

This user manual is provided as a free service by FixYourDLP.com. FixYourDLP is in no way responsible for the content of this manual, nor do we guarantee its accuracy. FixYourDLP does not make any claim of copyright and all copyrights remain the property of their respective owners.

About FixYourDLP.com

FixYourDLP.com (http://www.fixyourdlp.com) is the World's #1 resource for media product news, reviews, do-it-yourself guides, and manuals.

Informational Blog: http://www.fixyourdlp.com Video Guides: http://www.fixyourdlp.com/guides User Forums: http://www.fixyourdlp.com/forum

FixYourDLP's Fight Against Counterfeit Lamps: http://www.fixyourdlp.com/counterfeits

Sponsors:

RecycleYourLamp.org – Free lamp recycling services for used lamps: http://www.recycleyourlamp.org

Lamp Research - The trusted 3rd party lamp research company: http://www.lampresearch.com

Discount-Merchant.com – The worlds largest lamp distributor: http://www.discount-merchant.com



Table of Contents

Table of Contents	1
Usage Notice Safety Information	2 3 5
Introduction	6
Package Overview Product Overview Main Unit Input / Output Connections Remote Control	7 7 8
Installation	
Connect to Computer/Notebook Connect to Video Sources Powering On/Off the Projector. Powering Off the Projector Powering Off the projector Warning Indicator. Adjusting the Projected Image. Adjusting the Projector's Height. Adjusting the Projector's Zoom / Focus Adjusting Projected Image Size. User Controls On-screen Display Menus How to operate Menu Tree. Image Display Setup.	111213141515161717171718192326
Options	
Troubleshooting	35 35 38 38
Compatibility Modes RS232 Commands Ceiling Mount Installation THE T Optoma Global Offices OR PROJECTOR LAMPS AND AGGESS	42 44 6 0 48
Regulation & Safety notices	51

Safety Information



The lightning flash with arrow head within an equilateral triangle is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.



The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

WARNING: TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE. DANGEROUS HIGH VOLTAGES ARE PRESENT INSIDE THE ENCLOSURE. DO NOT OPEN THE CABINET. REFER SERVICING TO QUALIFIED PERSONNEL ONLY.

Class B emissions limits

This Class B digital apparatus meets all requirements of the Canadian Interference-Causing Equipment Regulations.

Important Safety Instruction

- 1. Do not block any ventilation openings. To ensure reliable operation of the projector and to protect from over heating, it is recommended to install the projector in a location that does not block ventilation. As an example, do not place the projector on a crowded coffee table, sofa, bed, etc. Do not put the projector in an enclosure such as a book case or a cabinet that restricts air flow.
- Do not use the projector near water or moisture. To reduce the risk of fire and/or electric shock, do not expose the projector to rain or moisture.
- 3. Do not install near heat sources such as radiators, heaters, stoves or any other apparatus such as amplifiers that emits heat.
- 4. Clean only with dry cloth.
- 5. Only use attachments/accessories specified by the manufacturer.
- 6. Do not use the unit if it has been physically damaged or abused. Physical damage/abuse would be (but not limited to):
 - Unit has been dropped.
 - Power supply cord or plug has been damaged.
 - Liquid has been spilled on to the projector.
 - Projector has been exposed to rain or moisture.
 - Something has fallen in the projector or something is loose inside. Do not attempt to service the unit yourself. Opening or removing covers may expose you to dangerous voltages or other hazards. Please call Optoma before you send the unit for repair.

7. Do not let objects or liquids enter the projector. They may touch dangerous voltage points and short out parts that could result in fire or electric shock.

1. Do not let objects or liquids enter the projector. They may touch dangerous voltage points and short out parts that could result in fire or electric shock.

- 8. See projector enclosure for safety related markings.
- 9. The unit should only be repaired by appropriate service personnel.



Precautions



Please follow all warnings, precautions and maintenance as recommended in this user's quide.

- Warning- Do not look into the projector's lens when the lamp is on. The bright light may hurt your eyes.
- Warning- To reduce the risk of fire or electric shock, do not expose this projector to rain or moisture.
- Warning- Please do not open or disassemble the projector as this may cause electric shock.
- Warning- When replacing the lamp, please allow the unit to cool down. Follow instructions as described on pages 40-41.
- Warning- This projector will detect the life of the lamp itself. Please be sure to change the lamp when it shows warning messages.
- Warning-Reset the "Lamp Reset" function from the on-screen display "Options|Lamp Settings" menu after replacing the lamp module (refer to page 34).
- Warning-When switching the projector off, please ensure the cooling cycle has been completed before disconnecting power. Allow 90 seconds for the projector to cool down.
- Warning-When the lamp is approaching the end of its lifetime, the message "Lamp Warning: Lamp life exceeded." will show on the screen. Please contact your local reseller or service center to change the lamp as soon as possible.

(800) 281-8860 OR PROJECTOR LAMPS AND ACCESSORIES

listed under "Replacing the Lamp" section on pages 40-41.

lamp, follow the procedures



When the lamp reaches the end of its life, the projector will not turn back on until the lamp module has Fixe Your Black Com To replace the

Do:

- Turn off and unplug the power plug from the AC outlet before cleaning the product.
- Use a soft dry cloth with mild detergent to clean the display housing.
- Disconnect the power plug from AC outlet if the product is not being used for a long period of time.

Do not:

- Block the slots and openings on the unit provided for ventilation.
- Use abrasive cleaners, waxes or solvents to clean the unit.
- Use under the following conditions:
 - In extremely hot, cold or humid environments.
 - Ensure that the ambient room temperature is within 5 - 35°C.
 - ▶ Relative Humidity is 5 35°C, 80% (Max.), non-condensing.
 - In areas susceptible to excessive dust and dirt.
 - Near any appliance generating a strong magnetic field.
 - In direct sunlight.



Eye Safety Warnings



- Avoid staring/facing directly into the projector beam at all times. Keep your back to the beam as much as possible.
- When projector is used in a classroom, adequately supervise students when they are asked to point out something on the screen.
- In order to minimize the lamp power, use room blinds to reduce ambient light levels.

Product Features

- One built-in speaker with 2 watt amplifier
- HDTV compatible (720P, 1080i/p)
- BrilliantColor[™] Technology
- RS232 control
- Rapid shutdown

FixYourDLP.com

Package Overview

Unpack and inspect the box contents to ensure all parts listed below are in the box. If something is missing, please contact your nearest customer service center.



Projector



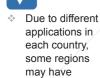
Power Cord 1.8m



IR Remote Control



2 × AAA Batteries

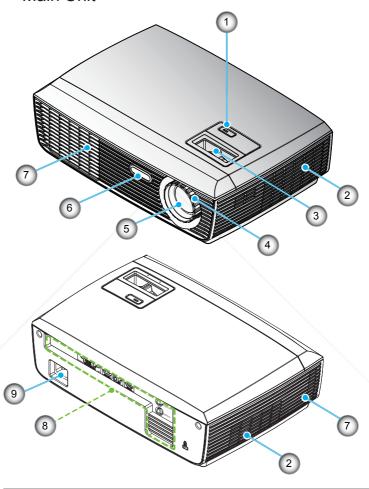


different accessories.



Product Overview

Main Unit





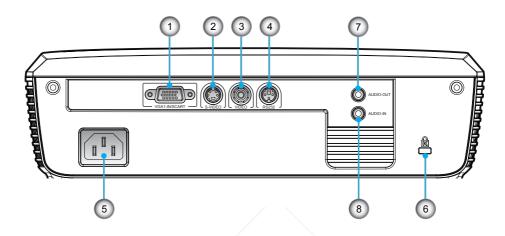
1. POWER button and 015. Zoom Lens 01-8860

HE TRUSTED SOULED indicator OJECTOR LIGHTIR Receiver CESSORIES

- 2. Ventilation (inlet)
- 3. Zoom Ring
- 4. Focus Ring

- 7. Ventilation (outlet)
- 8. Input / Output Connections
- 9. Power Socket

Input / Output Connection

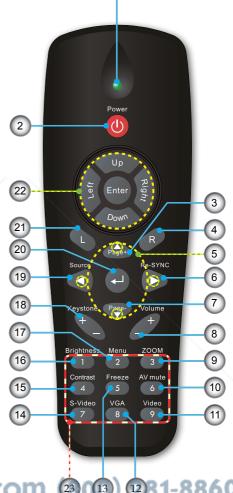


- VGA1-In/SCART Connector (PC Analog Signal/Component Video Input/HDTV/SCART/ YPbPr)
- 2. S-Video Input Connector
- 3. Composite Video Input Connector
- 4. RS-232 Connector (3-pin)
- 5. Power Socket
- 6. Kensington™ Lock Port
- 7. Audio Output Connector
- 8. Audio Input Connector



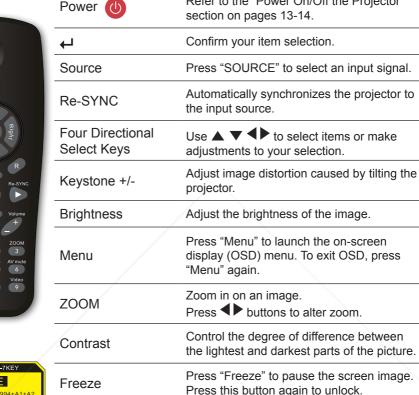
Remote Control

- 1. LED Indicator
- 2. Power On/Off
- 3. No Function on this model
- 4. No Function on this model
- Four Directional Select Keys
- 6. Re-Sync
- 7. No Function on this model
- 8. Volume +/-
- 9. Zoom
- 10. AV mute
- 11. Video
- 12. VGA
- 13. Freeze
- 14. S-Video
- 15. Contrast
- 16. Brightness
- 17. Menu
- 18. Keystone +/-
- 19. Source
- 20. Enter
- 21. No Function on this model
- 22. No Function on this model
- 23. Numbered keypad (for password input)









Using the Remote Control

Refer to the "Power On/Off the Projector"



S-Video

VGA

Video

AV mute Momentarily turns off/on the video.

Volume +/- Adjust to increase / decrease the volume.

source.

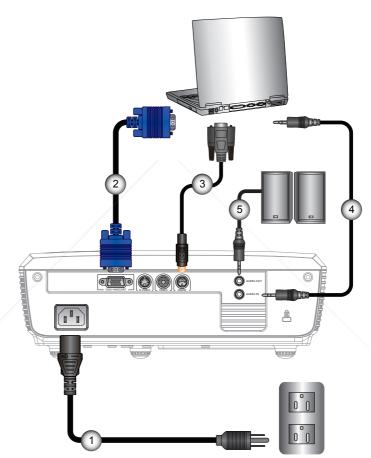
Press "S-Video" to choose S-Video source.

Press "VGA" to choose VGA sources.

