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ProjectoWrite DX25N-U

Table of contents

Important safety instructions

Safety Instructions

1. Read these instructions.

2. Keep these instructions.

3. Heed all warnings.

4. Follow all instructions.

5. Do not use this unit near water.

6. Clean with a soft, dry cloth.

7. Do not block any ventilation openings. Install the unit in accordance with the manufacturer's instructions.

8. Do not install near any heat sources such as radiators, heat registers, stoves, or other devices (including amplifiers) that produce heat.

9. Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade and the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.

10. Protect the power cord from being walked on or pinched particularly at plugs. Convenience receptacles and the point where they exit from the unit. Be sure that the power outlet is located near the unit so that it is easily accessible.

12. use only with the stand, bracket, or table specified by the manufacturer, or sold with the unit.

13. Unplug this unit when unused for long periods of time.

14. Refer all servicing to qualified service personnel. Servicing is required when the unit has been damaged in any way, such as: if the power-supply cord or plug is damaged, if liquid is spilled onto or objects fall into the unit, if the unit is exposed to rain or moisture, or if the unit does not operate normally or has been dropped.

15. Please read this manual before you operate your projector. Save it for future reference.

16. Do not look straight at the projector lens during operation. The intense light beam may damage your eyes.

17. Refer servicing to qualified service personnel.

18. Always remove the lens cap when the projector lamp is on.

19. In some countries, the line voltage is NOT stable. This projector is designed to operate safely within a mains voltage between 100 to 240 volts AC, but could fail if power cuts or surges of ±10 volts occur. In areas where the voltage may fluctuate or cut out, it is recommended that you connect your projector through a power stabilizer, surge protector or uninterruptible power supply (UPS).

20. Do not block the projection lens with any objects when the projector is under operation as this could cause the objects to become heated and deformed or even cause a fire. To temporarily turn off the lamp, press BLANK on the projector or remote control.

21. The lamp becomes extremely hot during operation. Allow the projector to cool for approximately 45

minutes prior to removing the lamp assembly for replacement.

22. Do not operate lamps beyond the rated lamp life. Excessive operation of lamps beyond the rated life could cause them to break on rare occasions.

23. Never replace the lamp assembly or any electronic components unless the projector is unplugged.

24. Do not place this product on an unstable cart, stand, or table. The product may fall, sustaining serious damage.

25. Do not attempt to disassemble this projector. There are dangerous high voltages inside which may cause death if you should come into contact with live parts. The only user serviceable part is the lamp which has its own removable cover. Under no circumstances should you ever undo or remove any other covers. Refer servicing only to suitably qualified professional service personnel.

26. Do not place this projector in any of the following environments.
   - Space that is poorly ventilated or confined. Allow at least 50 cm clearance from walls and free flow of air around the projector.
   - Locations where temperatures may become excessively high, such as the inside of a car with all windows rolled up.
   - Locations where excessive humidity, dust, or cigarette smoke may contaminate optical components, shortening the projector's life span and darkening the picture.
   - Locations near fire alarms.
   - Locations with an ambient temperature above 40℃ / 104℉
   - Locations where the altitudes are higher than 3000 m (10000 feet).

27. Do not block the ventilation holes. If the ventilation holes are seriously obstructed, overheating inside the projector may result in a fire.
   - Do not place this projector on a blanket, bedding or any other soft surface.
   - Do not cover this projector with a cloth or any other item.
   - Do not place inflammables near the projector.

28. Always place the projector on a level, horizontal surface during operation. - Do not use if tilted at an angle of more than 10 degrees left to right, nor at angle of more than 15 degrees front to back. Using the projector when it is not fully horizontal may cause a malfunction of, or damage to, the lamp.

29. Do not stand the projector on end vertically. Doing so may cause the projector to fall over, causing injury or resulting in damage to the projector.

30. Do not step on the projector or place any objects upon it. Besides probable physical damage to the projector, doing so may result in accidents and possible injury.

31. Do not place liquids near or on the projector. Liquids spilled into the projector may cause it to fail. If the projector does become wet, disconnect it from the power supply's wall socket and call your local service center to have the projector serviced.

32. When the projector is under operation, you may sense some heated air and odor from its ventilation grill. It is a normal phenomenon and not a product defect.

33. Do not use the Security bar for transporting or installation. It should be used with a commercially available theft prevention cable.

Introduction

Projector features

The projector integrates high-performance optical engine projection and a user-friendly design to deliver high reliability and ease of use.

The projector offers the following features.

• Short throw projection.

• Screen Color correction allowing projection on surfaces of several predefined colors

• Quick auto search speeding up the signal detecting process

• Digital keystone correction to correct distorted images

• Ability to display 16.7 million colors

• Multi-language On-Screen Display (OSD) menus

• Component HDTV compatibility (YPbPr) (optional)

• The apparent brightness of the projected image will vary depending on the ambient lighting conditions, selected input signal contrast/brightness settings, and is directly proportional to projection distance.

• The lamp brightness will decline over time and may vary within the lamp manufacturers' specifications. This is normal and expected behavior.
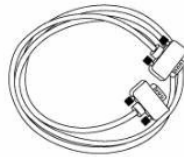
Shipping contents

