

INSTALLATION AND QUICK-START GUIDE
CONNECTION GUIDE
OPERATING GUIDE
REMOTE COMMUNICATIONS GUIDE

E-Vision 7000 Series

High Brightness Digital Video Projector





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About This Document

Please follow the instructions in this manual carefully to ensure safe and long-lasting use of the projector.

Keep this manual handy for future reference.

Symbols used in this manual

Many pages in this document have a dedicated area for notes. The information in that area is accompanied by the following symbols:



ELECTRICAL WARNING: this symbol indicates that there is a danger of electrical shock unless the instructions are closely followed.



WARNING: this symbol indicates that there is a danger of physical injury to yourself and/or damage to the equipment unless the instructions are closely followed.



NOTE: this symbol indicates that there is some important information that you should read.

Product revision

Because we at Digital Projection continually strive to improve our products, we may change specifications and designs, and add new features without prior notice.

Legal notice

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Notes

Introduction Notes Congratulations on your purchase of this Digital Projection product. Your projector has the following key features: Swappable color wheels for high brightness and color critical applications. BrilliantColor™ for increased system brightness. DynamicBlack™ for improved black levels in dark scenes. Frame sequential 3D support at up to 120Hz with support for DLP® Link™ glasses synchronisation only. Independent control of hue, saturation and gain for primary and secondary colors. Vertical keystone correction. Control via LAN and RS232. Motorized lens mount. A serial number is located on the back of the projector. Please record it here:

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High Brightness Digital Video Projector



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What's In The Box?



2x AAA batteries



Projector

Notes

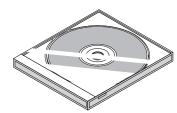


Make sure your box contains everything listed. If any pieces are missing, contact your dealer.



You should save the original box and packing materials, in case you ever need to ship your Projector.

Remote control (112-377)



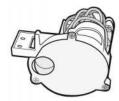
User Guides on CD (112-456)



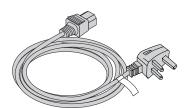
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Lens cap



Color wheel



Power cable 10A, United Kingdom (102-180)



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Power cable 13A, North America (102-165)



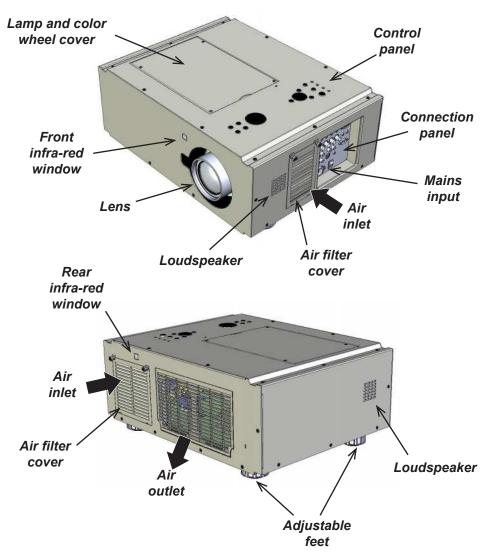
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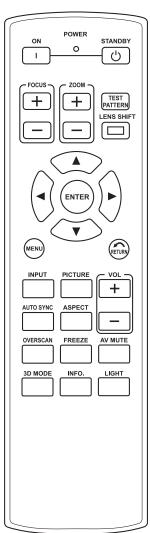
Only one power cable - dependent on the destination territory - will be supplied with the projector.

Getting To Know The Projector

Front and rear views



Remote control







40°

Infra-red

reception

The projector uses an infra-red remote control.

> Some of the controls are duplicated on the projector control panel, as shown on the next page.



For full details of how to use the controls and the menu system, see the Operating Guide.



The air filters should be cleaned or changed regularly, depending on the installation environment.

> The filters should be changed at the same time as the lamp is changed.



The projector lens is shipped separately.

Control panel and indicators

Some of the controls from the remote control are duplicated on the projector control panel, as shown on the right.

The CANCEL button has the same function as the RETURN button on the remote control.

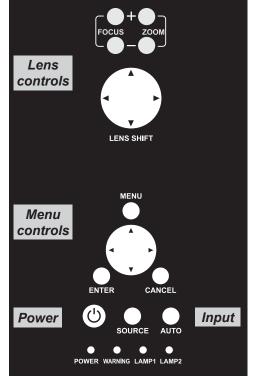
The SOURCE and AUTO buttons have the same function as the INPUT and AUTO SYNC buttons on the remote control.

The **Power** indicator will show amber when in standby and green when the projector is on, and will flash when the projector is warming up or cooling down.

The Warning indicator will flash to show any error situations.

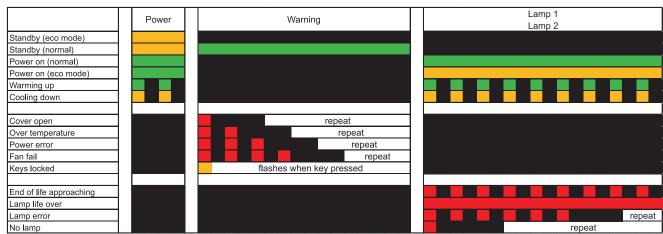
The *Lamp* indicators will show which lamp is in use, and whether the projector is in Normal or Eco mode, and will flash to show lamp status.

The chart below shows all possible combinations of indicator lamp color.





For full details of how to use the controls and the menu system, see the Operating Guide.

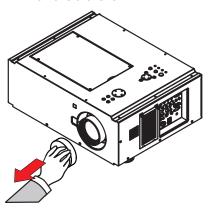


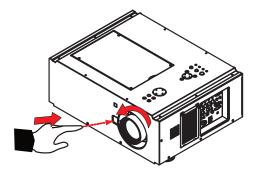
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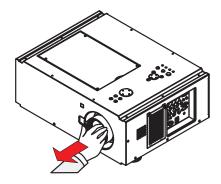
Changing The Lens, Lamps And Color Wheel

Removing the lens

- Remove the lens cap.
- Push in the lens release lever, and turn the lens anti-clockwise.
- Remove the lens.

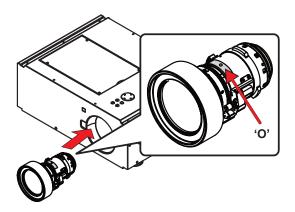


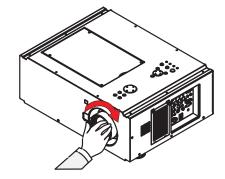




Fitting the lens

- Position the lens so that the label marked 'O' is at the top, and gently insert it all the way into the lens mount.
- Turn the lens clockwise until it clicks into place.





Notes



Always allow the lamp to cool for 5 minutes before:

- disconnecting the power
- moving the projector

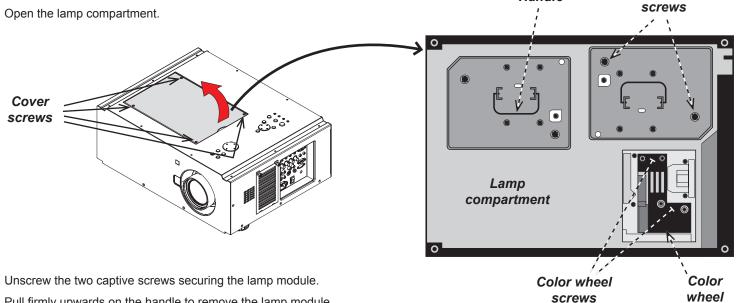


The projector lens is shipped separately.

Handle

Changing the lamp

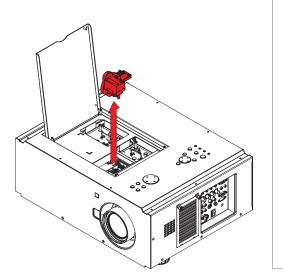
Remove the four screws securing the lamp compartment cover.



- Pull firmly upwards on the handle to remove the lamp module.
- Insert a new lamp module, fasten the screws, and replace the lamp compartment cover.

Changing the color wheel

- Remove the four screws securing the lamp compartment cover.
- Open the lamp compartment.
- Unscrew the four captive screws securing the color wheel.
- Remove the color wheel.
- Insert a new color wheel, fasten the screws, and replace the lamp compartment cover.



Notes



Lamp module

Always allow the lamp to cool for 5 minutes before:

- disconnecting the power
- moving the projector



The lamp and color wheel must be changed only by suitably qualified personnel.



The projector will shut down if the cover is opened whilst in operation.