Press "Video" to choose Composite video

Connecting the Projector

Connect to Computer/Notebook





- Due to the difference in applications for each country, some regions may have different accessories.
- (*) Optional accessory



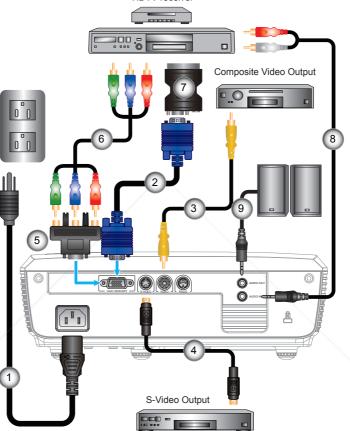
Discount-Merchant.com (800) 281-8860

THE TRUSTED SOURCE FOR PROJECTOR LAMPS AND ACCESSPOWER Cord
2......*VGA Cable
3.....*RS232 Cable
4.....*Audio Input Cable

.....*Audio Output Cable

Connect to Video Sources

DVD Player, Set-top Box, HDTV receiver





- Due to the difference in applications for each country, some regions may have different accessories.
- (*) Optional accessory
- The volume of the AUDIO OUT is fixed and cannot be controlled using the volume control either on the projector or the remote control.

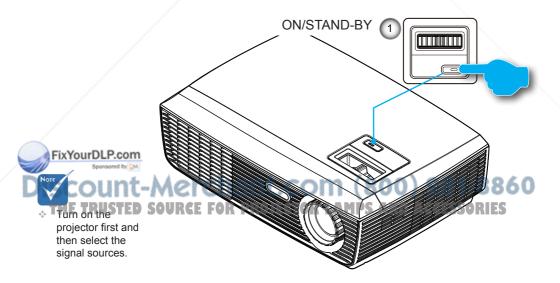


	Power Cord
	*VGA Cable
3.A.A.Y	*S-Video Cable **S-Video Cable
4	*S-Video Cable
Salurgi Salurgi	FORPRO.L.CT*15-Pin to 3 RCA Component/HDTV Adaptor
6	*3 RCA Component Cable
	*SCART/VGA Adaptor
8	*Audio Input Cable
	*Audio Output Cable

Powering On/Off the Projector

Powering On the Projector

- 1. Securely connect the power cord and signal cable. When connected, the Power LED will turn Red.
- 2. Turn on the lamp by pressing "ON/STAND-BY" button either on the top of the projector or on the remote. The Power LED will now turn Blue.
 - The startup screen will display in approximately 10 seconds. The first time you use the projector, you can select your preferred language from quick menu after the startup screen displays.
- Turn on and connect the source that you want to display on the screen (computer, notebook, video player, etc). The projector will detect the source automatically. If not, push menu button on the remote control and go to "OPTIONS". Make sure that the "Source Lock" has been set to "Off".
- If you connect multiple sources at the same time, press the "SOURCE" button or direct source keys on the remote control to switch between inputs.



Powering Off the Projector

Press the "ON/STAND-BY" button to turn off the projector lamp. The following message will be displayed on the screen.





Press the "ON/STAND-BY" button again to confirm, otherwise the message will disappear after 15 seconds. When you press the "ON/STAND-BY" button a second time, the system will show the countdown timer on the screen.

- 2. The cooling fans continue to operate for about 10 seconds for cooling cycle. When the Power LED turns Red, the projector has entered standby mode.
 - If you wish to turn the projector back on, you must wait until the projector has completed the cooling cycle and has entered standby mode. Once in standby mode, simply press "ON/STAND-BY" button to restart the projector.
- 3. Disconnect the power cord from the electrical outlet and the projector.
- 4. Do not turn on the projector immediately following a power off procedure.

V

Contact the nearest service center if the projector displays these symptoms. See pages 49-50 for more

Warning Indicator

- When the "ON/STAND-BY" indicator flashes red (0.5 sec off, 0.5 sec on), the projector will automatically shut down. Please call the nearest Optoma facility for assistance.
- When the "ON/STAND-BY" indicator flashes red (1.0 sec off, 1.0 sec on), it indicates the projector has overheated. The projector will shut down automatically.

Under normal conditions, the projector can be switched on

HE TRUSTED SOURCE After it has cooled downers and accessories

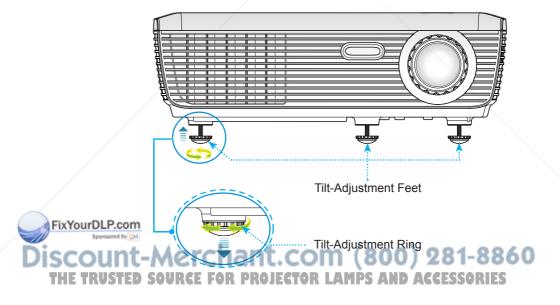
When the "ON/STAND-BY" indicator flashes red (0.5 sec off, 2.0 sec on), it indicates the fan has failed.

Adjusting the Projected Image

Adjusting the Projector's Height

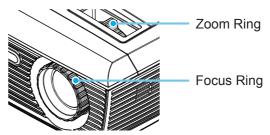
The projector is equipped with elevator feet for adjusting the image height.

- 1. Locate the adjustable foot you wish to modify on the underside of the projector.
- Rotate the three adjustable rings counter clockwise to raise the projector or clockwise to lower it. Repeat with the remaining feet as needed.

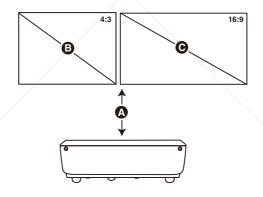


Adjusting the Projector's Zoom / Focus

You may turn the zoom ring to zoom in or out. To focus the image, rotate the focus ring until the image is clear. The projector will focus at distances from 3.9 to 39.4 feet (1.2 to 12.0 meters).



Adjusting Projection Image Size



	1
	2
	3
	3
4	4
1er	(4)
101	- 6
URCE	7
	8
	9
	1

12.00

4:3			16:9			
Α	E	3	Α	(
(m)	(m)	(inch)	(m)	(m)	(inch)	
1.20	0.77	30.31	1.20	0.71	27.83	
2.00	1.28	50.52	2.00	1.18	46.38	
2.50	1.60	63.15	2.50	1.47	57.97	
3.00	1.92	75.78	3.00	1.77	69.57	
4.00	2.57	101.04	4.00	2.36	92.76	
5.00	3.21	126.30	5.00	2.95	115.95	281-8860
6.00	3.85	151.56	6.00	3.53	139.14	
7.00	4.49	176.82	7.00	4.12	162.32	EESSORIES
8.00	5.13	202.08	8.00	4.71	185.51	
9.00	5.77	227.34	9.00	5.30	208.70	
10.00	6.42	252.60	10.00	5.89	231.89	
11.00	7.06	277.86	11.00	6.48	255.08	

12.00

7.07

278.27

303.12

10.0

FixYourDLP.com

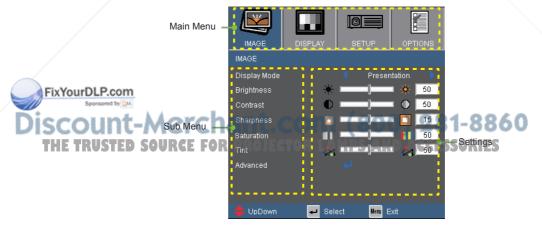
THE TRUSTED SO

On-screen Display Menus

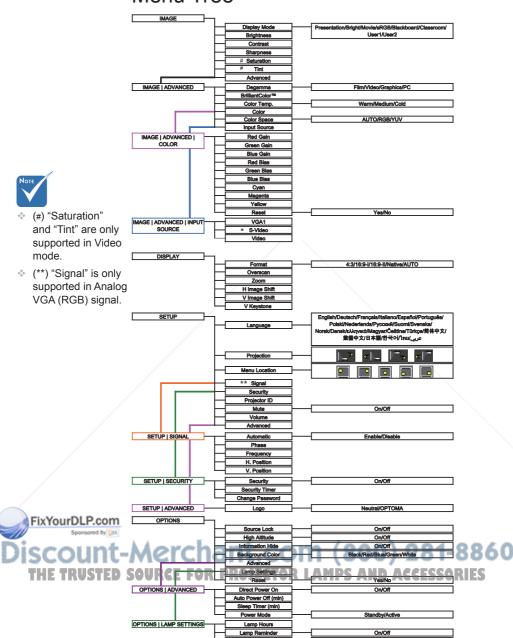
The Projector has multilingual On-screen Display menus that allow you to make image adjustments and change a variety of settings. The projector will automatically detect the source.

How to operate

- 1. To open the OSD menu, press "MENU" on the Remote Control.
- When OSD is displayed, use ◀ ▶ keys to select any item in the main menu. While making a selection on a particular page, press ▼ or "Enter" key to enter sub menu.
- Use ▲ ▼ keys to select the desired item and adjust the settings by ◀ ▶ key.
- 4. Select the next item to be adjusted in the sub menu and adjust as described above.
- 5. Press "Enter" to confirm, and the screen will return to the main menu.
- 6. To exit, press "MENU" again. The OSD menu will close and the projector will automatically save the new settings.



Menu Tree



Brightness Mode

Lamp Reset

STD/BRIGHT



(#) "Saturation" and "Tint" are only supported in Video mode.

(**) "Signal" is only supported in Analog VGA (RGB) signal.

FixYourDLP.com

THE TRUSTED





Display Mode

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

- Presentation: Good color and brightness from PC input.
- Bright: Maximum brightness from PC input.
- Movie: For home theater.
- sRGB: Standardised accurate color.
- Blackboard: This mode should be selected to achieve optimum color settings when projecting onto a blackboard (green).
- Classroom: This mode is recommended for projecting in a classroom.
- User1: User's settings.
- User2: The initial default settings of this mode is from Movie mode. Any further adjustments by the user in User2 will be saved in this mode for future use.

<u>Brightness</u>

FixYourDLP.com

Adjust the brightness of the image.

▶ Press the do darken image.

SCOUNT-McPress the to lighten the image. 800) 281-8860
THE TRUSTED SOURCE FOR PROJECTOR LAMPS AND ACCESSORIES





Contrast

The contrast controls the degree of difference between the lightest and darkest parts of the picture. Adjusting the contrast changes the amount of black and white in the image.

- ▶ Press the ◀ to decrease the contrast.
- ▶ Press the ▶ to increase the contrast.

Sharpness

Adjust the sharpness of the image.

- ▶ Press the do decrease the sharpness.
- ▶ Press the ▶ to increase the sharpness.

Saturation

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

- ▶ Press the ◀ to decrease the amount of saturation in the image.
- ▶ Press the ▶ to increase the amount of saturation in the image.

<u>Tint</u>

SCOUNT-Adjust the color balance of red and green. 0) 281-8860

THE TRUSTED SOURPress the ∢to increase the amount of green in the image ES

▶ Press the ▶ to increase the amount of red in the image.