Carefully unpack and verify that you have all of the items shown below. If any of these items are missing, please contact your place of purchase.
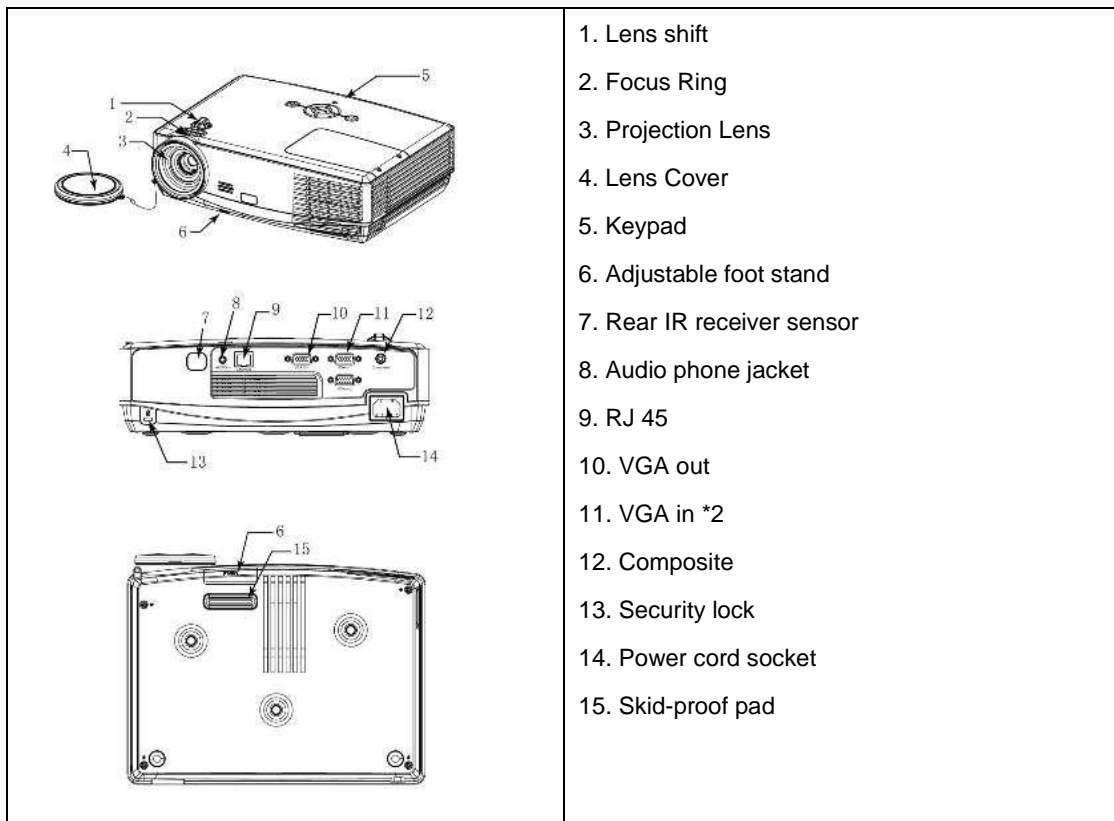
Standard Contents

. Projector*1

. Remote control *1

. Power cord*1

. VGA cable*1

. Owner's manual*1

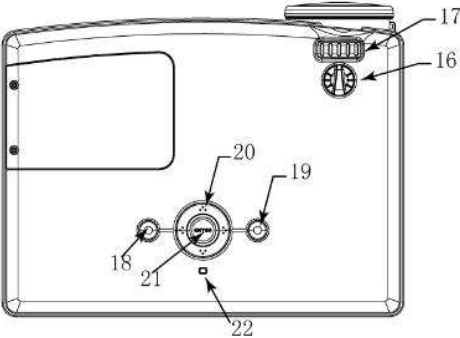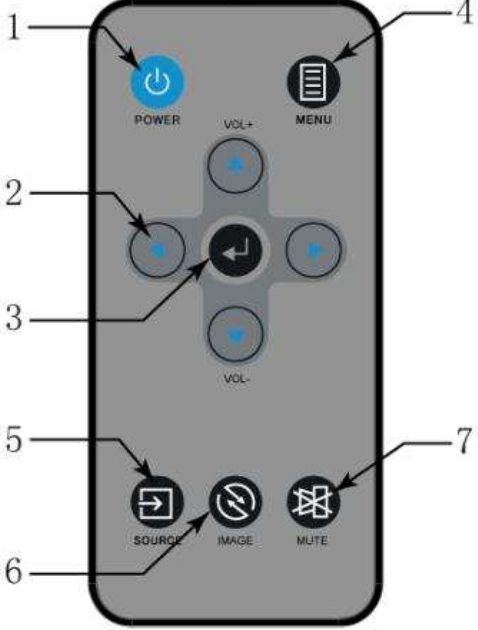The supplied accessories will be suitable for your region, and may differ from those illustrated.

Projector exterior view

	1. Lens shift
	2. Focus Ring
	3. Projection Lens
	4. Lens Cover
	5. Keypad
	6. Adjustable foot stand
	7. Rear IR receiver sensor
	8. Audio phone jacket
	9. RJ 45
	10. VGA out
	11. VGA in *2
	12. Composite
	13. Security lock
	14. Power cord socket
	15. Skid-proof pad

Warning

• **THIS APPARATUS MUST BE EARTHED.**

• **When installing the unit, incorporate a readily accessible disconnect device in the fixed wiring, or connect the power plug to an easily accessible socket-outlet near the unit. If a fault should occur during operation of the unit, operate the disconnect device to switch the power supply off, or disconnect the power plug.**

Controls and functions

| 16. Lens shift	1. POWER
To adjust the projection position up and down.	To turn on/off power.
17. Focus ring	**2. Arrow keys (Left/Right/ Up /Down)**
Adjusts the focus of the projected image.	To adjust the OSD menu.
18. Power on/ Stand-By button	**3. Enter**
To power on/ off the projection	To confirm the OSD selection
19. Menu button	**4. MENU**
To enter the OSD menu	To enter the OSD menu
20. UP/ Down/ Left/Right button	**5. Source**
To adjust the OSD selection	To select the input source
21. Enter button	**6. Image**
To confirm the OSD selection	To adjust the projection mode
22. Power indicator light	**7. Mute**
Projector situation indication.	To mute the sound of projector.
.Stand-by: orange light always on	
.Lamp strike: red light flashing	
.Normal operation: green light always on	
.Fan error: red light flash	
.Or you can see page 32 for LED indicator	

Remote control effective range

Infra-Red (IR) remote control sensor is located on the front and rear of the projector. The remote control must be held at an angle within 20 degrees perpendicular to the projector's IR remote control sensor to function correctly. The distance between the remote control and the sensor should not exceed 5 meters (~ 16 feet).