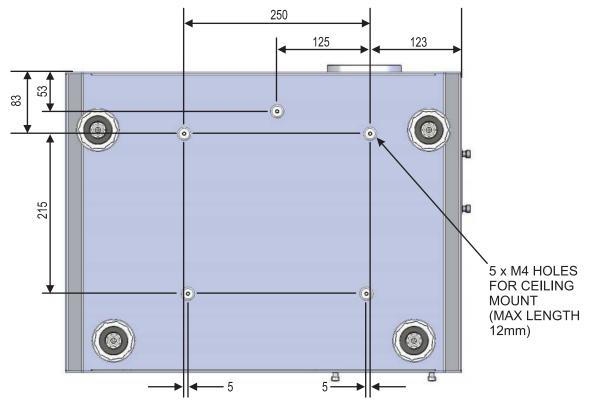


The filters should be changed at the same time as the lamp is changed.

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Positioning The Screen And Projector

- Install the screen, ensuring that it is in the best position for viewing by your audience.
- Mount the projector, ensuring that it is at a suitable distance from the screen for the image to fill the screen. Set the adjustable feet so that the projector is level, and perpendicular to the screen.
- The dimension drawing below shows the positions of the feet for table mounting, and the fixing holes for ceiling mounting.



All dimensions are in mm.

Notes



Always allow the lamp to cool for 5 minutes before:

- disconnecting the power
- moving the projector



Ensure that there is at least 50cm (20in) of space between the ventilation outlets and any wall, and 10cm (4in) on all other sides.

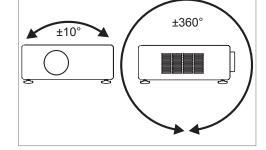
If ceiling mounting, ensure there is 30cm (12in) of space between the projector and ceiling.



Do not stack the projectors.



Do not tilt the projector more than ±10° from side to side when in use, as this may cause serious lamp failure, damage the lamp module and cause extra cost on replacement.



Operating The Projector

Switching the projector on

- Connect the power cable between the mains supply and the projector. Switch on at the switch next to the power connector.
- Wait until the self-test has completed and the *Power* indicator on the projector control panel shows amber. The lamp will be off and the projector will be in STANDBY mode.
- on the control panel or **POWER ON** on the remote control.

The *Power* indicator on the control panel will flash green for a few seconds whilst the lamp comes up to full brightness. When the projector is ready for use, the **Power** indicator will show steady green.

Selecting an input signal or test pattern

Input signal

- Connect an image source to the projector. The signal should be automatically detected by the projector, and should be displayed within a two or three seconds.
- If more than one signal is connected, then select the image you want to display:

Press **SOURCE** on the control panel to cycle through the inputs,

or press **INPUT** on the remote control, then \triangleleft or \triangleright to cycle through the inputs.

Test pattern

If you have no image source connected to the projector, then you can display a test pattern instead:

Press **TEST PATTERN** on the remote control, then \triangleleft or \triangleright to cycle through the patterns,

or select a Test Pattern from the Installation menu.

Notes



Always allow the lamp to cool for 5 minutes before:

- disconnecting the power
- moving the projector



For full details of how to connect an image source to the projector, see the Connection Guide.



For full details of how to use the controls and the menu system, see the Operating Guide.

Notes

Adjusting the lens

Zoom

 Use the **ZOOM** +/- buttons on the control panel or on the remote control to adjust the lens so that the image fills the screen.

Focus

• Use the **FOCUS +/-** buttons on the control panel or on the remote control to adjust the lens until the image is sharp.

Shift

Use the LENS SHIFT buttons <, ▷, △ and ∇ on the control panel to adjust the position of the image,

or press the **LENS SHIFT** button on the remote control then use \triangleleft , \triangleright , \triangle and ∇ to adjust the position of the image.

Adjusting the image

Orientation

• Use the Projection Mode settings, in the Installation Menu.

Aspect ratio

 Press the ASPECT button on the remote control to cycle through all the available settings.

or use the Aspect Ratio setting in the Setup Menu.

Picture

 Press PICTURE on the remote control or use the menu controls, to open the Picture Menu.

Use the sliders in the **Picture** menu to adjust the brightness, contract etc.

For full details of how to use the controls and the menu system, see the **Operating Guide**.

Switching the projector off

• Press on the control panel or **STANDBY** on the remote control, then press the button a second time within 5 seconds to confirm your intention to switch off.

The lamp will go off, and the *Power* indicator on the control panel will flash amber for a few seconds whilst the lamp cools. The *Power* indicator on the control panel will then show amber and the projector will be in *Standby* mode.

• Switch off at the switch next to the power connector. Disconnect the power cable from the projector.

Notes



Always allow the lamp to cool for 5 minutes before:

- disconnecting the power
- moving the projector

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E-Vision 7000 Series

High Brightness Digital Video Projector



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Signal Inputs And Outputs

Computer 1

- Connect an analog computer (VGA) cable to the 15-pin D-type.
- Connect a **stereo audio** cable to the 3.5mm jack.

Computer 2

- Connect a set of **RGsB**, **RGBHV** or **YCbCr** cables to the BNC connectors.
- Connect a stereo audio cable to the 3.5mm jack.

Computer 3

- Connect a **DVI-I** cable to the DVI connector.
- Connect a **stereo audio** cable to the 3.5mm jack below the DVI connector.

Component

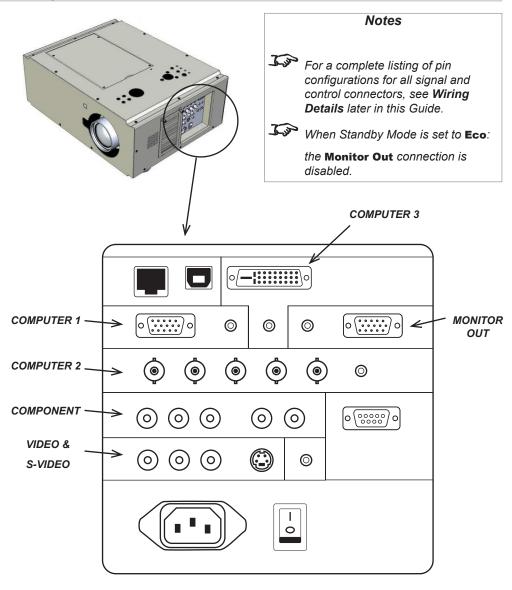
- Connect a set of **YPbPr** or **YCbCr** cables to the RCA phono connectors.
- Connect a pair of audio cables to the L and R audio connectors or a single audio cable
 to the L connector.

Video or S-Video

- Connect a composite video cable to the single RCA phono connector, or an S-Video cable to the 4-pin mini-DIN.
- Connect a pair of audio cables to the L and R audio connectors or a single audio cable
 to the L connector

Monitor Out

- Connect an analog monitor (VGA) cable to the 15-pin D-type.
- Connect a **stereo audio** cable to the 3.5mm jack.



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Supported Signal Input Modes