IMAGE | Advanced



<u>Degamma</u>

This allows you to choose a degamma table that has been fine-tuned to bring out the best image quality for the input.

- Film: for home theater.
- Video: for video or TV source.
- Graphics: for image source.
- ▶ PC: for PC or computer source.

BrilliantColor™

This adjustable item utilizes a new color-processing algorithm and system level enhancements to enable higher brightness while providing true, more vibrant colors in picture. The range is from "0" to "10". If you prefer a stronger enhanced image, adjust toward the maximum setting. For a smoother, more natural image, adjust toward the minimum setting.

Color Temp

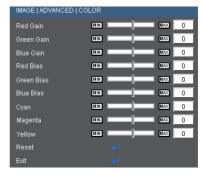
If set to cold temperature, the image looks more blue. (cold image) If set to warm temperature, the image looks more red. (warm image)



Color Space

SCOUNT - Select an appropriate color matrix type from AUTO, RGB or YUV.
THE TRUSTED SOURCE FOR PROJECTOR LAMPS AND ACCESSORIES

Advanced | Color



Color

Use these settings for advanced adjustment of the individual Red, Green, Blue, Cyan, Magenta and Yellow Colors.

Reset

Choose "Yes" to return the factory default settings for color adjustments.

| Advanced | Input Source



Input Source

Use this option to enable / disable input sources. Press \checkmark to enter the sub menu and select which sources you require. Press "Enter" to finalize the selection. The projector will not search for inputs that are not selected.

Discount-Merchant.com (800) 281-8860
THE TRUSTED SOURCE FOR PROJECTOR LAMPS AND ACCESSORIES

FixYourDLP.com





Format

Use this function to choose your desired aspect ratio.

- ▶ 4:3: This format is for 4×3 input sources.
- ▶ 16:9-I: This format is for 16×9 input sources, like HDTV and DVD enhanced for Wide screen TV.
- ▶ 16:9-II: This format is for 16×9 input sources, like HDTV and DVD enhanced for Wide screen TV.
- Native: This format displays the original image without any scaling.
- AUTO: Automatically selects the appropriate display format.

Aspect ratio	Resize image		
(source detected)	SVGA model	XGA model	
4:3	800 x 600 center	1024 x 768 center	
16:9-I	800 x 450 center	1024 x 576 center	
16:9-II	854 x 480 catch 800 x 480 center	854 x 480 center	
Native	1:1 mapping center	1:1 mapping center	



Display area Picture area

Display on Screen

4:3 format

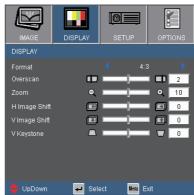
or

16:9-I format

Native format







<u>Overscan</u>

Overscan function removes the noise in a video image. Overscan the image to remove video encoding noise on the edge of video source.

Zoom

- ▶ Press the ◀ to reduce the size of an image.
- ▶ Press the ▶ to magnify an image on the projection screen.

H Image Shift

Shift the projected image position horizontally.

V Image Shift

Shift the projected image position vertically.

V Keystone

Press the ◀ or ▶ to adjust image distortion vertically and makes a rectangular image.

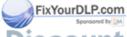


SETUP | Language

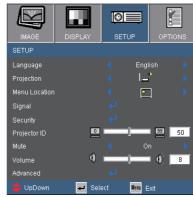


<u>Language</u>

Choose the multilingual OSD menu. Press ◀ or ▶ into the sub menu and then use the ▲ or ▼ key to select your preferred language. Press "Enter" to finalize the selection.









Rear-Desktop and Rear-Ceiling are to be used with a translucent screen.

<u>Projection</u>



Front-Desktop

This is the default selection. The image is projected straight on the screen.

Rear-Desktop

When selected, the image will appear reversed.

Front-Ceiling

When selected, the image will turn upside down.

Rear-Ceiling

When selected, the image will appear reversed in upside down position.

Menu Location

Choose the menu location on the display screen.

Projector ID

ID definition can be set up by menu (range 0~99), and allow user control an individual projector by RS232. Refer to page 48 for the complete list of RS232 commands.



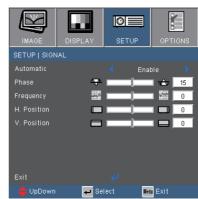
Mute

Choose the "On" to turn mute on.
Choose the "Off" to turn mute off.
RGE FOR PROJECTOR LAWPS AND ACCESSORIES

Volume

- ▶ Press the ◀ to decrease the volume.
- Press the to increase the volume.

SETUP | Signal





"Signal" is only supported in Analog VGA (RGB) signal.

Automatic

Automatically selects the singal. If you use this function, the Phase, frequency items are grayed out, and if Signal is not automatic, the phase, frequency items will appear for user to manually tune and saved in settings after that for next time projector turns off and on again.

<u>Phase</u>

Synchronize the signal timing of the display with the graphic card. If the image appears to be unstable or flickers, use this function to correct it.

Frequency

Change the display data frequency to match the frequency of your computer's graphic card. Use this function only if the image appears to flicker vertically.

H. Position

- ▶ Press the ◀ to move the image left.
- ▶ Press the ▶ to move the image right.



SCOUNT-Meress the sto move the image down. 0) 281-8860

THE TRUSTED SOURPress the Promove the image up. AND ACCESSORIES

FixYourDLP.com

SETUP | Security



Security

- On: Choose "On" to use security verification when the turning on the projector.
- Off: Choose "Off" to be able to switch on the projector without password verification.

Security Timer

Can be select the time (Month/Day/Hour) function to set the number of hours the projector can be used. Once this time has elapsed you will be requested to enter your password again.





SETUP | Security





 Pass-code default value is "1234" (first time).



Change Password

- First time:
 - 1. Press "←" to set the password.
 - 2. The password has to be 4 digits.
 - Use number button on the remote to enter your new password and then press "←" key to confirm your password.
- Change Password:
 - Press "←" to input old password.
 - 2. Use number button to enter current password and then press "←1" to confirm.
 - 3. Enter new password (4 digits in length) using the number buttons on the remote, then press "-" to confirm.
 - 4. Enter new password again and press "←" to confirm.
- If you have forgotten your password, please contact your local office for support.



SETUP | Advanced



Logo

Use this function to set the desired startup screen. If changes are made they will take effect the next time the projector is powered on.

- Optoma: The default startup screen.
- Neutral: No logo is displayed.



OPTIONS



Source Lock

- ▶ On: The projector will search specified connection port.
- Off: The projector will search for other signals if the current input signal is lost.

High Altitude

When "On" is selected, the fans will spin faster. This feature is useful in high altitude areas where the air is thin.

Information Hide

- ▶ On: Choose "On" to hide the "searching" message.
- Off: Choose "Off" to show the "searching" message.

Background Color

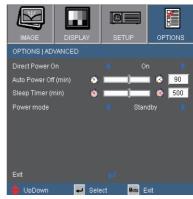
Use this feature to display a "Black", "Red", "Blue", "Green" or "White", screen when no signal is available.

<u>Reset</u>

Choose "Yes" to return the display parameters on all menus to the factory default settings.



OPTIONS | Advanced



Direct Power On

Choose "On" to activate Direct Power mode. The projector will automatically power on when AC power is supplied, without pressing "POWER" button either on the top of the projector or on the remote.

Auto Power Off (min)

Sets the countdown timer interval. The countdown timer will start, when there is no signal being sent to the projector. The projector will automatically power off when the countdown has finished (in minutes).

Sleep Timer (min)

Sets the countdown timer interval. 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 (in minutes).

Power mode

Standby: Choose "Standby" to save power dissipation further
 4 1W.

Active: Choose "Active" to return to normal standby mode and the VGA out port will be enabled.

FixYourDLP.com

This disables VGA

out and RJ45 control when the projector is in standby mode (<1W).

OPTIONS | Lamp Settings



Lamp Hours

Display the projection time.

Lamp Reminder

Choose this function to show or to hide the warning message when the changing lamp message is displayed.

The message will appear 30 hours before suggested replacement of lamp.

Brightness Mode

- STD: Choose "STD" to dim the projector lamp which will lower power consumption and extend the lamp life by up to 130%.
- ▶ BRIGHT: Choose "BRIGHT" to increase the brightness.

Lamp Reset

Reset the lamp hour counter after replacing the lamp.



Appendices

Troubleshooting

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

Image Problems

? No image appears on-screen

- ▶ Ensure all the cables and power connections are correctly and securely connected as described in the "Installation" section.
- ▶ Ensure all the pins of connectors are not bent or broken.
- Check if the projection lamp has been securely installed. Please refer to the "Replacing the lamp" section.
- Ensure that the "AV mute" feature is not turned on.

Partial, scrolling or incorrectly displayed image

- Press "RE-SYNC" on the remote.
- If you are using a PC:

For Windows 95, 98, 2000, XP:

- 1. Open the "My Computer" icon, the "Control Panel" folder, and then double click on the "Display" icon.
- 2. Select the "Settings" tab.
- 3. Verify that your display resolution setting is lower than or equal to UXGA (1600 × 1200).
- 4. Click on the "Advanced Properties" button.



If the projector is still not projecting the whole image, you will also need to change the monitor display you are using. Refer to the following steps.

- 5. Verify the resolution setting is lower than or equal to UXGAS (1600 × 1200).
 - 6. Select the "Change" button under the "Monitor" tab.

- Click on "Show all devices". Next, select "Standard monitor types" under the SP box; choose the resolution mode you need under the "Models" box.
- 8. Verify that the resolution setting of the monitor display is lower than or equal to UXGA (1600 × 1200).
- If you are using a Notebook:
 - First, follow the steps above to adjust resolution of the computer.
 - Press the appropriate keys listed below for your notebook manufacturer to send signal out from notebook to projector. Example: [Fn]+[F4]

Acer ⇒ Asus ⇒ Dell ⇒ Gateway ⇒	[Fn]+[F5]	IBM/Lenovo ⇔	[Fn]+[F7]			
	[Fn]+[F8]	HP/Compaq ⇔	[Fn]+[F4]			
	[Fn]+[F8]	NEC ⇔	[Fn]+[F3]			
	[Fn]+[F4]	Toshiba ⇔	[Fn]+[F5]			
Mac Apple: System Prefedisplay	Mac Apple: System Preference ⇒ Display ⇒ Arrangement ⇒ Mirror					

- If you experience difficulty changing resolutions or your monitor freezes, restart all equipment including the projector.
- **?** The screen of the Notebook or PowerBook computer is not displaying your 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 manual for detailed information.



- ? Image is unstable or flickering
 - ▶ Use "Phase" to correct it. See page 28 for more information.
 - Change the monitor color setting on your computer
- Image has vertical flickering barps AND ACCESSORIES
- Use "Frequency" to make an adjustment. See page 28for more information.
- Check and reconfigure the display mode of your graphic card to make it compatible with the projector.

