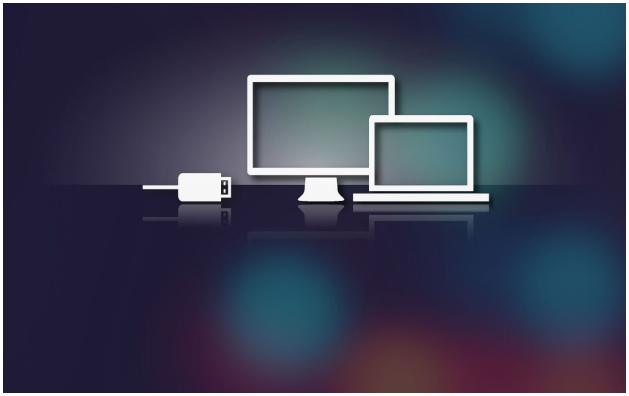
Select ✗ and press “Enter”to exit the menu without saving the settings.

7. **How to access the Internal memory**.

Follow these steps to transfer the files from the computer to the internal memory.
7.1 Turn the projector on. Please see page 28.
7.2 Set the input source to “Media”, and select “Connect to PC”. Press “Enter”.



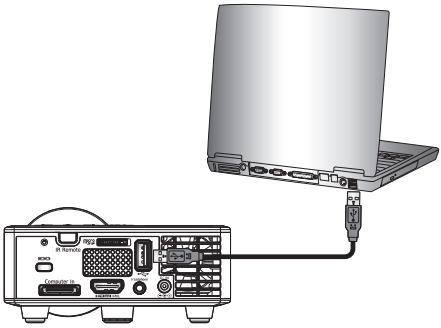
Displays PC connection.



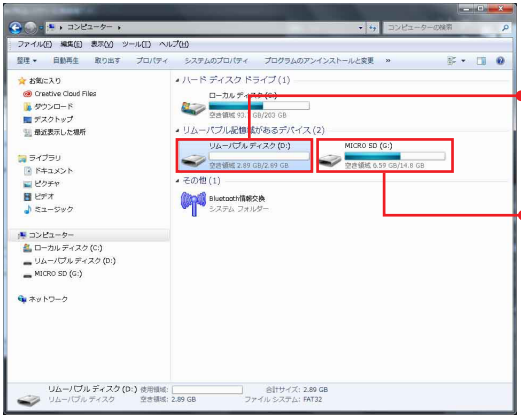
Note

It is important not to connect the projector and computer using USB A-A cable before the projector enters the PC connect mode. Both USB bus power cause damage to the computer or projector.

7.3 Plug in one end of a USB-A cable to your computer and the other end of the USB cable to the projector.



Using the File management software like “Explorer”, you can see the internal memory. If micro SD card is installed, you can also see the contents of micro SD card.



7.4 Drag and drop the file to the Internal memory.
You can only view the content of the micro SD card.

7.5 Unplug the USB A-A cable from the projector, then projector will exit from “PC Connect” mode.

Troubleshooting

If you experience trouble with the projector, refer to the following information. If the problem persists, please contact your local dealer or service center.

Problem: No image appears on screen

- Ensure all the cables and power connections are correctly and securely connected as described in the "Connecting the Projector" section.
- Ensure the pins of terminals are not crooked or broken.
- Make sure you have removed the lens cap and the projector is switched on.
- Ensure that the "Mute" feature is not turned on.

Problem: Partial, scrolling or incorrectly displayed image

- If you are using a Notebook:

  1. First, follow the steps above to adjust resolution of the computer.
  2. Press the toggle output settings. Example: [Fn]+[F3]

PANASONIC, NEC => Fn+F3
HP, SHARP, TOSHIBA => Fn+F5
IBM, SONY => Fn+F7
DELL, EPSON => Fn+F8
FUJITSU => Fn+F10
APPLE =>F7

- If you experience difficulty changing resolutions or your monitor freezes, restart all equipment including the projector.

Problem: The screen of the Notebook or PowerBook computer is not displaying a presentation

- If you are using a Notebook PC:

  Some Notebook PCs may deactivate their own screens when a second display device is in use. Each has a different way to be reactivated. Refer to your computer's documentation for detailed information.

Problem: Image is unstable or flickering

- Adjust the "Phase" or "Frequency" to correct it. Refer to "Menu" > "Image" > "Phase" or "Frequency" (in Computer source only) menu for more information.
- Change the monitor setting from your computer.
- Check and reconfigure the display mode of your graphic card to make it compatible with the product.

Problem: Image is out of focus

- Adjust the Focus Ring on the projector lens.
- Make sure the projection screen is between the required distance. Please see page 33.

Problem: The image is stretched when displaying 16:9 DVD

Change "Aspect" by pressing the "Aspect" button on the remote control or "Menu" (▣) button on the control panel and change the image aspect in "Menu" > "Image" > "Aspect Ratio".