| Sig | nal | Resolution | Refresh Rate (Hz) | Total number of lines | Horizontal Frequency (kHz) | 3D | VIDEO / S-VIDEO | COMPONENT | COMPUTER 1 (VGA) | COMPUTER 2 (RGB/YCbCr) | COMPUTER 3 (DVI-I) |
|----------|---------|---------------|---------------------------|-----------------------------|----------------------------------|----------|--------------------|-----------|---------------------|---------------------------|--------------------|
| SDTV | 480i | 720 x 480 | 59.94 | 525 | 15.73 | | ✓ | ✓ | | ✓ | |
| | 576i | 720 x 576 | 50 | 625 | 15.63 | | ✓ | ✓ | | ✓ | |
| HDTV | 480p | 720 x 480 | 59.94 | 525 | 31.47 | | | ✓ | | ✓ | ✓ |
| | 576p | 720 x 576 | 50 | 625 | 31.25 | | | ✓ | | ✓ | ✓ |
| | 720p50 | 1280 x 720 | 50 | 750 | 37.50 | | | ✓ | | ✓ | ✓ |
| | 720p60 | 1280 x 720 | 60 | 750 | 45.00 | | | ✓ | | ✓ | ✓ |
| | 1080i50 | 1920 x 1080 | 50 | 1125 | 28.13 | | | ✓ | | ✓ | ✓ |
| | 1080i60 | 1920 x 1080 | 60 | 1125 | 33.75 | | | ✓ | | ✓ | ✓ |
| | 1080p50 | 1920 x 1080 | 50 | 1125 | 56.25 | | | ✓ | | ✓ | ✓ |
| | 1080p60 | 1920 x 1080 | 60 | 1125 | 67.5 | | | ✓ | | ✓ | ✓ |
| COMPUTER | 480p | 640 x 480 | 59.9 | 526 | 31.5 | | | | ✓ | ✓ | ✓ |
| | VGA72 | 640 x 480 | 72.8 | 521 | 37.9 | | | | ✓ | ✓ | ✓ |
| | VGA75 | 640 x 480 | 75 | 500 | 37.5 | | | | ✓ | ✓ | ✓ |
| | VGA85 | 640 x 480 | 85 | 509 | 43.3 | | | | ✓ | ✓ | ✓ |
| | SVGA56 | 800 x 600 | 56.3 | 625 | 35.2 | | | | ✓ | ✓ | ✓ |
| | SVGA60 | 800 x 600 | 60.3 | 629 | 37.9 | ✓ | | | ✓ | ✓ | ✓ |
| | SVGA72 | 800 x 600 | 72.2 | 666 | 48.1 | | | | ✓ | ✓ | ✓ |
| | SVGA75 | 800 x 600 | 75 | 625 | 46.9 | | | | ✓ | ✓ | ✓ |
| | SVGA85 | 800 x 600 | 85.1 | 631 | 53.7 | | | | ✓ | ✓ | ✓ |
| | SVGA120 | 800 x 600 | 120.6 | 663 | 80.0 | ✓ | | | | | ✓ |
| | SVGA120 | 800 x 600_RB | 120 | 611 | 73.3 | ✓ | | | | | ✓ |
| | SVGA120 | 800 x 600 | 119.9 | 700 | 83.9 | √ | | | | | ✓ |
| | XGA60 | 1024 x 768 | 60 | 807 | 48.4 | ✓ | | | ✓ | √ | √ |
| | XGA70 | 1024 x 768 | 70.1 | 806 | 56.5 | | | | ✓ | ✓ | √ |
| | XGA75 | 1024 x 768 | 75 | 800 | 60 | | | | ✓ | √ | √ |
| | XGA120 | 1024 x 768 | 120 | 806 | 96.7 | √ | | | | | √ |
| | XGA120 | 1024 x 768 RB | 120 | 813 | 97.6 | √ | | | | | √ |
| | XGA120 | 1024 x 768 | 119.8 | 823 | 98.6 | √ | | | | | √ |
| | 1 | I | continu | ued on ne | ext page | | 1 | | 1 | 1 | 1 |

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| [| *************************************** | | continu | ed from p | revious pag | е | | | | *************************************** | ••••• |
|-----------|---|----------------|---------------------------|-----------------------------|----------------------------------|----|---------|-----------|------------------|---|--------------------|
| Sig | nal | Resolution | Refresh Rate (Hz) | Total number of lines | Horizontal Frequency (kHz) | 3D | VIDEO / | COMPONENT | COMPUTER 1 (VGA) | COMPUTER 2 (RGB/YCbCr) | COMPUTER 3 (DVI-I) |
| COMPUTER | WXGA60 | 1280 x 720 | 59.9 | 746 | 44.7 | ✓ | | | ✓ | ✓ | ✓ |
| continued | WXGA60 | 1280 x 720 | 60 | 750 | 45 | | | | √ | ✓ | ✓ |
| | WXGA120 | 1280 x 720 | 120 | 750 | 90 | | | | | | ✓ |
| | WXGA120 | 1280 x 720 | 120.1 | 772 | 92.7 | ✓ | | | | | ✓ |
| | WXGA60 | 1280 x 768 | 59.9 | 798 | 47.8 | | | | ✓ | ✓ | ✓ |
| | WXGA60 | 1280 x 800 | 59.8 | 831 | 49.7 | ✓ | | | ✓ | ✓ | ✓ |
| | WXGA75 | 1280 x 800 | 74.9 | 838 | 62.8 | | | | ✓ | ✓ | ✓ |
| | WXGA120 | 1280 x 800_RB | 119.9 | 847 | 101.6 | ✓ | | | | | ✓ |
| | WXGA60 | 1360 x 768 | 60 | 795 | 47.7 | | | | ✓ | ✓ | ✓ |
| | WXGA60 | 1366 x 768 | 59.8 | 799 | 47.8 | | | | ✓ | ✓ | ✓ |
| | WXGA+60 | 1440 x 900 | 59.9 | 933 | 55.9 | | | | ✓ | ✓ | ✓ |
| | SXGA75 | 1152 x 864 | 75 | 900 | 67.5 | | | | ✓ | ✓ | ✓ |
| | SXGA60 | 1280 x 960 | 60 | 1000 | 60 | | | | ✓ | ✓ | ✓ |
| | SXGA60 | 1280 x 1024 | 60 | 1067 | 64 | | | | ✓ | ✓ | ✓ |
| | SXGA75 | 1280 x 1024 | 75 | 1067 | 80 | | | | ✓ | ✓ | ✓ |
| | SXGA+60 | 1400 x 1050 | 60 | 1088 | 65.3 | | | | ✓ | ✓ | ✓ |
| | WSXGA+ | 1680 x 1050_60 | 60 | 1088 | 65.3 | | | | ✓ | ✓ | ✓ |
| | UXGA60 | 1600 x 1200 | 60 | 1250 | 75.00 | | | | ✓ | ✓ | ✓ |
| MAC | MAC13 | 640 x 480 | 66.6 | 526 | 35.0 | | | | ✓ | ✓ | ✓ |
| | MAC16 | 832 x 624 | 74.5 | 667 | 49.7 | | | | ✓ | ✓ | ✓ |
| | MAC19 | 1024 x 768 | 74.9 | 804 | 60.2 | | | | ✓ | ✓ | ✓ |
| | MAC21 | 1152 x 870 | 75.1 | 915 | 68.7 | | | | ✓ | ✓ | ✓ |

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Control Connections

Screen Trigger

 The Trigger output can be connected to an electrically operated screen, automatically deploying the screen when the projector is switched on, and retracting the screen when the projector is switched to standby.

USB Service Port

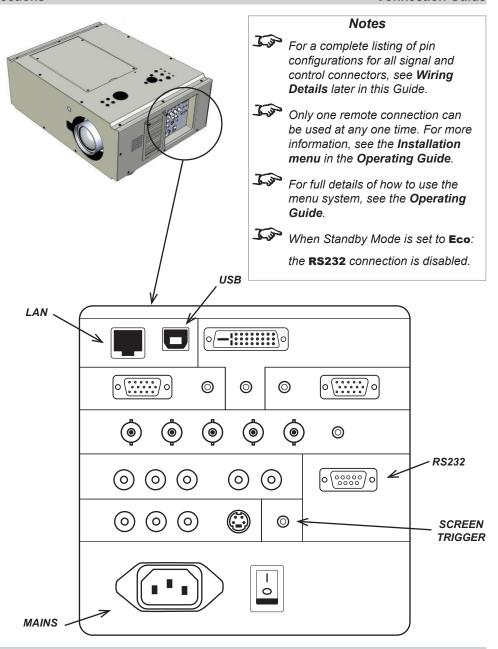
 The USB Service Port is used to download firmware updates, issued from time to time by Digital Projection.

RS232

 All of the projector's features can be controlled via a serial connection, using the control strings described in the *Remote Communications Guide*.

LAN

- All of the projector's features can be controlled via a LAN connection, using the industry standard *PJLInk* commands. The PJLink specification can be downloaded from http://pjlink.jbmia.or.jp/english - click on the *Specifications* link.
- The LAN IP Address of the projector can be set by using the Network submenu, which
 can be found in the Advanced Setting submenu in the Installation menu.
- Once the LAN IP Address has been set, it is possible to assign a Host Name and Domain Name to the projector, and to set up an Alert Mail address and PJLink password.
- For more information about these settings, see PJLink in the Remote Communications Guide.
- A number of basic picture and input settings can be controlled directly using the embedded *LAN Control utility*.
- For full details of how to use this feature, see LAN Control Utility in the Remote Communications Guide.