? Image is out of focus

- Adjust the Focus Ring on the projector lens.
- Make sure the projection screen is between the required distance 3.9 to 39.4 feet (1.2 to 12.0 meters) from the projector. See page 16.

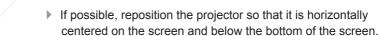
The image is stretched when displaying 16:9 DVD title

- ▶ When you play anamorphic DVD or 16:9 DVD, the projector will show the best image in 16:9 format on projector side.
- ▶ If you play 4:3 format DVD titles, please change the format to 4:3 in the projector OSD.
- If the image is still stretched, you will also need to adjust the aspect ratio by referring to the following:
- ▶ Please setup the display format as 16:9 (wide) aspect ratio type on your DVD player.

? Image is too small or too large

- Adjust the Zoom Ring on the top of the projector.
- Move the projector closer to or further from the screen.
- ▶ Press "MENU" button on the remote control, go to "Display → Format" and try the different settings.

Image has slanted sides



Press "Keystone +/-" button on the remote control until the sides are vertical.



 Use of Keystone is not recommended.

FixYourDLP.com

? Image is reversed

Select "SETUP → Projection" from the OSD and adjust the projection direction.

THE TRUSTED SOURCE FOR PROJECTOR LAMPS AND ACCESSORIES

Other Problems

- The projector stops responding to all controls
- ▶ If possible, turn off the projector, then unplug the power cord and wait at least 60 seconds before reconnecting power.
- ? Lamp burns out or makes a popping sound
 - ▶ When the lamp reaches its end of life, it will burn out and may make a loud popping sound. If this happens, the projector will not turn on until the lamp module has been replaced. To replace the lamp, follow the procedures in the "Replacing the Lamp" section on pages 40-41.

Projector Status Indication

? LED lighting message

Message	Power LED	Power LED
Message	(Red)	(Blue)
Standby State (Input power cord)	*	0
Power on (Warming)	0	Flashing (0.5 sec off, 0.5 sec on)
Lamp lighting	0	<u></u>
Power off (Cooling)	0	Flashing (1 sec off, 1 sec on) <10 sec to off
Error (Over Temp.)	Flashing (1 sec off, 1 sec on)	0
Error (Fan fail)	Flashing (0.5 sec off, 2.0 sec on)	0,



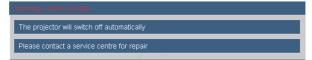
Flashing (800) 281-886 (

? On Screen Messages

Temperature warning:



Fan failed:



Lamp warning:

FixYourDLP.com



Out of display range:



Remote Control Problems

- [7] If the remote control does not work
 - Check the operating angle of the remote control is within ±15° both horizontally and vertically of one of the IR receivers on the projector.
 - Make sure there are not any obstructions between the remote control and the projector. Move to within 7 m (±0°) of the projector.
 - Make sure the batteries are inserted correctly.
- THE TRUSTED SOURCE FOR PROJECTOR LAMPS AND ACCESSORIES

Replacing the lamp

The projector automatically detects the lamp life. When the lamp life is nearing the end of use, you will receive a warning message.



When you see this message, please contact your local reseller or service center to change the lamp as soon as possible. Make sure the projector has been cooled down for at least 30 minutes before changing the lamp.



Warning: If ceiling mounted, please use caution when opening the lamp access panel. It is recommended to wear safety glasses if changing the bulb when ceiling mounted. "Caution must be used to prevent any loose parts from falling out of projector."

Warning: Lamp compartment may be hot! Allow it to cool down before changing the lamp!

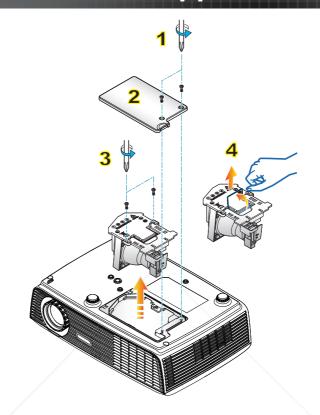
Warning: To reduce the risk of personal injury, do not drop the lamp module or touch the lamp bulb. The bulb may shatter and cause injury if it is dropped.

ixYourDLP.com

THE TRUSTER



- The screws on the lamp cover and the lamp cannot be removed.
- The projector cannot be turned on if the lamp cover has not been placed back on the projector.
- Do not touch the glass area of the lamp. Hand oil can cause the lamp to shatter. Use a dry cloth to clean the lamp module if it was accidentally touched



Lamp Replacement Procedure: o—

- 1. Switch off the power to the projector by pressing the "POWER" button.
- 2. Allow the projector to cool down for at least 30 minutes.
- 3. Disconnect the power cord.
- 4. Unscrew the two screws on the cover. 1
- 5. Lift up and remove the cover. 2
- 6. Unscrew the two screws on the lamp module. 3
- Yo 7r bift up the lamp handle and remove the lamp module slowly and carefully. 4

 To replace the lamp module, reverse the previous steps.
 - Turn on the projector and use "Lamp Reset" after the lamp module is replaced.
 - Lamp Reset: (i) Press "MENU" → (ii) Select "OPTIONS" → (iii) Select "Lamp Settings" → (iv) Select "Lamp Reset" → (v) Select "Yes".

Compatibility Modes

Computer Compatibility

Mode	Resolution	V-Sync (Hz)	H-Sync (KHz)
VGA	640 × 480	60	31.50
VGA	640 × 480	72	37.90
VGA	640 × 480	75	37.50
VGA	640 × 480	85	43.30
VGA	720 × 400	70	31.50
VGA	720 × 400	85	37.90
SVGA	800 × 600	56	35.20
SVGA	800 × 600	60	37.90
SVGA	800 × 600	72	48.10
SVGA	800 × 600	75	46.90
SVGA	800 × 600	85	53.70
XGA	1024 × 768	60	48.40
XGA	1024 × 768	70	56.50
XGA	1024 × 768	75	60.00
XGA	1024 × 768	85	68.70
WXGA	1280 × 768	60	47.40
WXGA	1280 × 768	75	60.30
WXGA	1280 × 800	60	49.70
SXGA	1280 × 1024	60	63.98
SXGA	1280 × 1024	75	79.98
SXGA	1280 × 1024	85	91.10
SXGA+	1400 × 1050	60	63.98
UXGA	1600 × 1200	60	75.00







dependent on 1 – MCTChant. Com (800) 281–8860
Notebook/PC models.

Notebook/PC models.

Computer Compatibility

Mode	Resolution	V-Sync (Hz)	H-Sync (KHz)
MAC LC 13"	640 × 480	66.66	34.98
MAC II 13"	640 × 480	66.68	35.00
MAC 16"	832 × 624	74.55	49.73
MAC 19"	1024 × 768	75	60.24
MAC	1152 × 870	75.06	68.68
MAC G4	640 × 480	60	31.35
i MAC DV	1024 × 768	75	60.00
i MAC DV	1152 × 870	75	68.49
i MAC DV	1280 × 960	75	75.00

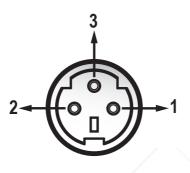
Video Compatibility

NTSC	NTSC M/J, 3.58MHz, 4.43 MHz	
PAL	B/D/G/H/I/M/N, 4.43 MHz	
SECAM	B/D/G/K/K1/L, 4.25/4.4 MHz	
SDTV	480i/p, 576i/p	
HDTV	720p(50/60Hz), 1080i(50/60Hz), 1080p(24/50/60Hz)	

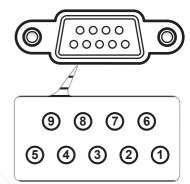


RS232 Commands

RS232 Pin Assignments



Pin no.	Name	I/O (From Projector Side)
1	TXD	OUT
2	RXD	IN
3	GND	GND



Pin no.	Spec.
1	N/A
2	RXD
3	TXD
4	N/A
5	GND
6	N/A
7	N/A
8	N/A
9	N/A



Discount-Merchant.com (800) 281-8860
THE TRUSTED SOURCE FOR PROJECTOR LAMPS AND ACCESSORIES

RS232 Protocol Function List

RS232 Commands

Baud Rate: 9600 Data Bits: 8 Parity: None Stop Bits: 1 Flow Control: None UART16550 FIFO: Disable Projector Return (Pass): P Projector Return (Fail): F

XX=00-99, projector's ID, XX=00 is for all projectors



There is a <CR> after all ASCII commands.
 OD is the HEX code for <CR> in ASCII code.