Make sure that there are no obstacles between the remote control and the IR sensor on the projector that might obstruct the infra-red
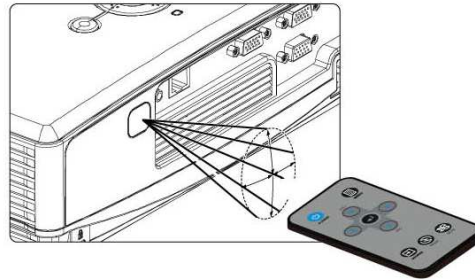
Replacing the Battery

1. Pull out the battery, **Please follow the illustrated instructions. Push and hold the locking arm while pulling out the battery holder.**

2. Insert the new battery in the holder. Note the positive polarity should face outward.
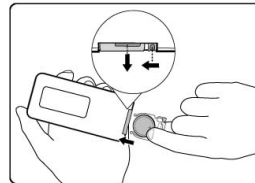
CAUTION

Avoid excessive heat and humidity.

There may be battery damage if the battery is incorrectly replaced.

Replace only with the same or equivalent type recommended by the battery manufacturer.

Dispose of the used battery according to the battery manufacturer's instructions.

Never throw a battery into a fire. There may be danger of an explosion.

If the battery is dead or if you will not be using the remote control for a long time, remove the battery to prevent damage to the remote control from possible battery leakage.
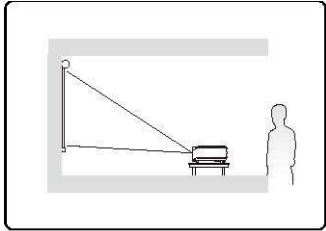
Positioning your projector

Choosing a location

Your room layout or personal preference will dictate which installation location you select.

Take into consideration the size and position of your screen, the location of a suitable power outlet, as well as the location and distance between the projector and the rest of your equipment.

Your projector is designed to be installed in the following installation locations:

1. Front Table Select this location with the projector placed near the floor in front of the screen. This is the most common way to position the projector for quick setup and portability.	

Projection dimensions

Refer to "Dimensions" on page 35 for the center of lens dimensions of this projector before calculating the appropriate position.

- 4:3 image on a 4:3 screen
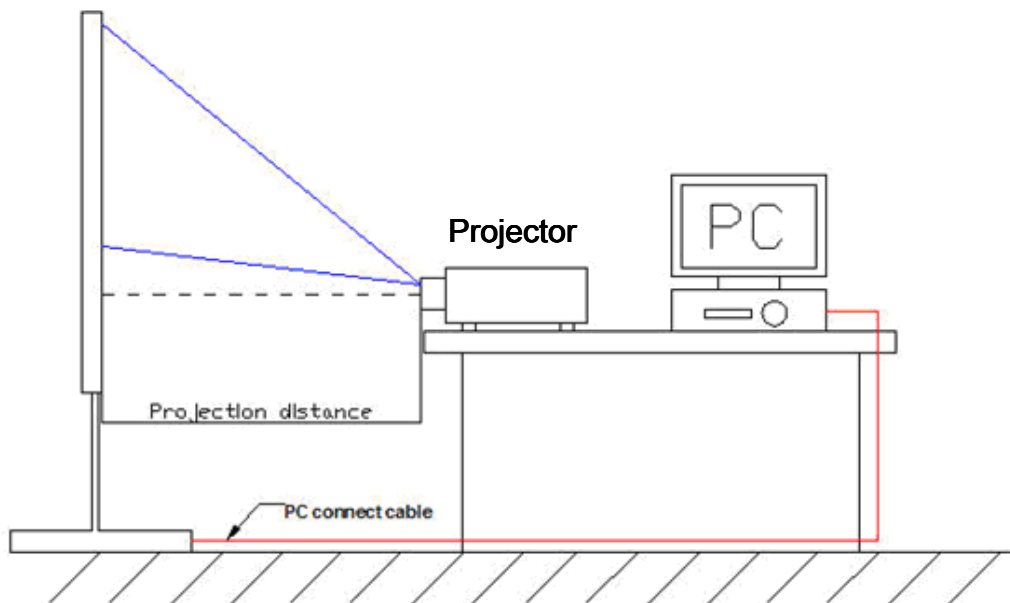
Image Diagonal (inch)	Projection Distance(mm)	Image Width(mm)	Image Height(mm)
30	378	610	457
45	567	914	686
60	756	1219	914
80	1008	1626	1219
100	1260	2032	1524
120	1512	2438	1829
150	1890	3048	2286
200	2520	4064	3048
250	3150	5080	3810
300	3780	6096	4572

There is 3% tolerance among these numbers due to optical component variations. It is recommended that if you intend to permanently install the projector, you should physically test the projection size and distance using the actual projector in situ before you permanently install it, so as to make allowance for this projector's optical characteristics. This will help you determine the exact mounting position so that it best suits your installation location.

Connection

When connecting a signal source to the projector, be sure to:

1   Turn all equipment off before making any connections.

2   Use the correct signal cables for each source.

3   Ensure the cables are firmly inserted.

In the connections shown below, some cables may not be included with the projector (see "Shipping contents" on page 6).

They are commercially available from electronics stores.

Connecting a computer or monitor by VGA connectors

To connect the projector to a notebook or desktop computer:

1   Take the supplied VGA cable and connect one end to the D-Sub output socket of the computer.

2   Connect the other end of the VGA cable to one of the VGA signal input socket on the projector.

The final connection path should be like that shown in the following diagram:
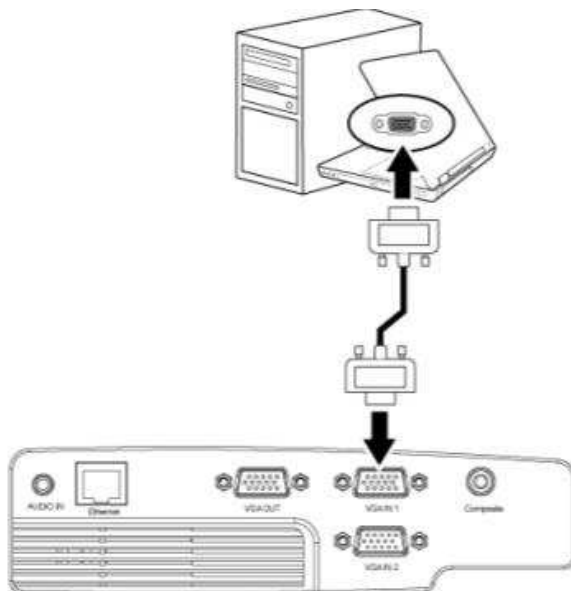
**Many notebooks do not turn on their external video ports when connected to a projector. Usually a key combo like FN +**