Wiring Details

Signal inputs and outputs

Monitor video output (VGA)

Computer 1 video input: analog computer (VGA)

15 way D-type connector

- 1 R
- 2 G
- 3 B
- 4 unused
- 5 Digital Ground (H Sync)
- 6 R Ground
- 7 B Ground
- 8 G Ground
- 9 +5v
- 10 Digital Ground (V Sync/DDC)
- 11 unused
- 12 SDA
- 13 H Sync
- 14 V Sync
- 15 SCL

Computer 2 video input: RGBHV, RGsB or YCbCr

5 x 75 ohm BNC

| RGBHV | RGsB | YCbCr |
|-------|--------------|-------|
| Green | Green + Sync | Υ |
| Blue | Blue | Cb |
| Red | Red | Cr |
| Hsync | | |
| Vsync | | |



pin view of female connector

R/Cr G/Y B/Cb H

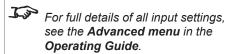


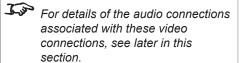








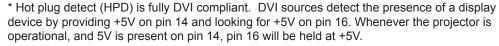




Computer 3 video input: DVI-D

24 way D-type connector

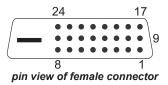
- TMDS Data 2-
- 2 TMDS Data 2+
- 3 TMDS Data 2 Shield
- 4 unused
- 5 unused
- 6 DDC Clock
- 7 **DDC** Data
- 8 unused
- 9 TMDS Data 1-
- TMDS Data 1+ 10
- 11 TMDS Data 1 Shield
- 12 unused
- 13 unused
- 14 +5 V Power
- 15 Ground
- 16 Hot Plug Detect*
- 17 TMDS Data 0-
- 18 TMDS Data 0+
- 19 TMDS Data 0 Shield
- 20 unused
- 21 unused
- 22 TMDS Clock Shield
- 23 TMDS Clock+
- 24 TMDS Clock-



EDID is available even when the projector is switched off.

Operational means that the projector is powered up. Non operational states are powered down and some self test and reprogramming modes.

High Definition Content Protection (HDCP) is supported on this input.



Notes



For full details of all input settings, see the Advanced menu in the Operating Guide.

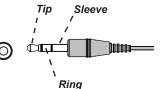
Monitor audio output

Computer 1, 2, 3 audio inputs

3.5mm mini jack

Tip Left

Ring Right Sleeve Ground



Component video and audio input

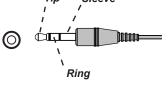
3 x RCA Phono

YCbCr YPbPr Cr Pr Υ Υ Cb Pb

2 x RCA Phono

Left or Mono audio

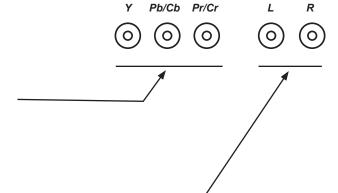
Right audio





For full details of all input settings, see the Advanced menu in the Operating Guide.

Notes



Video input

1 x RCA Phono

Composite Video

Composite and S-Video audio input

2 x RCA Phono

Left or Mono audio

Right audio

S-Video input

4 pin mini-DIN

- Y Ground
- C Ground
- Luminance (Y) 3
- Chrominance (C)



pin view of female connector

R

Notes



For full details of all input settings, see the Advanced menu in the Operating Guide.

Control connections

Screen Trigger output

3.5mm mini jack

Signal Tip Sleeve Ground

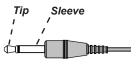
RS232 Serial control input

- unused
- Received Data (RX)
- Transmitted Data (TX) 3
- unused
- 5 Signal Ground
- unused
- unused
- unused
- unused

Null-modem cable

(used to connect the projector to a computer)

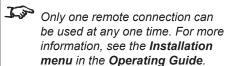
2 RX TX 3 2 TX RX 5 5 GND **GND**





pin view of female connector

Notes





The projector is a DTE, so use:

a straight cable to connect to a modem, or

a null-modem cable as shown here to connect to another DTE such as a computer.

LAN connection

10BaseT Unshielded Twisted Pair cable

The standard wire colors are as follows:

- White / Orange stripe
- 2 Orange
- White / Green stripe
- Blue
- White / Blue stripe
- Green
- White / Brown stripe
- 8 Brown

Crossed cable

(used to connect directly to a computer with no hub or network.) (Note that only the green and orange pairs are crossed)

| 1 | White / Orange stripe | White / Green stripe | 1 |
|---|-----------------------|-----------------------|---|
| 2 | Orange | Green | 2 |
| 3 | White / Green stripe | White / Orange stripe | 3 |
| 4 | Blue | Blue | 4 |
| 5 | White / Blue stripe | White / Blue stripe | 5 |
| 6 | Green | Orange | 6 |
| 7 | White / Brown stripe | White / Brown stripe | 7 |
| 8 | Brown | Brown | 8 |



top view of cable connector (clip is underneath)

Notes



Only one remote connection can be used at any one time. For more information, see the **Installation** menu in the Operating Guide.



For information about how to set the LAN IP configuration, see the next page.



a straight cable to connect to a hub or network, or

a crossed cable as shown here to connect ONLY to a computer directly.



E-Vision 7000 Series

High Brightness Digital Video Projector



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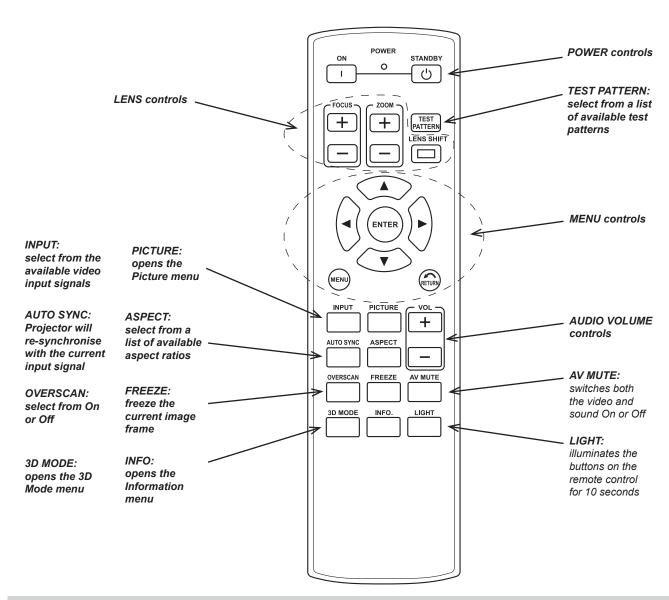
IN THIS GUIDE

IN THIS GUIDE

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Using The Remote Control



Notes



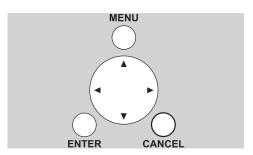
Some options and controls may not be available due to settings in the menus.

For full details of how to use the menu system, see later in this guide.

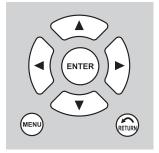
Using The Menus

Use the buttons on the projector control panel or on the remote control, to access the menu system.

To open or close the on-screen display (OSD), press **MENU**.



Projector control panel



Remote control

Notes



Some menu options and controls may not be available due to settings in other menus. These will be shaded grey on the actual menu.

Navigating the menus

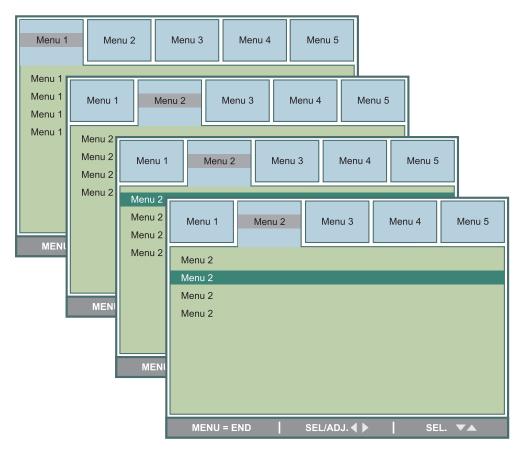
Select a menu using

 \triangleleft and \triangleright ,

then open the menu by pressing ∇ . The first item in the menu is highlighted.

Select an item in the menu using \bigwedge and \bigvee .

To open another menu, first close the current menu by pressing CANCEL/ RETURN.



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Submenus

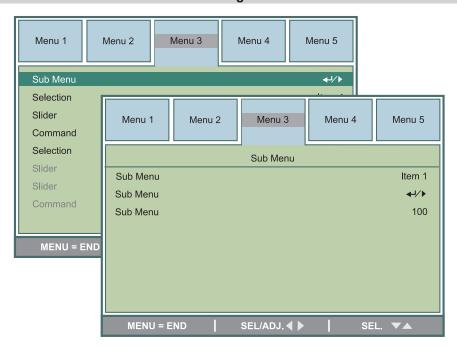
Select a submenu using

 \bigwedge and \bigvee .

then open the submenu by pressing ENTER.

The name of the submenu is shown at the top of the menu.

To close the submenu, press CANCEL/ RETURN.



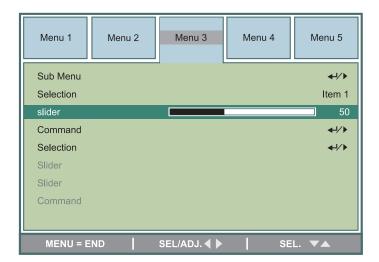
Notes



Some menu options and controls may not be available due to settings in other menus. These will be shaded grey on the actual menu.