Problem: Image is too small or too large

- Move the projector closer to or further from the screen.
- Press "Aspect" button on the remote control or press "Menu" (▣) button on the control panel and then go to "Menu" > "Image" > "Aspect Ratio" and try the different settings.
- Press "Magnify" button on the remote control or "Menu" (▣) button on the control panel and go to "Menu" > "Image" > "Zoom" and adjust the zoom.

Problem: Image is reversed

- Select "Menu" > "Display" > "Projection" from the OSD and adjust the projection direction.

Note

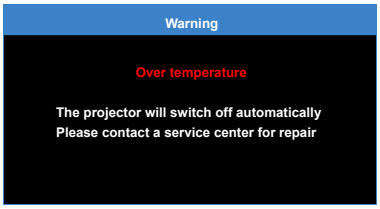
Steady light => ☼
No light => ⊗

Problem: Indicator lighting message

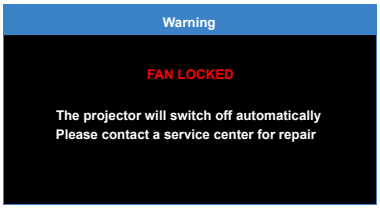
Message	POWER indicator (Blue/Amber)	TEMP indicator (Amber)	ERROR indicator (Amber)
Standby (Input power cord)	Flashing (Amber)	⊗	⊗
Normal (Power on)	☼ (Blue)	⊗	⊗
Error (Over temp)	⊗	Flashing (Amber; On: 3 sec, Off: 1 sec)	⊗
Error (Fan failed)	⊗	Flashing (Amber; On: 2 sec, Off: 0.5 sec)	⊗
Error (LED failed)	⊗	⊗	☼ (Amber)

Problem: Message Reminders

- Over temperature - Air vents might be blocked or ambient temperature may be above 40 °C. Ensure that the air vents are not blocked and that the ambient temperature is within operational range.



- Fan failed - one of the system fans is not working.



- LED failed - the LED shuts down. Please take the projector to the service.

List of Compatible Signals

Computer Compatibility			
PCI (HDMI and VGA) and Macintosh compatible			
Modes	Resolution	Refresh Rate (Hz)	Notes for Mac
VGA	640 x 480	60/75	60/75
SVGA	800 x 600	60/75/120(*1)	60/75
XGA	1024 x 768	60/75/120(*1,*2)	60/75
SXGA	1280 x 1024	60/75	60
WXGA	1280 x 768	60/75	-
WXGA	1280 x 800	60	60
WXGA	1366 x 768	60	60
WXGA+	1440 x 900	60/75	-
SXGA+	1400 X1050	60	60
WSXGA+	1680 x 1050	60	60
HDMI, YPbPr(via VGA port)	480i/480p	60	-
	576i/576p	50	-
	720p	50/60	60
	1080i	50/60	-
	1080p	24/50/60	60

Note

- (*1): 2D or 3D timing for TI DLP 3D
- (*2): Down-scaling from 1024 x 768 to 800 x 600 to fit the front-end output specification, and then up-scaling into DPP6401.

Specifications

■ List of general specifications

Item		Specification
Consumption Power		Less than 0.5W (Standby mode) / 65W (Full mode)
Weight		1.0 lbs (0.45 kg)
Dimensions (WxHxD)		112.5x40.5x105 mm (excluded protruding parts)
Environmental Consider-ations		Operational Temperatures : 41° to 104°F (5° to 40°C), 20% to 80% humidity (non-condensing) Storage Temperatures : -4° to 140°F (-20° to 60°C), 20% to 80% humidity (non-condensing)
Projection System		DLP® 0.45 WXGA chip
Resolution		WXGA (1280 × 800)
Lens		F#1.9, F=8.02 mm (at 60″ screen)
LED		RGB LED
LED Life		20,000 Hours Bright Mode @ 40W +/-10 %
Projection screen size		50 ~ 100 inch
Projection distance		0.86 ~ 1.72m
Speaker		1.5W (Mono)
Connection terminal	Computer In terminal	24-pin Universal female connector (analog RGB)
	HDMI/MHL- video in connector	HDMI /MHL 2.0 connector - DVI-Digital Signal (supports up to 1920x1080@60Hz) - HDMI-Video/audio - MHL Digital Signal (max. 1080P 30Hz) - MHL Output 5V voltage (max. 900mA)
	Headphone out connector	3.5mm phone jack Earphone-out for HDMI or Multimedia signal. (*)
	USB-A connector	Type A female connector - For firmware upgrade. (USB 1.1 supports Slave mode for internal memory) (DPP6401) - Supports Host mode for USB stick USB 2.0 supported, up to 64GB FAT16, FAT32, NTFS, ExFAT - Supports USB 2.0, 5V/0.5A power for 3C device
	Micro SD card slot	Media platform : - Supports Micro SD & SDHC card, up to 32GB - SDXC and UHS-I are not supported

Note

- (*)After connecting headphones, the internal speaker will be disabled automatically.
- Designs and specifications are subject to change without notice.
- This model may not be compatible with features and/or specifications that may be added in the future.
- USB stick and Micro SD do not support multi-partitioning, allow maximum of 3000 files, and directory depth less than 5 levels.

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