F3 or CRT/LCD key turns the external display on/off. Locate a function key labeled CRT/LCD or a function key with a monitor

symbol on the notebook. Press FN and the labeled function key simultaneously. Refer to your notebook's documentation to

find your notebook's key combination

Connecting a Composite Video source device

Examine your Video source device to determine if it has a set of unused Composite Video output sockets available:
1. If so, you can continue with this procedure.
2. If not, you will need to reassess which method you can use to connect to the device.
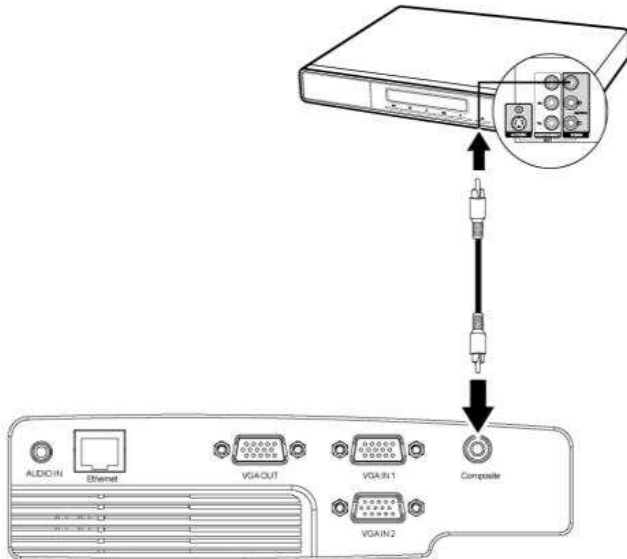
Connecting to computer or laptop for Ethernet

function

1 Computer and projector use Ethernet cables to link to different intra net ports or linked trough IP router

2 Adjust OSD of the unit to Information Item to find IP address

3   Key in IP address to link the computer and projector so the projector can be control by computer.

Connecting an Audio source device

Examine your Audio source device to determine if it has a set of unused audio output sockets available:
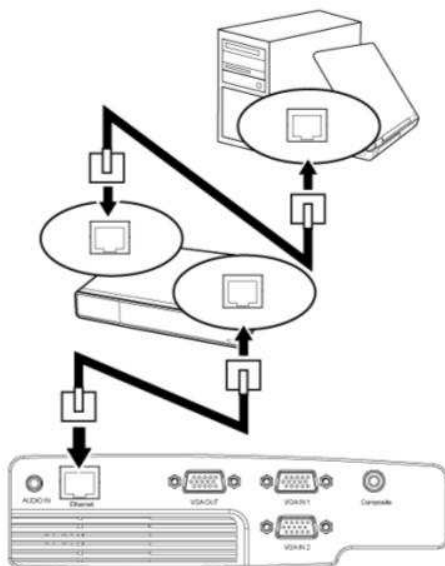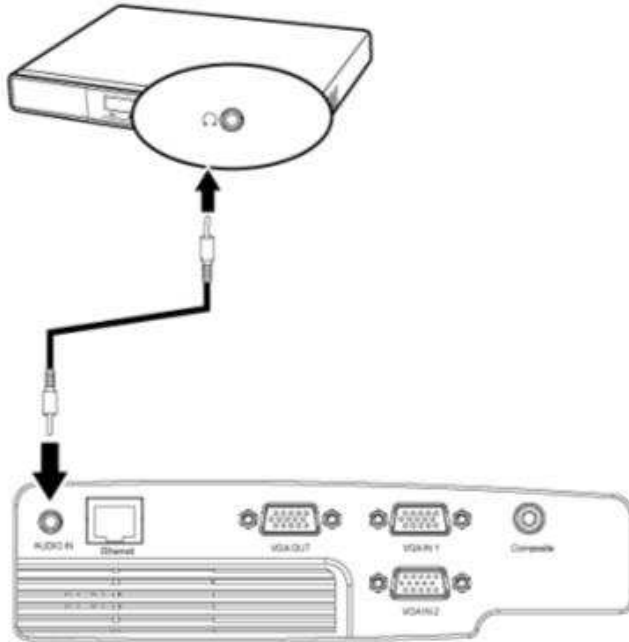1.If so, you can continue with this procedure.
2.If not, you will need to reassess which method you can use to connect to the device.

Operation

Starting up the projector

1. Plug the power cord into the projector and into a wall socket. Turn on the wall socket switch (where fitted). Check that the **POWER indicator** shows steady orange light after power has been applied.

2. Remove the lens cap. If it is closed, it could become deformed due to the heat produced by the projection lamp.

3. Press On/Stand-By of the projector or remote control to start the projector. The POWER indicator light shows flash orange light to start the projector and remain green light when the projector works. The start up procedure takes about 30 seconds. In the later stage of start up, a startup logo is projected. (If necessary) Rotate the focus ring to adjust the image clearness.
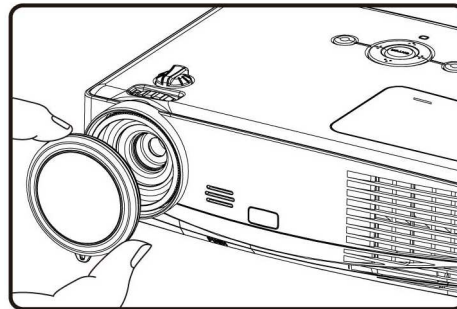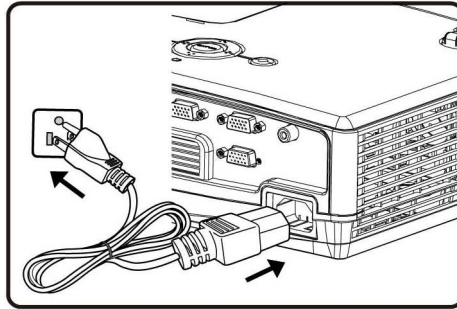
☞ **If the projector is still hot from previous activity, it will run the cooling fan for approximately 90 seconds before energizing the lamp.**
● **To maintain the lamp life, once you turn the projector on, wait at least 5 minutes before turning it off.**

1. Switch all of the connected equipment on.
2. The projector will start to search for input signals. The current input signal being scanned displays in the down right corner of the screen. If the projector doesn't detect a valid signal, the message '**No Signal**' will continue displaying until an input signal is found. You can also press **SOURCE** on the projector or remote control to select your desired input signal.