232 ASCII Code	HEX Code	Function		Description
~XX00 1	7E 30 30 30 30 20 31 0D	Power ON		
~XX00 0 ~XX00 1 ~nnnn	7E 30 30 30 30 20 31 20 a 0D	7E 30 30 30 30 20 30 0D Power ON with Password		Power OFF (0/2 for backward compatibl ~nnnn = ~0000 (a=7E 30 30 30 30) ~9999 (a=7E 39 39 39 39)
~XX01 1	7E 30 30 30 31 20 31 0D	Resync		
~XX02 1	7E 30 30 30 32 20 31 0D	AV Mute	On	
~XX02 0	7E 30 30 30 32 20 31 0D	A v Muic	Off (0/2 for backward compatible)	
~XX02 0	7E 30 30 30 32 20 30 0D	Mute	On	
~XX03 0	7E 30 30 30 33 20 31 0D	ivitite	Off (0/2 for backward compatible)	
~XX04 1	7E 30 30 30 34 20 31 0D	Freeze	Off (0/2 for backward companion)	
~XX04 0	7E 30 30 30 34 20 30 0D	Unfreeze	(0/2 for backward compatible)	
~XX05 1	7E 30 30 30 35 20 31 0D	Zoom Plus	(0/2 for ouckward companions)	
~XX06 1	7E 30 30 30 36 20 31 0D	Zoom Minus		
~XX12 5	7E 30 30 31 32 20 35 0D	Zoom minus	VGA 1	
~XX12 7	7E 30 30 31 32 20 37 0D		VGA 1 SCART	
~XX12 8	7E 30 30 31 32 20 37 0D		VGA 1 SCARCI VGA 1 Component	
~XX12 9	7E 30 30 31 32 20 39 0D		S-Video	
~XX12 10	7E 30 30 31 32 20 31 30 0D		Video	
~XX20 1	7E 30 30 32 30 20 31 0D	Display Mode	Presentation	
~XX20 2	7E 30 30 32 30 20 32 0D		Bright	
~XX20 3	7E 30 30 32 30 20 33 0D		Movie	
~XX20 4	7E 30 30 32 30 20 34 0D		sRGB	
~XX20 5	7E 30 30 32 30 20 35 0D		User1	
~XX20 6	7E 30 30 32 30 20 36 0D		User2	
~XX20 7	7E 30 30 32 30 20 37 0D		Blackboard	
~XX20 8	7E 30 30 32 30 20 38 0D		Classroom	
~XX21 n	7E 30 30 32 31 20 a 0D	Brightness		n = 0 (a=30) ~ 100 (a=31 30 30)
~XX22 n	7E 30 30 32 32 20 a 0D	Contrast		$n = 0 \ (a=30) \sim 100 \ (a=31\ 30\ 30)$
~XX23 n	7E 30 30 32 33 20 a 0D	Sharpness		$n = 0 \ (a=30) \sim 31 \ (a=33\ 31)$
~XX24 n	7E 30 30 32 34 20 a 0D	Color Settings	Red Gain	n = -50 (a=2D 35 30) ~ 50 (a=35 30)
~XX25 n	7E 30 30 32 35 20 a 0D		Green Gain	n = -50 (a=2D 35 30) ~ 50 (a=35 30)
~XX26 n	7E 30 30 32 36 20 a 0D		Blue Gain	n = -50 (a=2D 35 30) ~ 50 (a=35 30)
~XX27 n	7E 30 30 32 37 20 a 0D		Red Bias	n = -50 (a=2D 35 30) ~ 50 (a=35 30)
~XX28 n	7E 30 30 32 38 20 a 0D		Green Bias	n = -50 (a=2D 35 30) ~ 50 (a=35 30)
~XX29 n	7E 30 30 32 39 20 a 0D		Blue Bias	n = -50 (a=2D 35 30) ~ 50 (a=35 30)
~XX30 n	7E 30 30 33 30 20 a 0D		Cyan	n = -50 (a=2D 35 30) ~ 50 (a=35 30)
~XX31 n	7E 30 30 33 31 20 a 0D		Yellow	n = -50 (a=2D 35 30) ~ 50 (a=35 30)
~XX32 n	7E 30 30 33 32 20 a 0D		Magenta	n = -50 (a=2D 35 30) ~ 50 (a=35 30)
~XX33 1	7E 30 30 33 33 20 31 0D		Reset	1150 (a-2D 55 50) 50 (a-55 50)
~XX34 n	7E 30 30 33 34 20 a 0D	BrilliantColorTM		n = 0 (a=30) ~ 10 (a=31 30)
~XX35 1	7E 30 30 33 35 20 31 0D	Degamma	Film	n (a 30) 10 (a 3130)
~XX35 2	7E 30 30 33 35 20 32 0D	Degamma	Video	
~XX35 3	7E 30 30 33 35 20 33 0D		Graphics	
~XX35 4	7E 30 30 33 35 20 34 0D		PC	
~XX36 1	7E 30 30 33 36 20 31 0D	Color Temp.	Warm	
#XN96.2	7E 30 30 33 36 20 32 0D	color rump.	Medium	
LP Com	7E 30 30 33 36 20 33 0D		Cold	
xXX37dlby DM	7E 30 30 33 37 20 31 0D	Color Space	Auto	
~XX37 2	7E 30 30 33 37 20 32 0D	Color Space	RGB	
~XX373	7E 30 30 33 37 20 33 0D		YUV	004 0040
HINT.		ant c	om (xnn	1 9x1-xxa()
~XX45 n	7E 30 30 34 34 20 a 0D	Color (Saturation)		n = 0 (a=30) ~ 100 (a=31 30 30)
~XX44 n	7E 30 30 34 35 20 a 0D	Tint		n = 0 (a=30) ~ 100 (a=31 30 30)
USTED	COURCE SO	R PROIFCT	dr i amde amb	ACCESSORIES
~XX60 1	7E 30 30 36 30 20 31 0D	Format		WASTRALLIER.
~XX60 2	7E 30 30 36 30 20 32 0D		16:9-1	
~XX60 3	7E 30 30 36 30 20 33 0D		16:9-11	
~XX60 6	7E 30 30 36 30 20 36 0D		Native	
~XX60 7	7E 30 30 36 30 20 37 0D		Auto	
~XX61 n	7E 30 30 36 31 20 a 0D	Overscan		n = 0 (a=30) ~ 3 (a=33)
~XX62 n	7E 30 30 36 32 20 a 0D	Zoom		n = -5 (a=2D 35) ~ 25 (a=32 35)
	7E 30 30 36 33 20 a 0D	H Image Shift		n = -50 (a=2D 35 30) ~ +50 (a=35 30)
~AA03 II				
~XX63 n ~XX64 n ~XX66 n	7E 30 30 36 34 20 a 0D 7E 30 30 36 36 20 a 0D	V Image Shift V Keystone		n = -50 (a=2D 35 30) ~ +50 (a=35 30) n = -40 (a=2D 34 30) ~ 40 (a=34 30)