Sliders

• Use \bigcirc or \bigcirc to adjust the value.



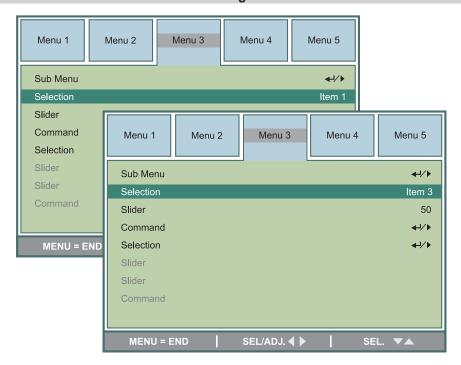
Selecting parameters

Most parameters are changed by selecting from a list:

Select from the list using



The change will be made immediately.

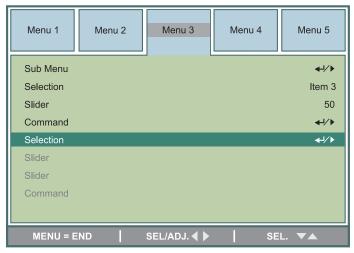


Some parameters are changed by selecting from a pop-up menu.

- Press **ENTER** to open the pop-up menu.
- The item that is currently selected is highlighted.
- Select from the list using



The change will be made when you press **ENTER** to confirm the selection.



| | Pop up Menu |
|--------|-------------|
| Item 1 | |
| Item 2 | |
| Item 3 | |
| Item 4 | |
| Item 5 | |
| | |
| | |
| | |

Notes

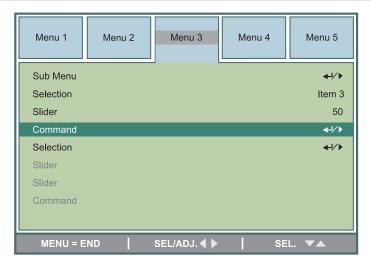


Some menu options and controls may not be available due to settings in other menus. These will be shaded grey on the actual menu.

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Commands

• To use a command, press **ENTER**.



In this example,

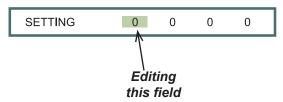
- use or to move the green highlight to No or Yes,
- then press **ENTER** to confirm your selection.



Editing fields

Some features require a text or numeric field to be edited.

- To edit a field, first use \bigcirc or \bigcirc to select the field to be changed,
- then use \bigwedge and \bigvee to adjust it the value.
- then select the next digit or character.
- Press **ENTER** to accept the new value or **CANCEL/RETURN** to exit without changing.



Notes



Some menu options and controls may not be available due to settings in other menus. These will be shaded grey on the actual menu.

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A Tour Of The Menus

Picture menu



Picture Mode

• Select a picture mode as required.

Brilliant Color

Select 0, 1 or 2, as required.

Brightness, Contrast, Color, Tint, Sharpness

• Adjust the sliders for these settings, as required.

Reset

- Press **ENTER** to restore all settings in the Picture Menu (except Picture Mode and Signal Type) to their factory defaults.
- When the warning message appears, use or to move the green highlight to **YES** or **NO**, then press **ENTER** to confirm your selection.



Notes



See also **Using the Menus**, earlier in this guide and **Menu Map**, later in this guide.



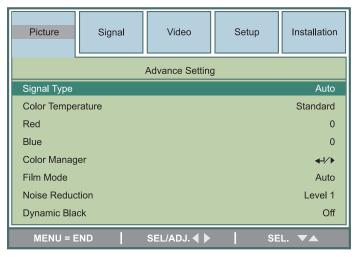
Brilliant Color® allows for increased projector brightness and improved color saturation by enabling the yellow segments on the color wheel.



Do NOT do this unless you are sure that you want to restore ALL the picture settings to their factory defaults.

Picture menu continued

Advance Setting submenu



Signal Type

Set this to Auto, except when the projector has problems selecting between RGB, YCrCb and YPrPb.

Color Temperature

Set this to suit the specification of the input source, or to improve the appearance of the projected image.

Red, Blue

Set these to improve the appearance of the projected image.

Color Manager

- Press **ENTER** to open the Color Manager sub-menu.
- Select from Red, Green, Blue, Cyan, Magenta or Yellow and press ENTER.
- Use the sliders to adjust the **Hue**, **Saturation** and **Value** of each color as required.

Notes



See also **Using the Menus**, earlier in this guide and **Menu Map**, later in this guide.

Picture Menu **Advance Setting Submenu**

Increasing the Red content will make the image feel 'warmer', Blue will make it feel 'colder'.

Picture menu, Advance Setting submenu continued

Film Mode

- Set this to **Auto**, and the projector will automatically detect:
 - 3:2 pulldown for 60Hz signals 2:2 pulldown for 50Hz signals
- Set this to **Off**, to disable automatic pulldown detection.

Noise Reduction

Select a Noise Reduction level as required.

Dynamic Black

Set this to **On** or **Off** as required.

Notes



The Film Mode setting is available only for interlaced signals on the Video or S-Video inputs.

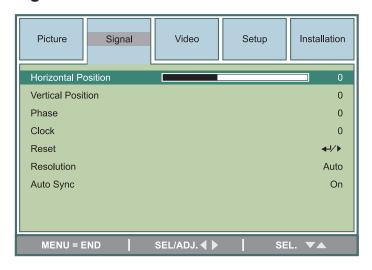


Dynamic Black reduces the overall light output for images that contain a lot of black. This improves the perceived contrast ratio.



See also Using the Menus, earlier in this guide and Menu Map, later in this guide.

Signal menu



Horizontal and Vertical Position, Phase, Clock

Adjust the sliders for these settings, as required.

Reset

- Press **ENTER** to restore the four settings above their factory defaults.
- When the warning message appears, use or to move the green highlight to YES or NO, then press ENTER to confirm your selection.

Confirm Yes

Resolution

Set this to Auto, unless the projector has problems selecting between Wide and 4:3 with some signals on the Computer 1, Computer 2 and Component inputs.

Auto Sync

- Set this to **On** if you want the projector to automatically synchronise with the input signal.
- Set this to **Off** if the settings are to be made manually, using the sliders above only.

Notes



See also **Using the Menus**, earlier in this quide and Menu Map. later in this guide.



These settings are used for VGA signals only.



Do NOT do this unless you are sure that you want to restore the settings to their factory defaults.

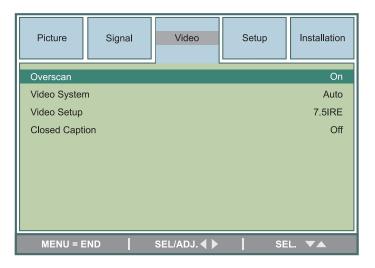


The Resolution setting is needed only for VESA 1024x768 60, VESA 1280x768_60, VESA 1400x1050 60 and VESA 1680x1050_60 signals on the Computer 1, Computer 2 and Component inputs.



The Auto Sync setting is used for VGA signals only.

Video menu



Overscan

• Set this to **On** or **Off** as required.

Video System

 Set this to Auto, unless the projector has problems selecting between PAL, SECAM, NTSC4.43, NTSC3.58, PAL-M, PAL-N and PAL-60.

Video Setup

• Set this to **OIRE** or **7.5IRE** as required.

Closed Caption

Set this to **Off** or **CC1** as required.

Notes



See also **Using the Menus**, earlier in this quide and Menu Map, later in this guide.

Overscan is used to compensate for noisy or badly defined image edges, by increasing the size of the image, to force the edges off-screen.

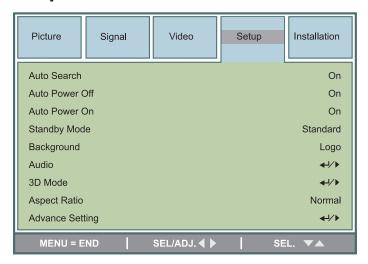
> It is always **On** for the Video and S-Video inputs, and for 480i and 576i signals.

The Video System setting is available only for signals on the Video and S-Video inputs.

The Video Setup setting is available only for 480i signals on the Computer 1. Computer 2 and Component inputs, and NTSC3.58 signals on the Video and S-Video inputs.

Closed Captions are recognised only with NTSC3.58 signals on the Video and S-Video inputs.

Setup menu



Auto Search

- When this is set to **On**, the projector will search for an alternative input source when the current input source is disconnected
- When this is set to **Off**, the projector will show the 'background' screen when the current input source is disconnected.

Auto Power Off

Set this to On, if you want the projector to go into Standby mode when no input source is detected for 20 minutes.