If the frequency/resolution of the input signal exceeds the projector's operating range, you will see the message 'Out of Range' displayed on a blank screen. Please change to an input signal which is compatible with the projector's resolution or set the input signal to a lower setting.

Use the Menu

The projector is equipped with On-Screen Display (OSD) menus for making various adjustments and settings.

Below is the overview of the OSD menu. To use the OSD menus, please set them to your familiar language

first.

Menu/ Source

1. Press **MENU** of the remote control or unit to turn on the OSD.

2. Press ▼ to select the beneath function for your needs.

3. Press **Enter** Key to confirm the selection

4. Press the Menu key to leave the Menu or press

Features	Description
Quick Auto Search	If Quick Auto search sets to "On", the system autos to search the next source. If Quick Auto search sets to "Off", the source retains on the selected source that user selected last time.
Main Input	Allows the user to select which Input is to be displayed on the projector: (Default is VGA) VGA / YCbCr VGA 2 /YCbCr 2 Composite Video

16

Menu/ Picture

Shown only when Signal Source is attached

1. Press **MENU** of remote control or unit to turn on the OSD.
2. Press ▶ to **picture** category.
3. Press ▼ to select the beneath function for your needs.
4. Press the ◀▶ key to adjust the modes or function values
5. Press **Enter** key to confirm the selection
6. Press **MENU** to leave the menu or press ▲ to back to menu category after Enter key confirming the selection.

Feature	Description
Picture mode	It's including Brightness, Contrast, Color, Tint, Sharpness, **Dynamic mode**: is appropriate for playing colorful movies, video clips from digital cameras or DVs through the PC input for best viewing in a blackened (little light) environment **Presentation mode**: maximizes the brightness of the projected image. This mode is suitable for environments where extra-high brightness is required, such as using the projector in well lit rooms **User mode**: allowing users to set the different image values, brightness, contrast, color, Tint, and sharpness, according the users' environment.
Brightness	When Picture mode is selected on **User mode**, this function can be active. Adjusts the brightness of the image. The higher the setting the brighter the image. And the lower the setting, the darker the image.
Contrast	When Picture mode is selected on **User mode**, this function can be active. Adjusts the degree of difference between the dark and light in the image. The higher the value, the greater the contrast.

Color	When Picture mode is selected on **User mode**, this function can be active.
	Adjusts the intensity of the Color in the image.
	There is no the function support for VGA input source
Tint	When Picture mode is selected on **User mode**, this function can be active.
	Adjusts the balance of red-to-green necessary for realistic representation of Video signals. (+ is green and – is reddish)
	There is no the function support for VGA input source.
Sharpness	When Picture mode is selected on **User mode**, this function can be active.
	Adjusts the image to make it look sharper. (At higher values, will switch to Detail Enhancement)

Menu/ Display

Shown only when Signal Source is attached

1. Press **MENU** of remote control or unit to turn on the OSD.

2. Press ▶ to **Display** category.

3. Press ▼ to select the beneath function for your needs.

4. Press the ◀ ▶ key to adjust the function values

5. Press **Enter** key to confirm the selection

6. Press **MENU** to leave the menu or press ▲ to back to menu category after Enter key confirming the selection.

Feature	Description
Aspect Ratio	Including Auto, Native, 4:3, 16:9, aspect ratio allows user to set the aspect ratio of the image displayed on the projector. This is helpful when the input resolution is not at the native resolution of the content or if the user wishes to fill the projector. For example, many DVD players allow a widescreen output that squeezes 16:9 sources into the 4:3 format. The function preserves the native line resolution without adding black bars to the top or bottom of the image.
Keystone	Vertical keystone correction +/- 10°
Horizontal Position	Adjusts the horizontal position of the projected image.(Only VGA Active). Maximum and Minimum range is +/-5, but different source timing gets the different range, some sources may get the narrow range.
Vertical Position	Adjusts the vertical position of the projected image.(Only VGA Active). Maximum and Minimum range is +/-5, but different source timing get the different range, some sources may get the narrow range.

19

Phase	This function allows the user to adjust the clock phase to reduce image distortion. (Only VGA　Active) Base-On ADC's Phase：0 ~ 31
H Size	This function allows the user to adjust the horizontal width of the image. (Only VGA Active)
Digital Zoom	Digital Zoom scales part of the input image to a larger size to increase visibility at a distance.

Menu/ System Setup-Basic

1. Press **MENU** of remote control or unit to turn on the OSD.

2. Press ► to System Setup-Basic category.

3. Press ▼ to select the beneath function for your needs.

4. Press the ◄ ► key to adjust the modes

5. Press **Enter** key to confirm the selection

6. Press **MENU** to leave the menu or press ▲ to back to menu category after Enter key confirming the selection.

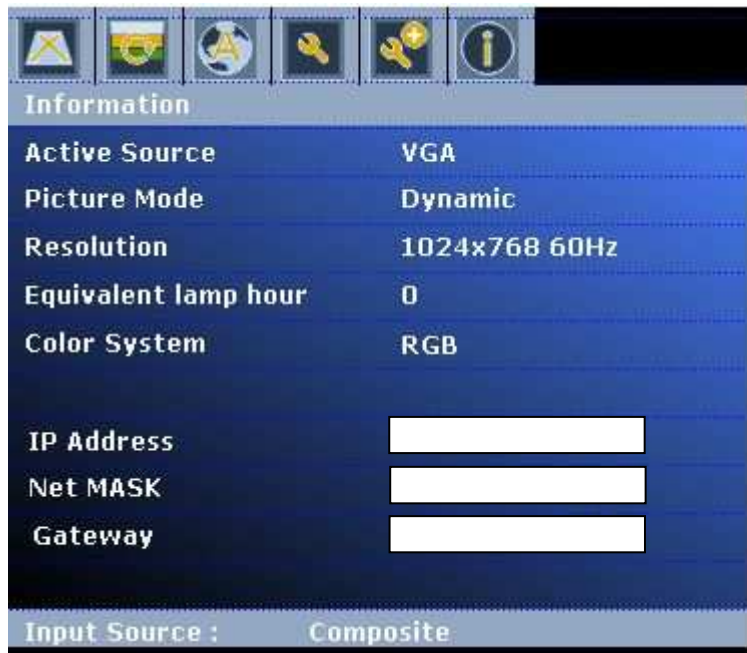| Feature	Description
Language	Allows user to select the Menu language: English/ Japanese/ Traditional Chinese/ Simplified Chinese
Projector position	Allow user to select the projector position: Front Table/ Rear Table/ Rear Ceiling/ Front Ceiling
Blank Screen	Allow user to select the Black / Blue / Splash screen item when lost signal, or auto search source.