232 ASCII Code	HEX Code	Function			Description
					Description
~XX70 1	7E 30 30 37 30 20 31 0D	Language	English		
-XX70 2	7E 30 30 37 30 20 32 0D		German		
-XX70 3	7E 30 30 37 30 20 33 0D		French		
-XX70 4	7E 30 30 37 30 20 34 0D		Italian		
-XX70 5	7E 30 30 37 30 20 35 0D		Spanish		
-XX70 6	7E 30 30 37 30 20 36 0D		Portuguese		
-XX70 7	7E 30 30 37 30 20 37 0D		Polish		
-XX70 8	7E 30 30 37 30 20 38 0D		Dutch		
-XX70 9	7E 30 30 37 30 20 39 0D		Swedish		
-XX70 10	7E 30 30 37 30 20 31 30 0D		Norwegian/Danish		
-XX70 11	7E 30 30 37 30 20 31 31 0D		Finnish		
-XX70 12	7E 30 30 37 30 20 31 32 0D		Greek		
-XX70 13	7E 30 30 37 30 20 31 33 0D		Traditional Chinese		
-XX70 14	7E 30 30 37 30 20 31 34 0D		Simplified Chinese		
-XX70 15	7E 30 30 37 30 20 31 35 0D		Japanese		
-XX70 16	7E 30 30 37 30 20 31 36 0D		Korean		
-XX70 17	7E 30 30 37 30 20 31 37 0D		Russian		
-XX70 17	7E 30 30 37 30 20 31 37 0D		Hungarian		
-XX70 18 -XX70 19	7E 30 30 37 30 20 31 38 0D		Czechoslovak		
	7E 30 30 37 30 20 31 39 0D				
~XX70 20	7E 30 30 37 30 20 32 30 0D		Arabic		
-XX70 21	7E 30 30 37 30 20 32 31 0D		Thai		
~XX70 22	7E 30 30 37 30 20 32 32 0D		Turkish		
22221	TE 20 20 27 21 20 21 0D	n : .:	P . P 1.		
~XX71 1	7E 30 30 37 31 20 31 0D	Projection	Front-Desktop		
~XX71 2	7E 30 30 37 31 20 32 0D		Rear-Desktop		
-XX71 3	7E 30 30 37 31 20 33 0D		Front-Ceiling		
-XX71 4	7E 30 30 37 31 20 34 0D		Rear-Ceiling		
~XX72 1	7E 30 30 37 32 20 31 0D	Menu Location	Top Left		
-XX72 2	7E 30 30 37 32 20 32 0D		Top Right		
~XX72 3	7E 30 30 37 32 20 33 0D		Centre		
-XX72 4	7E 30 30 37 32 20 34 0D		Bottom Left		
-XX72 5	7E 30 30 37 32 20 35 0D		Bottom Right		
-XX73 n	7E 30 30 37 33 20 a 0D	Signal	Frequency		n = -5 (a=2D 35) ~ 5 (a=35) By signa
-XX91 n	7E 30 30 39 31 20 a 0D	· ·	Automatic		n = 0 disable; n = 1 enable
-XX74 n	7E 30 30 37 34 20 a 0D		Phase		n = 0 (a=30) ~ 31 (a=33 31) By signa
-XX75 n	7E 30 30 37 34 20 a 0D		H. Position		n = -5 (a=2D 35) ~ 5 (a=35) By signal $n = -5$ (a=2D 35) ~ 5 (a=35)
~XX76 n	7E 30 30 37 35 20 a 0D		V. Position		n = -5 (a=2D 35) ~ 5 (a=35) By timin n = -5 (a=2D 35) ~ 5 (a=35) By timin
~AA/0 II	7E 30 30 37 30 20 a 0D		v. rosition		II = -5 (a=2D 55) ~ 5 (a=55) By tilliii
-XX77 n	7E 30 30 37 37 20 aabbee 0D	Security	Security Timer	Month/Day/Hour	n = mm/dd/hh mm= 00 (aa=30 30) ~ 12 (aa=31 32) dd = 00 (bb=30 30) ~ 30 (bb=33 30) hb= 00 (ca=20 20) ~ 24 (ca=23 24)
~XX78 1	7E 30 30 37 38 20 31 0D		Security Settings	Enable	hh= 00 (cc=30 30) ~ 24 (cc=32 34)
-XX78 0	7E 30 30 37 38 20 31 0D		Security Settings	Disable(0/2 for backwa	ard compatible)
~XX79 n	7E 30 30 37 39 20 a 0D	Projector ID			n = 00 (a=30 30) ~ 99 (a=39 39)
~XX80 1	7E 30 30 38 30 20 31 0D	Mute	On		
-XX80 0	7E 30 30 38 30 20 31 0D	witte	Off (0/2 for backward c	omnotible)	
		Volume	OII (0/2 IOI Dackward C	ompatible)	0(20) 10(21 20)
~XX81 n	7E 30 30 38 31 20 a 0D	volume			n = 0 (a=30) ~ 10 (a=31 30)
-XX82 1	7E 30 30 38 32 20 31 0D	Logo	Optoma		
-XX82 3	7E 30 30 38 32 20 31 0D	Logo	Netural		
-XX100 1	7E 30 30 31 30 30 20 31 0D	Source Lock	On		
-XX100 0	7E 30 30 31 30 30 20 30 0D		Off (0/2 for backward c	ompatible)	
-XX100 3	7E 30 30 31 30 30 20 33 0D	Next Source	(= ouckwald c		
-XX100 3	7E 30 30 31 30 30 20 33 0D	High Altitude	On		
	7E 30 30 31 30 31 20 31 0D	g	Off (0/2 for backward c	omnatible)	
		Information III.4		отраноте)	
		Information Hide	On		
-XX102 1	7E 30 30 31 30 32 20 31 0D				
-XX102 1 -XX102 0	7E 30 30 31 30 32 20 30 0D		Off (0/2 for backward c	ompatible)	
-XX102 1 -XX102 0 -XX103 1	7E 30 30 31 30 32 20 30 0D 7E 30 30 31 30 33 20 31 0D	Keypad Lock	On	• /	
-XX102 1 -XX102 0 -XX103 1	7E 30 30 31 30 32 20 30 0D			• /	
-XX102 1 -XX102 0 -XX103 1 -XX103 0	7E 30 30 31 30 32 20 30 0D 7E 30 30 31 30 33 20 31 0D 7E 30 30 31 30 33 20 30 0D	Keypad Lock	On Off (0/2 for backward c	• /	
-XX102 1 -XX102 0 -XX103 1 -XX103 0 -XX104 1	7E 30 30 31 30 32 20 30 0D 7E 30 30 31 30 33 20 31 0D 7E 30 30 31 30 33 20 30 0D 7E 30 30 31 30 34 20 31 0D		On Off (0/2 for backward of Blue	• /	
-XX102 1 -XX102 0 -XX103 1 -XX103 0 	7E 30 30 31 30 32 20 30 0D 7E 30 30 31 30 33 20 31 0D 7E 30 30 31 30 33 20 30 0D 7E 30 30 31 30 34 20 31 0D 7E 30 30 31 30 34 20 31 0D 7E 30 30 31 30 34 20 32 0D	Keypad Lock	On Off (0/2 for backward c	• /	
XX102 1 XX102 0 XX103 1 XX103 0 XX104 1 XX104 2 XX104 3	7E 30 30 31 30 32 20 30 0D 7E 30 30 31 30 33 20 31 0D 7E 30 30 31 30 33 20 30 0D 7E 30 30 31 30 34 20 31 0D 7E 30 30 31 30 34 20 31 0D 7E 30 30 31 30 34 20 32 0D 7E 30 30 31 30 34 20 33 0D	Keypad Lock	On Off (0/2 for backward c Blue Black Red	• /	
XX102 1 XX102 0 XX103 1 XX103 0 XX104 1 XX104 2 XX104 3	7E 30 30 31 30 32 20 30 0D 7E 30 30 31 30 33 20 31 0D 7E 30 30 31 30 33 20 30 0D 7E 30 30 31 30 34 20 31 0D 7E 30 30 31 30 34 20 32 0D 7E 30 30 31 30 34 20 33 0D 7E 30 30 31 30 34 20 34 0D	Keypad Lock	On Off (0/2 for backward c Blue Black Red Green	• /	
XX102 1 XX102 0 XX103 1 XX103 0 XX104 1 XX104 2 XX104 3	7E 30 30 31 30 32 20 30 0D 7E 30 30 31 30 33 20 31 0D 7E 30 30 31 30 33 20 30 0D 7E 30 30 31 30 34 20 31 0D 7E 30 30 31 30 34 20 31 0D 7E 30 30 31 30 34 20 32 0D 7E 30 30 31 30 34 20 33 0D	Keypad Lock	On Off (0/2 for backward c Blue Black Red	• /	
-XX102 1 -XX102 0 -XX103 1 -XX103 0 -XX104 1 -XX104 2 -XX104 3 -XX104 4 -XX104 4	7E 30 30 31 30 32 20 30 0D 7E 30 30 31 30 33 20 31 0D 7E 30 30 31 30 33 20 30 0D 7E 30 30 31 30 34 20 31 0D 7E 30 30 31 30 34 20 32 0D 7E 30 30 31 30 34 20 33 0D 7E 30 30 31 30 34 20 34 0D	Keypad Lock	On Off (0/2 for backward c Blue Black Red Green	• /	
-XX102 1 -XX102 0 -XX103 1 -XX103 0 -XX104 1 -XX104 2 -XX104 3 -XX104 4 -XX 64	TE 30 30 31 30 32 20 30 0D TE 30 30 31 30 33 20 31 0D TE 30 30 31 30 33 20 30 0D TE 30 30 31 30 34 20 31 0D TE 30 30 31 30 34 20 32 0D TE 30 30 31 30 34 20 32 0D TE 30 30 31 30 34 20 35 0D TE 30 30 31 30 34 20 35 0D	Keypad Lock Background Color	On Off (0/2 for backward c Blue Black Red Green White	• /	
-XX102 1 -XX102 0 -XX103 1 -XX103 0 -XX104 1 -XX104 2 -XX104 3 -XX104 4 -XX104 4 -XX105 1	TE 50 30 31 30 32 20 30 0D TE 30 30 31 30 33 20 31 0D TE 30 30 31 30 33 20 31 0D TE 30 30 31 30 34 20 31 0D TE 30 30 31 30 34 20 31 0D TE 30 30 31 30 34 20 32 0D TE 30 30 31 30 34 20 33 0D TE 30 30 31 30 34 20 33 0D TE 30 30 31 30 34 20 35 0D TE 30 30 31 30 34 20 35 0D	Keypad Lock	On Off (0/2 for backward c Blue Black Red Green	ompatible)	
-XX101 0 -XX102 1 -XX102 0 -XX103 1 -XX103 0 -XX104 1 -XX104 2 -XX104 2 -XX104 4 -XX104 5 -XX105 1 -XX105 1 -XX105 1	TE 50 30 31 30 32 20 30 0D TE 30 30 31 30 33 20 31 0D TE 30 30 31 30 33 20 31 0D TE 30 30 31 30 34 20 31 0D TE 30 30 31 30 34 20 32 0D TE 30 30 31 30 34 20 32 0D TE 30 30 31 30 34 20 32 0D TE 30 30 31 30 34 20 34 0D TE 30 30 31 30 34 20 34 0D TE 30 30 31 30 34 20 35 0D TE 50 30 31 30 35 20 31 0D TE 50 30 31 30 35 20 31 0D TE 30 30 31 30 35 20 31 0D	Keypad Lock Background Color	On Off (0/2 for backward c Blue Black Red Green White	ompatible)	compatible)
-XX102 1 -XX102 0 -XX103 1 -XX103 0 -XX104 1 -XX104 2 -XX104 3 -XX104 4 -XX104 4 -XX105 0	TE 50 30 31 30 32 20 30 0D TE 30 30 31 30 33 20 31 0D TE 30 30 31 30 33 20 31 0D TE 30 30 31 30 34 20 31 0D TE 30 30 31 30 34 20 32 0D TE 30 30 31 30 34 20 32 0D TE 30 30 31 30 34 20 32 0D TE 30 30 31 30 34 20 34 0D TE 30 30 31 30 34 20 34 0D TE 30 30 31 30 34 20 35 0D TE 50 30 31 30 35 20 31 0D TE 50 30 31 30 35 20 31 0D TE 30 30 31 30 35 20 31 0D	Keypad Lock Background Color	On Off (0/2 for backward control of the control of	• /	compatible) n = 0 (n = 30) = 180 (n = 31 58 20) e oor
-XX102 1 -XX102 0 -XX103 1 -XX103 1 -XX103 0 -XX104 1 -XX104 2 -XX104 3 -XX104 4 -XX104 5 -XX105 1 -XX105 0 -XX105 0	TE 50 30 31 30 32 20 30 0D TE 30 30 31 30 33 20 31 0D TE 30 30 31 30 33 20 31 0D TE 30 30 31 30 34 20 31 0D TE 30 30 31 30 34 20 31 0D TE 30 30 31 30 34 20 33 0D TE 30 30 31 30 34 20 35 0D TE 30 30 31 30 34 20 35 0D TE 30 30 31 30 34 20 35 0D TE 30 30 31 30 34 20 35 0D TE 30 30 31 30 34 20 35 0D TE 30 30 31 30 34 20 35 0D TE 50 30 31 30 35 20 31 0D TE 50 30 31 30 35 20 31 0D TE 50 30 31 30 56 20 30 0D	Keypad Lock Background Color	On Off (0/2 for backward of Blue Black Red Green White Direct Power On Auto Power Off (min)	ompatible)	compatible) $m = 0$ ($m = 3$) 8.30) + [80 ($m = 3$) 8.30) step $m = 0$ ($m = 3$) 0 - 995 ($m = 3$) 30 step
-XX102 1 -XX102 0 -XX103 1 -XX103 1 -XX103 0 -XX104 1 -XX104 2 -XX104 3 -XX104 3 -XX104 4 -XX105 0 -XX105 0 -XX106 n -XX106 n	TE 50 30 31 30 32 03 00 DT TE 30 30 31 30 32 03 10 DT TE 30 30 31 30 32 03 10 DT TE 30 30 31 30 32 03 00 DT TE 30 30 31 30 34 20 31 0D TE 30 30 31 30 34 20 33 0D TE 30 30 31 30 34 20 33 0D TE 30 30 31 30 34 20 33 0D TE 30 30 31 30 34 20 33 0D TE 30 30 31 30 34 20 35 0D TE 30 30 31 30 34 20 35 0D TE 30 30 31 30 34 20 35 0D TE 30 30 31 30 35 20 31 0D TE 30 30 31 30 35 20 30 0D TE 30 30 31 30 35 20 30 0D TE 30 30 31 30 37 20 a 0D TE 30 30 31 30 37 20 a 0D TE 30 30 31 30 72 0 a 0D	Keypad Lock Background Color	On Off (0/2 for backward of Blue Black Red Green White Direct Power On Auto Power Off (min) Steep Timer (min)	On Off (0 2 for backward	compatible) m = 0 ($a = 30$) + 180 ($a = 31$ 58, 30) step n = 0 ($a = 30$) ~ 995 ($a = 39$ 39 39) step
-XX102 1 -XX102 0 -XX103 1 -XX103 0 -XX104 1 -XX104 2 -XX104 3 -XX104 4 -XX P COPPLET -XX105 1 -XX106 n -XX107 n -XX114 1	TE 50 30 31 30 32 20 30 0D TE 30 30 31 30 33 20 31 0D TE 30 30 31 30 33 20 31 0D TE 30 30 31 30 33 20 31 0D TE 30 30 31 30 34 20 31 0D TE 30 30 31 30 34 20 33 0D TE 30 30 31 30 34 20 35 0D TE 30 30 31 30 34 20 35 0D TE 30 30 31 30 34 20 35 0D TE 30 30 31 30 34 20 35 0D TE 30 30 31 30 34 20 35 0D TE 30 30 31 30 35 20 31 0D TE 30 30 31 30 35 20 31 0D TE 30 30 31 30 5 20 30 0D TE 30 30 31 30 5 20 30 0D TE 30 30 31 30 5 20 30 0D TE 30 30 31 30 35 20 30 0D TE 30 30 31 30 35 20 30 0D TE 30 30 31 30 36 20 a0 D TE 30 30 31 30 36 20 a0 D TE 30 30 31 30 34 20 34 0D	Keypad Lock Background Color	On Off (0/2 for backward of Blue Black Red Green White Direct Power On Auto Power Off (min)	On Off (6.2 for backward	n = 0 (a=30) ~ 180 (a=31 38 30) step n = 0 (a=30) ~ 995 (a=39 39 39) step
XX102 1 XX102 0 XX103 1 XX103 0 XX104 1 XX104 2 XX104 3 XX104 4 XX105 0 XX106 n XX106 n	TE 50 30 31 30 32 03 00 DT TE 30 30 31 30 32 03 10 DT TE 30 30 31 30 32 03 10 DT TE 30 30 31 30 32 03 00 DT TE 30 30 31 30 34 20 31 0D TE 30 30 31 30 34 20 33 0D TE 30 30 31 30 34 20 33 0D TE 30 30 31 30 34 20 33 0D TE 30 30 31 30 34 20 33 0D TE 30 30 31 30 34 20 35 0D TE 30 30 31 30 34 20 35 0D TE 30 30 31 30 34 20 35 0D TE 30 30 31 30 35 20 31 0D TE 30 30 31 30 35 20 30 0D TE 30 30 31 30 35 20 30 0D TE 30 30 31 30 37 20 a 0D TE 30 30 31 30 37 20 a 0D TE 30 30 31 30 72 0 a 0D	Keypad Lock Background Color	On Off (0/2 for backward of Blue Black Red Green White Direct Power On Auto Power Off (min) Steep Timer (min)	On Off (0 2 for backward	n = 0 (a=30) ~ 180 (a=31 38 30) step n = 0 (a=30) ~ 995 (a=39 39 39) step
XX102 1 XX102 0 XX103 1 XX103 0 XX104 1 XX104 2 XX104 2 XX104 3 XX104 4 XX P4 CO	TE 50 30 31 30 32 20 30 0D TE 30 30 31 30 33 20 31 0D TE 30 30 31 30 33 20 31 0D TE 30 30 31 30 33 20 31 0D TE 30 30 31 30 34 20 31 0D TE 30 30 31 30 34 20 33 0D TE 30 30 31 30 34 20 35 0D TE 30 30 31 30 34 20 35 0D TE 30 30 31 30 34 20 35 0D TE 30 30 31 30 34 20 35 0D TE 30 30 31 30 34 20 35 0D TE 30 30 31 30 35 20 31 0D TE 30 30 31 30 35 20 31 0D TE 30 30 31 30 50 20 3D TE 30 30 31 30 50 20 3D TE 30 30 31 30 50 20 3D TE 30 30 31 30 35 20 30 0D TE 30 30 31 31 34 20 35 0D TE 30 30 31 31 34 20 35 0D	Keypad Lock Background Color	On Off (0/2 for backward of 0ff (0/2 for backward off	On Off (6.2 for backward	n = 0 (a=30) ~ 180 (a=31 38 30) step n = 0 (a=30) ~ 995 (a=39 39 39) step
XX102 1 XX102 0 XX103 1 XX103 0 XX104 1 XX104 2 XX104 3 XX104 4 XX105 1 XX105 0 XX105 1 XX105 0 XX106 n XX107 n XX114 1 XX110 1	TE 30 30 31 30 32 20 30 0D TE 30 30 31 30 33 20 31 0D TE 30 30 31 30 33 20 30 0D TE 30 30 31 30 34 20 31 0D TE 30 30 31 30 34 20 31 0D TE 30 30 31 30 34 20 33 0D TE 30 30 31 30 34 20 34 0D TE 30 30 31 30 34 20 34 0D TE 30 30 31 30 34 20 34 0D TE 30 30 31 30 35 20 31 0D TE 30 30 31 30 35 20 31 0D TE 30 30 31 30 35 20 30 0D TE 30 30 31 30 35 20 30 0D TE 30 30 31 30 37 20 30 0D TE 30 30 31 31 34 20 35 0D TE 30 30 31 31 34 20 35 0D TE 30 30 31 31 34 20 35 0D TE 30 30 31 31 34 20 35 0D	Keypad Lock Background Color	On Off (0/2 for backward of Blue Black Red Green White Direct Power On Auto Power Off (min) Steep Timer (min)	On Off (0.2 for backward off (0.5 for backward of for backward	n = 0 (a=30) ~ 180 (a=31 38 30) step n = 0 (a=30) ~ 995 (a=39 39 39 39) step compatible) SO RIFS
XX102 1 XX102 0 XX103 1 XX103 0 XX104 1 XX104 2 XX104 2 XX104 4 XX105 1 XX105 1 XX105 0 XX106 n XX107 n XX114 1 XX117 n	TE 50 30 31 30 32 20 30 0D TE 30 30 31 30 32 02 31 0D TE 30 30 31 30 33 20 31 0D TE 30 30 31 30 34 20 31 0D TE 30 30 31 30 34 20 31 0D TE 30 30 31 30 34 20 32 0D TE 30 30 31 30 34 20 35 0D TE 30 30 31 30 34 20 35 0D TE 30 30 31 30 34 20 35 0D TE 30 30 31 30 34 20 35 0D TE 30 30 31 30 34 20 35 0D TE 30 30 31 30 34 20 35 0D TE 30 30 31 30 35 20 31 0D TE 30 30 31 30 52 20 30 0D TE 30 30 31 30 52 20 30 0D TE 30 30 31 30 37 20 0D TE 30 30 31 30 37 20 0D TE 30 30 31 30 37 20 30 0D TE 30 30 31 30 39 20 31 0D TE 30 30 31 30 39 20 31 0D TE 30 30 31 30 39 20 31 0D	Keypad Lock Background Color	On Off (0/2 for backward of 0ff (0/2 for backward off	On Off (0/2 for backward	n = 0 (a=30) ~ 180 (a=31 38.30) step n = 0 (a=30) ~ 995 (a=39 39 39) step compatible) SO RIFS
XX102 1 XX103 1 XX103 1 XX103 0 XX104 1 XX104 2 XX104 2 XX104 3 XX104 1 XX105 0 XX107 n XX107 n XX107 n XX109 1 XX109 0 XX109 1 XX109 1	TE 30 30 31 30 32 02 30 0D) TE 30 30 31 30 33 20 31 0D) TE 30 30 31 30 33 20 31 0D) TE 30 30 31 30 34 20 31 0D) TE 30 30 31 30 34 20 32 0D) TE 30 30 31 30 34 20 32 0D) TE 30 30 31 30 34 20 32 0D) TE 30 30 31 30 34 20 35 0D) TE 30 30 31 30 34 20 35 0D) TE 30 30 31 30 34 20 35 0D) TE 30 30 31 30 34 20 35 0D) TE 30 30 31 30 35 20 31 0D) TE 30 30 31 30 35 20 30 0D) TE 30 30 31 30 37 20 30 0D) TE 30 30 31 30 39 20 31 0D) TE 30 30 31 30 39 20 31 0D) TE 30 30 31 30 39 20 31 0D) TE 30 30 31 30 39 20 31 0D) TE 30 30 31 30 39 20 31 0D) TE 30 30 31 30 39 20 31 0D) TE 30 30 31 30 39 20 31 0D) TE 30 30 31 30 39 20 31 0D)	Keypad Lock Background Color	On Off (0/2 for backward of 0ff (0/2 for backward off	On Off (0.2 for backward off (0.2 for backward bright bright)	n = 0 (a=30) ~ 180 (a=31 38.30) step n = 0 (a=30) ~ 995 (a=39 39 39) step compatible) \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$
XX102 1 XX102 0 XX103 1 XX103 1 XX104 1 XX104 1 XX104 2 XX104 3 XX104 3 XX104 1 XX105 0 XX105 1 XX105 0 XX106 1 XX105 0 XX107 0 XX107 0 XX107 0 XX107 0 XX109 1 XX109 0 XX101 0 XX109 0 XX101 0	TE 50 30 31 30 32 20 30 0D TE 30 30 31 30 33 20 31 0D TE 30 30 31 30 33 20 31 0D TE 30 30 31 30 34 20 31 0D TE 30 30 31 30 34 20 32 0D TE 30 30 31 30 34 20 33 0D TE 30 30 31 30 34 20 35 0D TE 30 30 31 30 34 20 35 0D TE 30 30 31 30 34 20 35 0D TE 30 30 31 30 34 20 35 0D TE 30 30 31 30 34 20 35 0D TE 30 30 31 30 34 20 35 0D TE 30 30 31 30 35 20 31 0D TE 30 30 31 30 52 0 30 0D TE 30 30 31 30 52 0 30 0D TE 30 30 31 30 52 0 30 0D TE 30 30 31 30 35 20 31 0D TE 30 30 31 30 35 20 31 0D TE 30 30 31 30 39 20 31 0D TE 30 30 31 30 39 20 31 0D TE 30 30 31 31 30 20 31 0D TE 30 30 31 31 30 20 31 0D TE 30 30 31 31 30 20 31 0D TE 30 30 31 31 30 20 31 0D	Keypad Lock Background Color	On Off (0/2 for backward of 0ff (0/2 for backward off (0/	On Off (0 2 for backward On Off (0 2 for backward Bright STD (0/2 for backward STD	n = 0 (a=30) ~ 180 (a=31 38.30) step n = 0 (a=30) ~ 995 (a=39 39 39) step compatible) \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$
-XX102 1 -XX102 0 -XX103 1 -XX103 0 -XX104 1 -XX104 2 -XX104 3 -XX104 4 -XX104 5 -XX105 1 -XX105 1 -XX106 n -XX107 n	TE 30 30 31 30 32 02 30 0D) TE 30 30 31 30 33 20 31 0D) TE 30 30 31 30 33 20 31 0D) TE 30 30 31 30 34 20 31 0D) TE 30 30 31 30 34 20 32 0D) TE 30 30 31 30 34 20 32 0D) TE 30 30 31 30 34 20 32 0D) TE 30 30 31 30 34 20 35 0D) TE 30 30 31 30 34 20 35 0D) TE 30 30 31 30 34 20 35 0D) TE 30 30 31 30 34 20 35 0D) TE 30 30 31 30 35 20 31 0D) TE 30 30 31 30 35 20 30 0D) TE 30 30 31 30 37 20 30 0D) TE 30 30 31 30 39 20 31 0D) TE 30 30 31 30 39 20 31 0D) TE 30 30 31 30 39 20 31 0D) TE 30 30 31 30 39 20 31 0D) TE 30 30 31 30 39 20 31 0D) TE 30 30 31 30 39 20 31 0D) TE 30 30 31 30 39 20 31 0D) TE 30 30 31 30 39 20 31 0D)	Keypad Lock Background Color	On Off (0/2 for backward of 0ff (0/2 for backward off	On Off (0.2 for backward off (0.2 for backward bright bright)	n = 0 (a=30) ~ 180 (a=31 83 30) step: n = 0 (a=30) ~ 995 (a=39 39 39) step: compatible) SORIES compatible) compatible)