Auto Power On

- Set this to **On**, if you want the projector to start up immediately when the mains is connected.
- Set this to Off, if you want the projector to go into Standby mode when the mains is connected. In this case, the projector will not start up until the POWER button is pressed on the control panel or the remote control.

Standby Mode

• Set this to **Standard** or **Eco** as required.

Notes



See also **Using the Menus**, earlier in this guide and Menu Map, later in this guide.



To set the background screen, see the next page.



When Standby Mode is set to Eco:

the Monitor Out signal is disabled,

and the RS232 connection is disabled, so it will not be possible to turn the projector **On** remotely, except via the LAN connection.

Setup menu continued

Background

Set this to determine what appears on screen when the projector is searching for a valid input source.

Audio

Use the Audio Submenu to turn the speakers **On** and **Off**, and set the **Volume**.

3D Mode

Use the 3D Mode Submenu to turn the **DLPLink** synchronisation signal **On** and **Off**, and to invert the signal if necessary.

Aspect Ratio

- Select from Normal, Full, 4:3, 16:9, and Native, as follows:
 - Normal: the image will be displayed at its intended aspect ratio, filling either the full height or width of the screen as appropriate.
 - Full: the image will fill the height and width of the screen, depending on the resolution of the projector.
 - 4:3: the image will be displayed with a 4:3 aspect ratio, fitting the full height and/or width of the screen, depending on the resolution of the projector.
 - **16:9**: the image will be displayed with a 16:9 aspect ratio, fitting the full height and/or width of the screen, depending on the resolution of the projector.
 - Native: the image will be displayed pixel for pixel with no scaling. This could be smaller than full screen or cropped to full screen, depending on the resolutions of the image and projector.

Notes



To set a background image to be displayed when Custom is chosen, see the Advanced Setting Submenu on the next page.



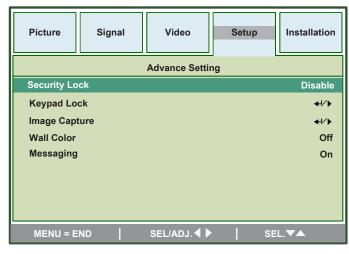
The full height and width of the screen will depend on the projector model. For more information, see the **Specification leaflet**, or the Important Information.



See also **Using the Menus**, earlier in this guide and Menu Map, later in this guide.

Setup menu continued

Advance Setting submenu



Security Lock

- When the Security Lock is enabled, a security Password will need to entered before the projector can be used, or before the lock can be Disabled.
- When setting the lock for the first time, the Password will need to be entered twice, to ensure that it has been entered correctly.

Keypad Lock

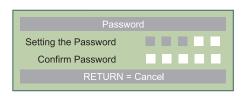
- To **lock** the control panel keys, use or to move the green highlight to **YES** or **NO**, then press **ENTER** to confirm your selection.
- To **unlock** the keys, press \infty and hold for 5 seconds.

Image Capture

- To capture the current screen image for use as the **Custom** background, use **Save Image**. This will take approximately 2 minutes.
- To delete the currently saved image, use **Delete**.

Wall Color

Set this to suit the projection screen.









See also **Using the Menus**, earlier in this guide and Menu Map, later in this guide.

Setup Menu **Advance Setting Submenu**



The Password is made of a combination of five presses on the



Image Capture is available only:

- for Component, Computer 1. Computer 2 and Computer 3 inputs;
- when Aspect Ratio is set to Normal;
- for native resolution images: (1280x800 for E-Vision WXGA, 1024x768 for E-Vision XGA)

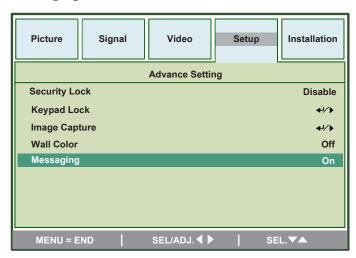


There are two storage locations: one for the 4 segment color wheel and one for 6 segment color wheel.

> If you change wheels you will need to recapture the image. If you change back, the image for the first wheel will still be in memory.

Setup menu Advance Setting submenu continued

Messaging



Set Messaging to Off is you do not want projector status messages to be displayed.

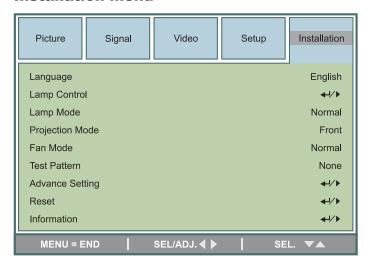
Notes



See also **Using the Menus**, earlier in this guide and **Menu Map**, later in this guide.

Setup Menu Advance Setting Submenu

Installation menu



Language

Select a language as required.

Lamp Control

Set this to Both, Lamp1, Lamp 2 or Auto 1 as required.

Lamp Mode

Set this to Normal or Eco as required.

Projection Mode

• Set this to Front, Rear, Ceiling+Front or Ceiling+Rear as required.

Fan Mode

Set this to **Normal** or **High** speed as required.

Test Pattern

Select a Test Pattern from the list.

Notes



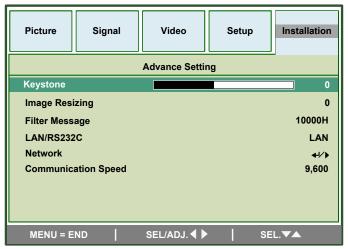
See also **Using the Menus**, earlier in this guide and **Menu Map**, later in this guide.



When Lamp Control is set to Auto 1, the projector will turn on using the lamp with the least hours of use.

Installation menu continued

Advance Setting



Keystone

Set the slider to correct for any vertical keystone distortion.

Image Resizing

Set this to correct for any image distortion when keystone correction is being used.

Filter Message

Select a Filter Message time interval from the list, or select Off.

LAN/RS232C

Select from LAN or RS232C as the remote connection used for external control of the projector.

Communication Speed

Sets the Serial Port (RS232) baud rate. Longer cable connections may require lower speeds.

Notes



See also **Using the Menus**, earlier in this guide and **Menu Map**, later in this guide.

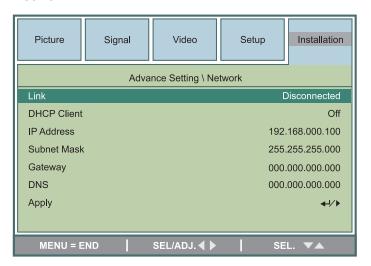
Installation Menu Advance Setting submenu



Only one remote connection can be used at any one time.

Installation menu, Advance Setting submenu continued

Network



Link

For information only: reports whether the projector detects a physical LAN connection. The LAN settings below should be made manually.

DHCP Client

• Set DHCP Client to **On** if the IP Address is to be assigned by a DHCP server, or **Off** if it is to be set here.

IP Address, Subnet Mask, Gateway and DNS

- If DHCP is set to Off:
 - Edit the settings as required.

Apply

- Press **ENTER** to apply the address settings.
- When the warning message appears, use or to move the green highlight to **YES** or **NO**, then press **ENTER** to confirm your selection.



Notes



See also Using the Menus, earlier in this guide and Menu Map, later in this guide.

Installation Menu Advance Setting \ Network submenu

If DHCP is set to On, it will not be possible to edit the address settings. Installation menu continued

Reset

All Reset

- Projector will ask for confirmation before restoring all settings to factory defaults.
- When the warning message appears, use or to select **YES** or **NO**, then press **ENTER/SELECT** to confirm your selection.



Filter Timer Reset

- Projector will ask for confirmation before resetting the timer to zero.
- When the warning message appears, use or to select **YES** or **NO**, then press **ENTER/SELECT** to confirm your selection.



Information

The final submenu gives information about the projector, eg:





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Menu Map

Submenus and controls Menu

PICTURE

Picture Mode Standard, Game, Movie, Presentation

BrilliantColor 0, 1, 2

Brightness

Contrast

Color

Tint

Sharpness

Advanced Setting

Signal Type Auto, RGB, YCrCb, YPrPb

Color Temperature Standard, Cold, Warm

Red

Blue

Color Manager Hue, Saturation and Value settings for: Red, Green, Blue, Cyan, Magenta and Yellow

Film Mode

Noise Reduction Off, Level 1, Level 2, Level 3

Dynamic Black On, Off

Reset Projector will ask for confirmation before restoring all settings in this menu (except Picture Mode and Signal

Type) to factory defaults.

SIGNAL

Horizontal Position

Vertical Position

Phase

Clock

Reset Projector will ask for confirmation before restoring the four settings above to factory defaults.

Resolution Auto, Wide, 4:3

Auto Sync On, Off

Notes



Some of the information in this menu map is summarised. See the actual menu on the projector for full detail.