Menu/ System Setup-Advance

1. Press **MENU** of remote control or unit to turn on the OSD.

2. Press ▶ to System Setup-Advance category

1. Press ▼ to select the beneath function for your needs.

2. Press the ◀ ▶ key to adjust the modes or values

3. Press **Enter** key to confirm the selection

4. Press **MENU** to leave the menu or press ▲ to back to menu category after Enter key confirming the selection.

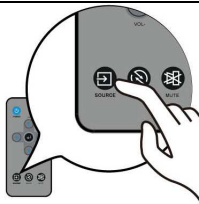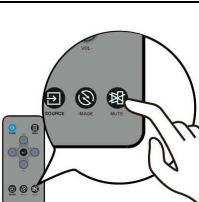| Feature	Description
High Altitude Mode	Allow user to set the Fan running at full speed when Altitude On. Default value set as Off
Volume	Allow user to adjust audio volume from 0 to 100. When setting 0, the sound is Muted automatically.
Mute	Allow user to mute the audio volume, Press "Enter" key to Enable/Disable this function.
Menu Position	Menu displays position including: Center/ Top-Left/ Top-Right/ Bottom-Right/ Bottom-Left
Lamp mode	Set the lamp mode including Bright/ Normal/ Eco
Reset Lamp Timer	Allow user reset lamp hour to 0 when user change to new lamp.
Reset All Settings	Reset all setting but "Language" , "Projector position" , "High altitude mode" items will remain to the user setting value and can not to be reset
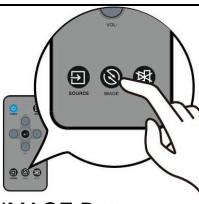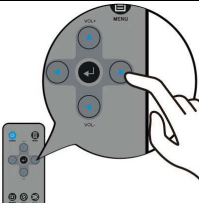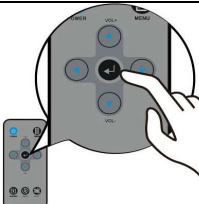
Menu/ Information

1. Press **MENU** of remote control or unit to turn on the OSD.

2. Press ▶ to Information category.

3. Press **MENU** to leave the menu.

Feature	Description
Active Source	Display the current input source information
Picture Mode	Display the picture mode information
Resolution	Display the current source resolution information
Equivalent lamp hour	Display the used lamp hours information
Color system	Display the color space information
IP Address	Display IP address that RJ45 connector of unit linked to intranet.

IR Remote Control

Command	Description
Power Button	Unit off- press **Power** button once to turn unit on Unit On - press **Power** button once to initiate turn off notice, press again to return product to standby state
Source Button	Pressing **Source** button will sequentially switch through inputs (First initial press brings up the current selected source)(each selection requires a button press)
Mute Button	Mute's sound when pressed, returns to previous volume setting when pressed again
Menu Button	Initiates On Screen Menu. Exits on screen menu when menu opened
IMAGE Button	Select picture mode for Dynamic, Presentation, or User mode.
▲ ▼ ◀ ▶ Button	Moves upwards/ downwards/ left/ right through selections in menu Increases/ decreases adjusted values of selected function
Enter Button	Confirm the selection

Use Ethernet function

The function allows users to remote control the projector through computer system in "Intranet environment".

Operation Instruction

1. Computer system links to intra net port and the projector links to anther intra net port through Ethernet
   cables.

2. Or use IP Router to link Computer/ Intra Net port/ Projector by Ethernet cables.

3. Adjust OSD of the unit to Information category to find IP address

4. Key in IP address to link the computer and projector, then projector can be controlled by the computer.
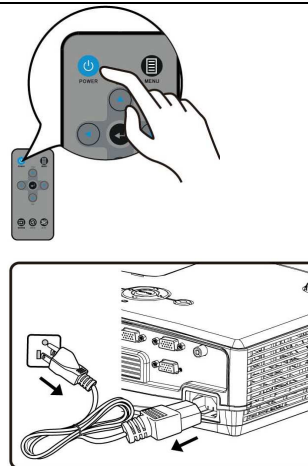
Shutting down the projector

Press **ON/STANDY-BY** button of unit or **POWER** button of remote control and a confirmation message displays prompting you. If you don't respond in a few seconds, the message will disappear. Press **ON/STANDY-BY** or **POWER** button a second time. The **POWER indicator light** flashes red, the projection lamp shuts down, and the fans will continue to run for approximately 120 seconds to cool down the projector. Disconnect the power cord from the wall socket if the projector will not be used in an extended period of time.	

⚠**CAUTION**

To protect the lamp, the projector will not respond to any commands during the cooling process.

Do not unplug the power cord before the projector shutdown sequence is completed or during the 120-second cooling down process.

If the projector is not properly shut down, to protect the lamp, when you attempt to re-start the projector, the fans will run for a few minutes to cool down. Press POWER again to start the projector after the fans stop and the POWER indicator light steady orange.

Maintenance

Care of the projector

Your projector needs little maintenance. The only thing you need to do on a regular basis is to keep the lens clean.

Never remove any parts of the projector except the lamp. Contact your dealer if other parts need replacing.

Cleaning the lens

Clean the lens whenever you notice dirt or dust on the surface.

Use a canister of compressed air to remove dust.

If there is dirt or smears, use lens-cleaning paper or moisten a soft cloth with lens cleaner and gently wipe the lens surface.

⚠ **CAUTION**

Never rub the lens with abrasive materials.

Cleaning the projector case

Before you clean the case, turn the projector off using the proper shutdown procedure as described in "Shutting down the projector" on page 26 and unplug the power cord.