~XX112 1	7E 30 30 31 31 32 20 31 0D	Reset		Yes
~XX99 1 ~XX210 n	7E 30 30 39 39 20 31 0D 7E 30 30 32 30 30 20 n 0D	RS232 Alert Reset Display message on the OSD	Reset System Alert	n; 1-30 characters
SEND to emulat	te Remote			
~XX140 1	7E 30 30 31 34 30 20 31 0D		Power	
~XX140 10	7E 30 30 31 34 30 20 31 30 0I		Up/Page +	
~XX140 11	7E 30 30 31 34 30 20 31 31 0I		Left/Source	ACCUANT.
~XX140 12	7E 30 30 31 34 30 20 31 32 01		Enter (for projection	MENU)
~XX140 13	7E 30 30 31 34 30 20 31 33 0I		Right/Re-SYNC	
~XX140 14	7E 30 30 31 34 30 20 31 34 0I		Down/Page -	
~XX140 15	7E 30 30 31 34 30 20 31 35 0I		Keystone +	
~XX140 16	7E 30 30 31 34 30 20 31 36 0I		Keystone -	
~XX140 17	7E 30 30 31 34 30 20 31 37 0I		Volume -	
~XX140 18	7E 30 30 31 34 30 20 31 38 0I		Volume +	
~XX140 19	7E 30 30 31 34 30 20 31 39 0I		Brightness (1)	
~XX140 20	7E 30 30 31 34 30 20 32 30 0I		Menu (2)	
~XX140 21 ~XX140 22	7E 30 30 31 34 30 20 32 31 0I		Zoom (3)	
~XX140 22 ~XX140 23	7E 30 30 31 34 30 20 32 32 0I 7E 30 30 31 34 30 20 32 33 0I		Contrast (4) Freeze (5)	
~XX140 23 ~XX140 24	7E 30 30 31 34 30 20 32 34 0I		AV Mute (6)	
~XX140 24 ~XX140 25	7E 30 30 31 34 30 20 32 34 01 7E 30 30 31 34 30 20 32 35 0I		S-Video (7)	
~XX140 25 ~XX140 26	7E 30 30 31 34 30 20 32 33 01		VGA1 toggle (8)	
~XX140 27	7E 30 30 31 34 30 20 32 37 0I		Video (9)	
	jector automatically			
232 ASCII Code		Function	Projector Return	Description
	/arming/Cooling/Out of Range/		INFOn	n: 0/1/2/3/4/6/7/8/9 = Standby/Warming/Cooling/Out of Range/
	ock/Over Temperature/Lamp Hou	rs Running Out/	INFOIL	Lamp fail/Fan Lock/Over Temperature/Lamp Hours Running Out Cover Open
READ from pro	ojector			
232 ASCII Code		Function	Projector Return	Description
~XX121 1	7E 30 30 31 32 31 20 31 0D	Input Source Commands	OKn	n: 0/1/3/4/ = None/VGA1/S-Video/Video/
~XX122 1	7E 30 30 31 32 32 20 31 0D	Sofware Version	OKdddd	dddd: FW version
~XX123 1	7E 30 30 31 32 33 20 31 0D	Display Mode	OKn	n: 0/1/2/3/4/5/6/7/8 = None/Presentation/Bright/Movie/sRGB/Ust User2/Blackboard/Classroom/
~XX124 1	7E 30 30 31 32 34 20 31 0D	Power State	OKn	n : 0/1 = Off/On
~XX125 1	7E 30 30 31 32 35 20 31 0D	Brightness	OKn	11.01
~XX126 1	7E 30 30 31 32 36 20 31 0D	Contrast	OKn	
~XX127 1	7E 30 30 31 32 37 20 31 0D	Aspect Ratio	OKn	n: 0/1/2/3/4 = 4:3/16:9-1/16:9-11/Native/AUTO
~XX128 1	7E 30 30 31 32 38 20 31 0D	Color Temperature	OKn	n: 0/1/2 = Warm/Medium/Cold
~XX129 1	7E 30 30 31 32 39 20 31 0D	Projection Mode	OKn	n: 0/1/2/3 = Front-Desktop/ Rear-Desktop/ Front-Ceiling/ Rear-C
~XX150 1	7E 30 30 31 35 30 20 31 0D	Information	OKabbbbccdddde	
				a: 0/1 = Off/On
				bbbb: LampHour
				cc: source 00/01/03/04 = None/VGA1/S-Video/Video
				dddd: FW version e : Display mode 0/1/2/3/4/5/6/7/8/
				None/Presentation/Bright/Movie/sRGB/User1/U Blackboard/Classroom
~XX151 1	7E 30 30 31 35 31 20 31 0D	Model name	OKn	n:1 =SVGA
~XX131 1 ~XX108 1	7E 30 30 31 33 31 20 31 0D	Lamp Hours	OKbbbb	bbbb: LampHour
~XX108 1 ~XX108 2	7E 30 30 31 30 38 20 31 0D	Cumulative Lamp Hours	OKbbbbb	bbbbb: (5 digits) Total Lamp Hours
-AA100 2	7L 30 30 31 30 38 20 31 0D	Cumulative Lamp Hours	OKOOOO	00000. (2 digits) Total Lamp Hours