Some menu options and controls may not be available due to settings in other menus. These will be shaded grey on the actual menu.



Where it would be helpful, some menu options are described in more detail earlier in this operating guide.

INSTALLATION

Menu

Language Select from list

Submenus and controls

Lamp Control Both, Lamp 1, Lamp 2, Auto 1

Lamp Mode Normal, Eco

Projection Mode Front, Rear, Ceiling and Rear, Front and Rear

Fan Mode Normal, High

Test Pattern None, RGB Ramps, Color Bars, Step Bars, Checkboard, Grid, Horizontal Lines, Vertical Lines, Diagonal lines, Horizontal Ramp, Vertical Ramp, White

Advance Setting

Keystone

Image Resizing

Filter Message 100H, 200H, 500H, Off

LAN/RS232C LAN, RS232C

Network Link, DHP Client On/Off, IP Address, Subnet Mask, Gateway, DNS

Communication Speed 38,400, 19,200, 9,600

Apply Projector will ask for confirmation before applying the above changes

Reset

All Reset Projector will ask for confirmation before restoring all settings to factory defaults Filter Timer Reset Projector will ask for confirmation before resetting the timer to zero

Information Input, Signal Info, Lamp 1 Timer, Lamp 2 Timer, Filter Timer, Model Name, Software Version

Notes



Some of the information in this menu map is summarised. See the actual menu on the projector for full detail.



Some menu options and controls may not be available due to settings in other menus. These will be shaded grey on the actual menu.



Where it would be helpful, some menu options are described in more detail earlier in this operating guide.

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PROJECTION REMOTE COMMUNICATIONS GUIDE

E-Vision 7000 Series

High Brightness Digital Video Projector



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Introduction

The projector can be controlled by using an external control system in three different ways:

- All of the projector's features can be controlled via a serial connection, using the control strings described in this guide.
- All of the projector's features can be controlled via a LAN connection, using the industry standard *PJLInk* commands.

For more information about this, see **PJLink** later in this guide.

- A number of basic picture and input settings can be controlled directly using the embedded LAN Control utility.
- For more information about this, see LAN Control Utility later in this guide.

Notes



Details of how to connect to the projector using the LAN or RS232 input, can be found in the Connections Guide.

RS232 Control Commands

There are 2 types of commands, Get commands and Set commands. The individual commands are described later in this guide. All commands consist of ascii text strings ending wit an ascii carriage return character.

Set commands: <header code> S <command> [CR]

Set commands wit data <header code> S <command> <data> [CR]

Get commands: <header code> G <command> [CR]

The projector sends a reply string to each command.

Header code

The header code, comprises the following three ascii characters:

V99 ascii:

56 39 39 hex:

Examples

Set Power On:

ascii: V99 S 0001 [CR] projector return result in ascii: hex: 56 39 39 53 30 30 30 31 0D projector return result in hex: 50

Set brightness to 25:

Ρ V99 S 0101 25 [CR] projector return result in ascii: ascii: hex: 56 39 39 53 30 31 30 31 32 35 0D projector return result in hex: 50

Get brightness (brightness is 18 in this example):

V99 G 0101 [CR] P 18 ascii: projector return result in ascii:

hex: 56 39 39 47 30 31 30 31 0D projector return result in hex: 50 31 38 Notes

Serial port settings:

Baud rate

9,600 bps 8 bits

Data length

Stop bits

one

Parity

none

Flow control

none

The Communication speed (baud rate) can be adjusted. For details, see the Operating Guide.

Spaces are shown in the examples for clarity, but are NOT used in the actual commands or replies.

In the Return Result Strings:

'P' is returned for a successful Set command:

'Pn' is returned for a successful Get command:

'F' is returned for a failed command.

The commands

The commands are divided into five groups, the group number forming the first two characters of the command.

| Ascii | Hex | Function | Description | Return String |
|----------|----------------------------|----------------------|--|---------------|
| V99S0001 | 56 39 39 53 30 30 30 31 0D | Power On | | P/F |
| V99S0002 | 56 39 39 53 30 30 30 32 0D | Power Off | | P/F |
| V99S0003 | 56 39 39 53 30 30 30 33 0D | Resync | | P/F |
| V99G0004 | 56 39 39 47 30 30 30 34 0D | Get Lamp1 Hours | | Pn/F |
| V99G0005 | 56 39 39 47 30 30 30 35 0D | Get Air filter timer | n=0~999999 | Pn/F |
| V99S0006 | 56 39 39 53 30 30 30 36 0D | System Reset | | P/F |
| V99G0007 | 56 39 39 47 30 30 30 37 0D | Get System Status | 0: Reset 1: Standby 2: Operation 3: Cooling | Pn/F |
| V99G0008 | 56 39 39 47 30 30 30 38 0D | Get F/W Version | | Pn/F |
| V99G0010 | 56 39 39 47 30 30 31 30 0D | Get Lamp2 Hours | | Pn/F |

Command Group 01

| Communica Group or | | | | |
|--------------------|------------------------------|----------------|-------------|---------------|
| Ascii | Hex | Function | Description | Return String |
| V99G0101 | 56 39 39 47 30 31 30 31 0D | Get Brightness | n= -30~30 | Pn/F |
| V99S0101n | 56 39 39 53 30 31 30 31 n 0D | Set Brightness | n= -30~30 | P/F |
| V99G0102 | 56 39 39 47 30 31 30 32 0D | Get Contrast | n= -30~30 | Pn/F |
| V99S0102n | 56 39 39 53 30 31 30 32 n 0D | Set Contrast | n= -30~30 | P/F |
| V99G0103 | 56 39 39 47 30 31 30 33 0D | Get Color | n= -30~30 | Pn/F |
| V99S0103n | 56 39 39 53 30 31 30 33 n 0D | Set Color | n= -30~30 | P/F |
| V99G0104 | 56 39 39 47 30 31 30 34 0D | Get Tint | n= -30~30 | Pn/F |
| V99S0104n | 56 39 39 53 30 31 30 34 n 0D | Set Tint | n= -30~30 | P/F |
| V99G0105 | 56 39 39 47 30 31 30 35 0D | Get Sharpness | n= -30~30 | Pn/F |
| V99S0105n | 56 39 39 53 30 31 30 35 n 0D | Set Sharpness | n= -30~30 | P/F |

Continued

Notes

Note: spaces are shown in the examples for clarity, but are NOT used in the actual commands or replies.

In the Ascii column, the final [CR] has been omitted for clarity.

In the Command Strings and the Return Results, 'n' represents a data string.

In the Return Result Strings:

'P' is returned for a successful Set command:

'Pn' is returned for a successful Get command:

'F' is returned for a failed command.

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| ASCII | HEX | Function | Description | Return String | Notes |
|-----------|------------------------------|--------------------------|--|---------------|---|
| V99G0106 | 56 39 39 47 30 31 30 36 0D | Get Color Temperature | 0: Warm 1: Standard 2: Cold | Pn/F | |
| V99S0106n | 56 39 39 53 30 31 30 36 n 0D | Set Color Temperature | 0: Warm 1: Standard 2: Cold | P/F | Note: spaces are shown in the examples for clarity, but are NOT used in the actual commands or replies. |
| Command G | roup 02 | | | | repiles. |
| ASCII | HEX | Function | Description | Return String | In the Ascii column, the final [CR] |
| V99S0201 | 56 39 39 53 30 32 30 31 0D | Select RGB | | P/F | has been omitted for clarity. |
| V99S0202 | 56 39 39 53 30 32 30 32 0D | Select BNC | | P/F | |
| V99S0203 | 56 39 39 53 30 32 30 33 0D | Select Component | | P/F | |
| V99S0204 | 56 39 39 53 30 32 30 34 0D | Select Video | | P/F | In the Command Strings and the |
| V99S0205 | 56 39 39 53 30 32 30 35 0D | Select S-Video | | P/F | Return Results, 'n' represents a |
| V99S0206 | 56 39 39 53 30 32 30 36 0D | Select DVI | | P/F | data string. |
| V99G0220 | 56 39 39 47 30 32 32 30 0D | Get Current Source | 0: RGB 1: BNC 2: Component 3: Video 4: S-Video 5: DVI | Pn/F | In the Return Result Strings: 'P' is returned for a successful Set command; 'Pn' is returned for a successful Get |
| Command G | roup 03 | | | | command; 'F' is returned for a failed command. |
| ASCII | HEX | Function | Description | Return String | |
| V99G0301 | 56 39 39 47 30 33 30 31 0D | Get Scaling | 0: Normal 1: Full 2: 4: 3 3: 16: 9 | Pn/F | |