To remove dirt or dust, wipe the case with a soft, lint-free cloth.

To remove stubborn dirt or stains, moisten a soft cloth with water and a neutral pH detergent. Then wipe the case.

⚠**CAUTION**

Never use wax, alcohol, benzene, thinner or other chemical detergents. These can damage the case.

Storing the projector

If you need to store the projector for an extended time, please follow the instructions below:

Make sure the temperature and humidity of the storage area are within the recommended range for the projector. Please refer to "Specifications" on page 34 or consult your dealer about the range.

Retract the adjuster feet.

Remove the battery from the remote control.

Pack the projector in its original packing or equivalent.

Transporting the projector

It is recommended that you ship the projector with its original packing or equivalent.

Lamp information

Getting to know the lamp hour

When the projector is in operation, the duration (in hours) of lamp usage is automatically calculated by the built-in timer.

To obtain the lamp hour information:

Press **MENU** and then press ▶ to the **Information** category

You will see the **Equivalent lamp hour** information displaying on the menu

To leave the menu, press **MENU**.

Timing for replacing the lamp

When a message appears "Please change the lamp", please install a new lamp or consult your dealer. An old lamp may cause a malfunction in the projector and in some instances the lamp may explode.

⚠ CAUTION

The Lamp indicator light and Temperature warning light will light up if the lamp becomes too hot. Turn the power off and let the projector cool for 45 minutes. If the Lamp or Temp indicator still lights up after turning the power back on, please contact your dealer. See "Indicators" on page 46 for details.

The following lamp warning displays will remind you to change the lamp.

Status	Message
The lamp has been in operation for 2000 hours. Install a new lamp for optimal performance. You may continue to operate the projector. "Please change the lamp" will be shown every time when the projector is on.	Please change the lamp Please replace the lamp 0

Replacing the lamp

To prepare a new lamp, contact your dealer for details.

**Type number: OSRAM E20.6 180-230W lamp**

To reduce the risk of injuries to fingers and damage to internal components, use caution when removing lamp glass that has shattered into sharp pieces. Before replacing the lamp, clean the lamp compartment and dispose of cleaning materials. Be careful of sharp edges in the lamp compartment. Wash hands after lamp replacement.

Only manufacturer certified lamps are tested with this projector. Use of other lamps may cause electrical shock and fire.

Turn the power off and disconnect the projector from the wall socket before replace the lamp. Follow with below instruction... Contact your dealer for details.

1. To remove the screws showed as 1 to open the lamp door showed as A
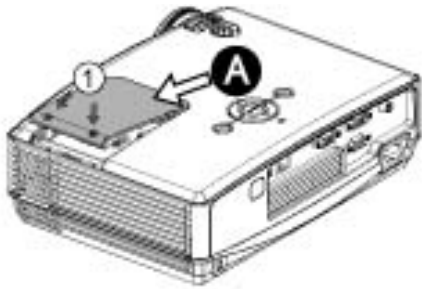
2. To remove the screws showed as 2 then use the handle showed as B to draw up the lamp holder
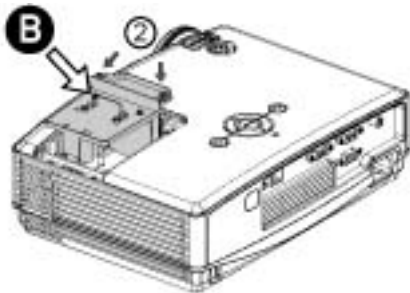
3. To remove the screw showed as A and press the E point forward to loose the lamp
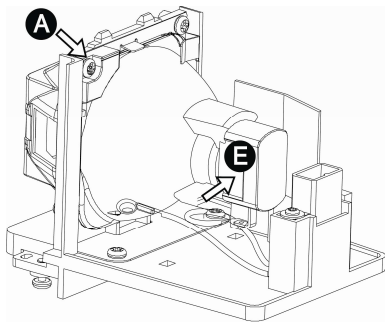
4. To pull out the 2 pins of lamp (B&C) and push the lamp to D direction then lamp can be removed.
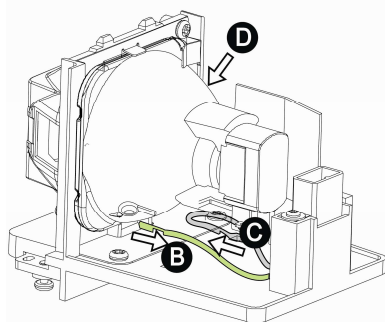
5.To change the new lamp and use the inverse procedure to reassemble the unit.
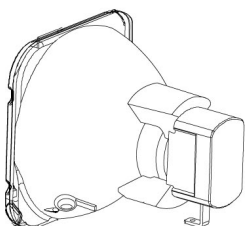
WARNING

Hg - Lamp contains mercury. Manage in accordance with local disposal laws. See www.lamprecycle.org

To reduce the risk of electrical shock, always turn the projector off and disconnect the power cord before changing the lamp.

To reduce the risk of severe burns, allow the projector to cool for at least 45 minutes before replacing the lamp.

To reduce the risk of injuries to fingers and damage to internal components, use caution when removing lamp glass that has shattered into sharp pieces. Before replacing the lamp, clean the lamp compartment and dispose of cleaning materials. Be careful of sharp edges in the lamp compartment. Wash hands after lamp replacement.

Turn the power off and disconnect the projector from the wall socket before replace the lamp. Follow with below instruction.

⚠️**CAUTION Do not turn the power on with the lamp cover removed.**

Resetting the lamp timer

1. Press **MENU** of remote control or unit to turn on the OSD.

2. Press ▶ to System Setup-Advance category

3. Press ▼ to Reset Lamp Timer

4. Press **Enter** Key to show the "confirm again" page and select **OK** to reset the lamp timer.

   ⚠️   **CAUTION Do not reset if the lamp is not new or replaced as this could cause damage.**

LED Indicators

Mode	LED Signals on Projector
Stand by	Orange LED (always on)
Powering up	Orange LED (Flashing)
Normal Operation	Green LED (always on)
Fan Error	Red LED (Once every one second)
Thermal Error	Red LED (twice every one second)
Power Error	Red LED (always on)
Download mode	Green LED on first, then Orange LED flashing
Cooling Mode	RED and Green LED (interlace)

Trouble shooting

Cause	Remedy
There is no power from the power cord.	Plug the power cord into the AC inlet on the projector, and plug the power cord into the power outlet.
Attempting to turn the projector on again during the cooling process.	Wait until the cooling down process has completed.