Discount-Merchant.com (800) 281-8860
THE TRUSTED SOURCE FOR PROJECTOR LAMPS AND ACCESSORIES

Ceiling Mount Installation

- 1. To prevent damage to your projector, please use the Optoma ceiling mount.
- If you wish to use a third party ceiling mount kit, please ensure the screws used to attach a mount to the projector meet the following specifications:

▶ Screw type: M3*3

Maximum screw length: 10mm

Minimum screw length: 7.5mm



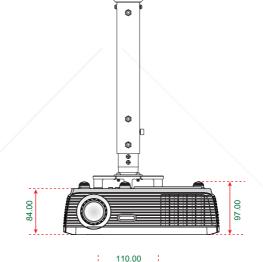
Please note that damage resulting from incorrect installation will invalidate the warranty.



Warning:

- If you buy a ceiling mount from another company, please be sure to use the correct screw size. Screw size will vary depending on the thickness of the mounting plate.
- Be sure to keep at least 10 cm gap between the ceiling and the bottom of the

Avoid installing the projector near a heat





281-8860

Lens 63.00 118.65 167.66 286.31

Unit: mm

Optoma Global Offices

For service or support please contact your local office.

USA

715 Sycamore Drive Tel : 408-383-3700 Milpitas, CA 95035, USA Fax: 408-383-3702

www.optomausa.com Service : services@optoma.com

Canada

5630 Kennedy Road, Mississauga, Tel : 905-361-2582 ON, L4Z 2A9, Canada Fax: 905-361-2581

www.optoma.ca Service : <u>canadacsragent@optoma.com</u>

Europe

42 Caxton Way, The Watford Business Park

Watford, Hertfordshire,

WD18 8QZ, UK Tel: +44 (0) 1923 691 800 www.optoma.eu Fax: +44 (0) 1923 691 888

Service Tel: +44 (0)1923 691865 Service: service@tsc-europe.com

France

Bâtiment E Tel: +33 1 41 46 12 20 81-83 avenue Edouard Vaillant Fax: +33 1 41 46 94 35

92100 Boulogne Billancourt, France Service : savoptoma@optoma.fr

Spain

C/ José Hierro,36 Of. 1C Tel: +34 91 499 06 06 28529 Rivas VaciaMadrid, Fax: +34 91 670 08 32

Spain

Deutschland

Werftstrasse 25 Tel: +49 (0) 211 506 6670 D40549 Düsseldorf, Fax: +49 (0) 211 506 66799 Germany Service: info@optoma.de

FixYourDLP.com

Scandinavia

Lerpeveien 25
Tel: +47 32 98 89 90
THE TRUST Norway TE FOR PROJECTOR Fax: +47 32 98 89 99
Service: info@optoma.no

00 POV 0545

PO.BOX 9515 3038 Drammen Norway

Latin America

715 Sycamore Drive T Milpitas, CA 95035, USA F www.optoma.com.br

Tel: 408-383-3700 Fax: 408-383-3702 www.optoma.com.mx

Korea

WOOMI TECH.CO.,LTD.

4F,Minu Bldg.33-14, Kangnam-Ku, Tel : +82+2+34430004 seoul,135-815, KOREA Fax: +82+2+34430005

Japan

東京都足立区綾瀬3-25-18 株式会社オーエスエム サポートセンター:0120-46-5040

E-mail : <u>info@osscreen.com</u> www.os-worldwide.com

Taiwan

5F., No. 108, Minchiuan Rd. Shindian City, Taipei Taiwan 231, R.O.C. www.optoma.com.tw

Tel: +886-2-2218-2360 Fax: +886-2-2218-2313

Service : services@optoma.com.tw

asia.optoma.com

Hong Kong

Unit A, 27/F Dragon Centre, 79 Wing Hong Street, Cheung Sha Wan, Kowloon, Hong Kong

Tel: +852-2396-8968 Fax: +852-2370-1222 www.optoma.com.hk

China

 5F, No. 1205, Kaixuan Rd.,
 Tel: +86-21-62947376

 Changning District
 Fax: +86-21-62947375

 FixYourDLP.co6hanghai, 200052, China
 www.optoma.com.cn

Discount-Merchant.com (800) 281-8860
THE TRUSTED SOURCE FOR PROJECTOR LAMPS AND ACCESSORIES

Regulation & Safety notices

This appendix lists the general notices of your projector.

FCC notice

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.

Notice: Shielded cables

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



Acaution nt.com (800) 281-8860

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.

Operation conditions

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
- This device must accept any interference received, including interference that may cause undesired operation.

Notice: Canadian users

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

Remarque à l'intention des utilisateurs canadiens

Cet appareil numerique de la classe B est conforme a la norme NMB-003 du Canada.

Declaration of Conformity for EU countries

- EMC Directive 2004/108/EC (including amendments)
- Low Voltage Directive 2006/95/EC
- R & TTE Directive 1999/5/EC (if product has RF function)

Disposal instructions





Do not throw this electronic device into the trash when discarding. To minimize pollution and ensure utmost protection of the global environment, please recycle it.

THE TRUSTED SOURCE FOR PROJECTOR LAMPS AND ACCESSORIES



This user manual is provided as a free service by FixYourDLP.com. FixYourDLP is in no way responsible for the content of this manual, nor do we guarantee its accuracy. FixYourDLP does not make any claim of copyright and all copyrights remain the property of their respective owners.

About FixYourDLP.com

FixYourDLP.com (http://www.fixyourdlp.com) is the World's #1 resource for media product news, reviews, do-it-yourself guides, and manuals.

Informational Blog: http://www.fixyourdlp.com Video Guides: http://www.fixyourdlp.com/guides User Forums: http://www.fixyourdlp.com/forum

FixYourDLP's Fight Against Counterfeit Lamps: http://www.fixyourdlp.com/counterfeits

Sponsors:

RecycleYourLamp.org – Free lamp recycling services for used lamps: http://www.recycleyourlamp.org

Lamp Research - The trusted 3rd party lamp research company: http://www.lampresearch.com

Discount-Merchant.com – The worlds largest lamp distributor: http://www.discount-merchant.com