4: Native

1: Full 2: 4: 3 3: 16:9 4: Native

0: Normal

Set Scaling

Continued

P/F

V99S0301n

56 39 39 53 30 33 30 31 n 0D

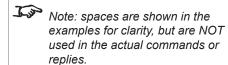
| ASCII | HEX | Function | Description | Return String |
|-----------|------------------------------|--------------------------|---------------------------------------|---------------|
| V99G0302 | 56 39 39 47 30 33 30 32 0D | Get AV Mute | Get AV Mute | |
| V99S0302n | 56 39 39 53 30 33 30 32 n 0D | Set AV Mute | P/F | |
| V99G0304 | 56 39 39 47 30 33 30 34 0D | Get Image Freeze | | Pn/F |
| V99S0304n | 56 39 39 53 30 33 30 34 n 0D | Set Image Freeze | | P/F |
| V99G0305 | 56 39 39 47 30 33 30 35 0D | Get Volume | n= 0~60 | Pn/F |
| V99S0305n | 56 39 39 53 30 33 30 35 n 0D | Set Volume | Set Volume n= 0~60 | |
| V99G0308 | 56 39 39 47 30 33 30 38 0D | Get Projection Mode | · · · · · · · · · · · · · · · · · · · | |
| V99S0308n | 56 39 39 53 30 33 30 38 n 0D | Set Projection Mode | 1 1 | |
| V99G0309 | 56 39 39 47 30 33 30 39 0D | Get Vertical Keystone | | |
| V99S0309n | 56 39 39 53 30 33 30 39 n 0D | Set Vertical Keystone | n= -80~80 | P/F |

Command Group 04 (Remote Control buttons)

| ASCII | HEX | Function | Description | Return String |
|----------|----------------------------|--------------|-------------|---------------|
| V99S0401 | 56 39 39 53 30 34 30 31 0D | ON | | P/F |
| V99S0402 | 56 39 39 53 30 34 30 32 0D | OFF | | P/F |
| V99S0403 | 56 39 39 53 30 34 30 33 0D | Focus+ | | P/F |
| V99S0404 | 56 39 39 53 30 34 30 34 0D | Focus- | | P/F |
| V99S0405 | 56 39 39 53 30 34 30 35 0D | Zoom + | | P/F |
| V99S0406 | 56 39 39 53 30 34 30 36 0D | Zoom - | | P/F |
| V99S0407 | 56 39 39 53 30 34 30 37 0D | TEST Pattern | | P/F |
| V99S0408 | 56 39 39 53 30 34 30 38 0D | LENS SHIFT | | P/F |
| V99S0409 | 56 39 39 53 30 34 30 39 0D | UP | | P/F |
| V99S0410 | 56 39 39 53 30 34 31 30 0D | DOWN | | P/F |

Continued

Notes



In the Ascii column, the final [CR] has been omitted for clarity.

In the Command Strings and the Return Results, 'n' represents a data string.

In the Return Result Strings:

'P' is returned for a successful Set command;

'Pn' is returned for a successful Get command;

'F' is returned for a failed command.

When Standby Mode is set to Eco:

the RS232 connection is disabled, so it will not be possible to turn the projector **On** remotely, except via the LAN connection.

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| ASCII | HEX | Function | Description | Return String |
|----------|----------------------------|-----------|-------------|---------------|
| V99S0411 | 56 39 39 53 30 34 31 31 0D | LEFT | | P/F |
| V99S0412 | 56 39 39 53 30 34 31 32 0D | RIGHT | | P/F |
| V99S0413 | 56 39 39 53 30 34 31 33 0D | ENTER | | P/F |
| V99S0414 | 56 39 39 53 30 34 31 34 0D | MENU | | P/F |
| V99S0415 | 56 39 39 53 30 34 31 35 0D | RETURN | | P/F |
| V99S0416 | 56 39 39 53 30 34 31 36 0D | INPUT | | P/F |
| V99S0417 | 56 39 39 53 30 34 31 37 0D | PICTURE | | P/F |
| V99S0418 | 56 39 39 53 30 34 31 38 0D | AVMUTE | | P/F |
| V99S0419 | 56 39 39 53 30 34 31 39 0D | AUTO SYNC | | P/F |
| V99S0420 | 56 39 39 53 30 34 32 30 0D | ASPECT | | P/F |
| V99S0421 | 56 39 39 53 30 34 32 31 0D | VOL+ | | P/F |
| V99S0422 | 56 39 39 53 30 34 32 32 0D | VOL- | | P/F |
| V99S0423 | 56 39 39 53 30 34 32 33 0D | OVERSCAN | | P/F |
| V99S0424 | 56 39 39 53 30 34 32 34 0D | FREEZE | | P/F |
| V99S0425 | 56 39 39 53 30 34 32 35 0D | 3D MODE | | P/F |
| V99S0426 | 56 39 39 53 30 34 32 36 0D | INFO. | | P/F |

Notes

Note: spaces are shown in the examples for clarity, but are NOT used in the actual commands or replies.

In the Ascii column, the final [CR] has been omitted for clarity.

In the Command Strings and the Return Results, 'n' represents a data string.

In the Return Result Strings:

'P' is returned for a successful Set command;

'Pn' is returned for a successful Get command;

'F' is returned for a failed command.

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PJLink

The *LAN IP Address* of the projector can be set by using the *Network* submenu, which can be found in the *Advanced Setting* submenu in the *Installation* menu.

Once the LAN IP Address has been set, it is possible to assign a *Host Name* and *Domain Name* to the projector, and to set up an *Alert Mail* address and *PJLink* password:

- Point your browser at the projector by typing the url http://<LAN IP Address>/lanconf.html into the address bar, then press the Enter key.
- The embedded webpage shown here should appear.

Settings

Host Name

Up to 60 alpha-numeric characters can be entered. Press the **Apply** button to confirm the new name.

Domain Name

Up to 60 alpha-numeric characters. Press the **Apply** button to confirm the new name.

Mail

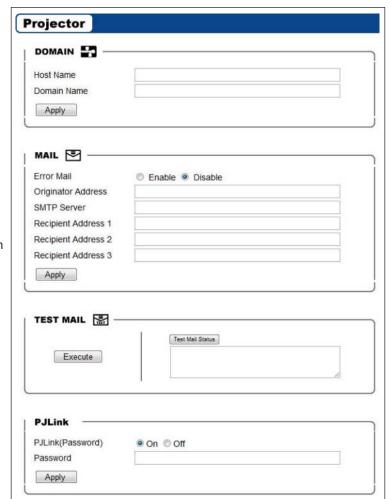
When enabled, an email will be sent to up to three specified addresses, when the lamp reaches the end of its useable life, or if an error occurs on the projector. Press the **Apply** button to confirm the new settings.

A test mail can be sent to check that the settings have been made correctly. Press the **Execute** button to send the test message.

PJLink

When enabled, a password can be set. Press the **Apply** button to confirm the new password.

The projector supports all the commands of PJLink Class 1.





LAN Control Utility

The LAN IP Address of the projector can be set by using the Network submenu, which can be found in the Advanced Setting submenu in the Installation menu.

Once the LAN IP Address has been set, it is possible to control some basic functions by using the emedding LAN Control Utility:

- Point your browser at the projector by typing the url http://<LAN IP Address>/index.html into the address bar, then press the Enter key.
- The embedded webpage shown here should appear.

Power ON/STANDBY

Click on the buttons to turn the projector **On** or into **Standby** mode.

Picture and Volume controls

Click on the \bigwedge and \bigvee controls to adjust the settings as required.

Input Select

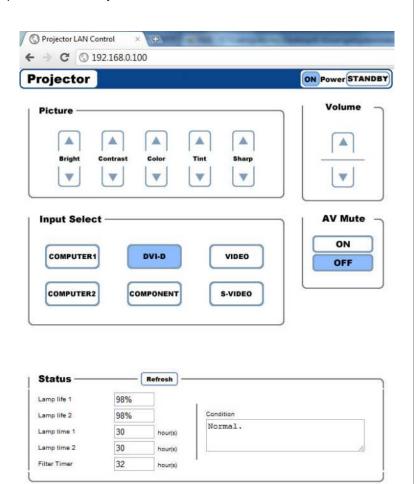
Click on the **Input** buttons to switch to the required input.

AV Mute

Click to switch both video and sound On or Off.

Status

The panel shows the status of the lamps and filters. Click on the Refresh button to update the readings.







For full details of how to use the menu system, see the Operating Guide.



The lamp life percentage shown here is based on expected lamp life in controlled laboratory conditions.

Actual life may vary depending on installation environment, orientation and lamp mode (Normal or Eco)."