Cause	Remedy
The video source is not turned on or connected correctly.	Turn the video source on and check that the signal cable is connected correctly.
The projector is not correctly connected to the input signal device.	Check the connection.
The input signal has not been correctly selected.	Select the correct input signal with the **SOURCE** key on the projector or remote control.
The lens cover is still closed.	Open the lens cover.

Cause	Remedy
The projection lens is not correctly focused.	Adjust the focus of the lens using the focus ring.
The projector and the screen are not aligned properly.	Adjust the projection angle and direction as well as the height of the projector if necessary.
The lens cover is still closed.	Open the lens cover.

| Cause	Remedy
The battery is out of power.	Replace the battery with a new one.
There is an obstacle between the remote control and the projector.	Remove the obstacle.
You are too far away from the projector.	Stand within 5 meters of the projector.

Specifications

All specifications are subject to change without notice.

General	
Product name	DLP Projector

Optical	
Resolution	1024*768 XGA
Display system	TI 0.55" DMD^{TM} Type X
Lens F/Number	F = 2.6
Lamp	OSRAM 180-230W E20.6

Power Supply	
Input Voltage	100V to 240V with 10% tolerance
Power consumption	Normal operation: less than 300W; Stand By: less 1W

Mechanical	
Dimensions	L -280.00 W-207.00 H-84.50
Weight	2.89kg

Electrical Feature	
Input Ports	- VGA in (D-sub 15 Pins) connector x 2 - RJ45 - Composite - AC power inlet
Output Port	-VGA out (D-sub 15 Pins) -Phone jack

Environmental Requirements	
Operating temperature	5℃–35℃
Operating relative humidity	10-80% RH(Without condensation)
Operating altitude	(0-2000 m) above sea level

Dimension

85mm

206mm

280mm
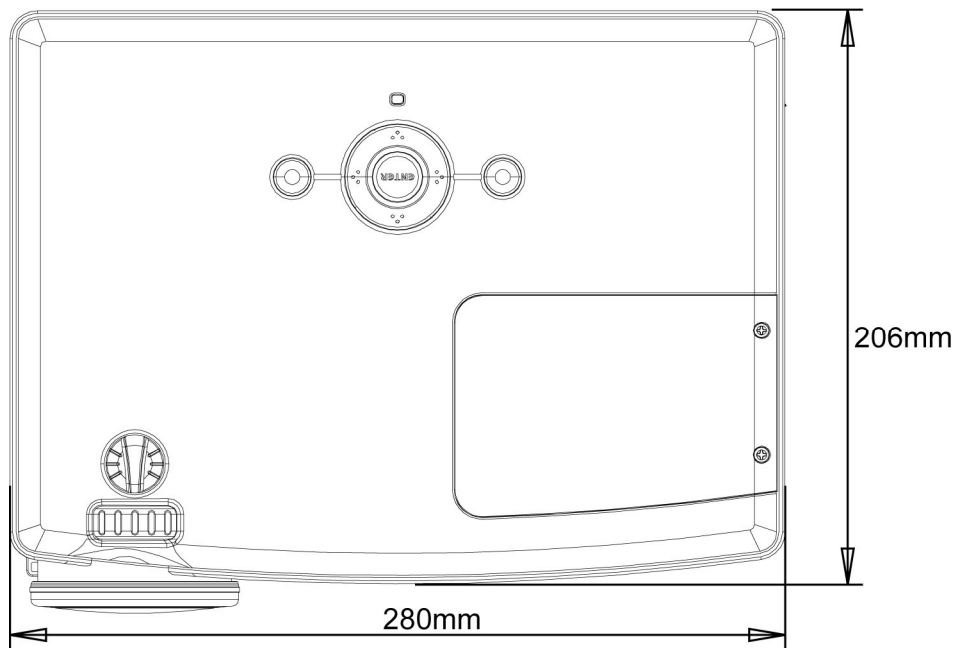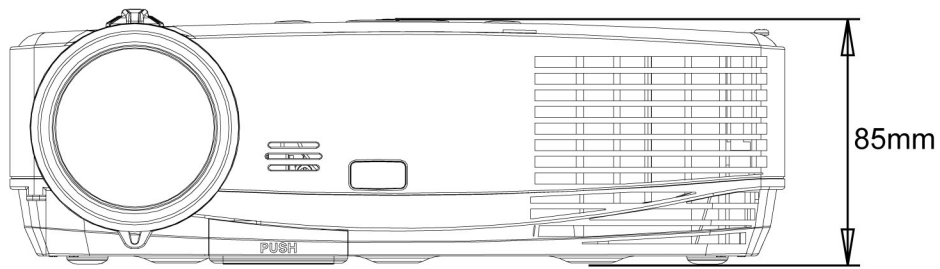
Timing chart

Mode	Resolution	V(Hz)
VGA	640x480	50
VGA	640x480	60
VGA	640x480	70
VGA	640x480	72
VGA	640x480	75
VGA	640x480	85
VGA	720x400	60
VGA	720x400	70
VGA	720x400	85
SVGA	800x600	50
SVGA	800x600	56
SVGA	800x600	60
SVGA	800x600	70
SVGA	800x600	72
SVGA	800x600	75
SVGA	800x600	85
XGA	1024x768	50
XGA	1024x768	60
XGA	1024x768	70
XGA	1024x768	72
XGA	1024x768	75
XGA	1024x768	85
SXGA	1152x864	60
SXGA	1152x882	60
SXGA	1280x1024	60
Quad VGA	1280x960	60
MAC 19	1024x768	75
MAC	1024x768	60.24
WXGA	1280x768	60
WXGA	1280x768	75
Video Sources		
480i (525i)		59.94

Mode	Resolution	V(Hz)
480p(525p)		59.94
576i(625i)		50
576p(625p)		50
720p(750p)		60
720p(750p)		50
1080i(1125i)*		30
1080i(1125i)*		25
*Half Sampling Only Processing 540 lines		