UPDATE

5/19/02

This package provides a new multimedia projector product section to be added to the
EPSON® Product Information Guide. The table of contents of this section is listed below.

EPSON PowerLite® S1

TABLE OF CONTENTS

- Projector Parts ................................................................. EPSON PowerLite S1 - 1
- Projector Specifications .................................................. EPSON PowerLite S1 - 1
- Positioning the Projector .................................................. EPSON PowerLite S1 - 3
- Turning the Projector On and Off ..................................... EPSON PowerLite S1 - 4
- Troubleshooting .............................................................. EPSON PowerLite S1 - 5
- Switching Between Picture Sources .................................. EPSON PowerLite S1 - 6
- Adjusting the Image .......................................................... EPSON PowerLite S1 - 6
- Selecting the Color Mode .................................................. EPSON PowerLite S1 - 8
- Using the Automatic Setup ............................................... EPSON PowerLite S1 - 8
- Selecting the Aspect Ratio ................................................ EPSON PowerLite S1 - 8
- Turning Off the Picture and Sound .................................... EPSON PowerLite S1 - 8
- Freezing the Action ........................................................... EPSON PowerLite S1 - 8
- Projector Status Lights ..................................................... EPSON PowerLite S1 - 9
- Using the Remote Control ................................................. EPSON PowerLite S1 - 9
- Using the Menus ............................................................. EPSON PowerLite S1 - 10
- Using the Presentation Remote .......................................... EPSON PowerLite S1 - 10
- Replacing Remote Control Batteries ............................... EPSON PowerLite S1 - 11
- Cleaning the Lens ............................................................ EPSON PowerLite S1 - 11
- Cleaning the Projector Case .............................................. EPSON PowerLite S1 - 11
- Cleaning the Air Filter ...................................................... EPSON PowerLite S1 - 11
- Replacing the Air Filter ..................................................... EPSON PowerLite S1 - 12
- Replacing the Lamp .......................................................... EPSON PowerLite S1 - 12
- Optional Accessories ...................................................... EPSON PowerLite S1 - 14
- Related Documentation .................................................. EPSON PowerLite S1 - 14
**Projector Parts**

- Focus ring
- Control panel
- Speaker
- Lens cover
- Infrared receiver for remote control
- Handle
- Foot button
- Ventilation outlet
- Infrared receiver for remote control
- Control panel
- Focus ring
- Speaker
- Lens cover
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- Control panel
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- Control panel
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- Ventilation outlet
- Infrared receiver for remote control
- Control panel
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- Infrared receiver for remote control
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- Infrared receiver for remote control
- Control panel
- Focus ring
- Speaker
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- Infrared receiver for remote control
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- Ventilation outlet
- Infrared receiver for remote control
- Control panel
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- Speaker
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- Infrared receiver for remote control
- Handle
- Foot button

**Projector Specifications**

### General
- **Type of display**: Poly-silicon Thin Film Transistor (TFT) active matrix with Micro Lens Array
- **Size of liquid crystal panels**: Diagonal: 0.5 inches (12.5 mm) × 3
- **Lens**: F=1.4 mm, f=16.6 mm
- **Focus adjustment**: Manual
- **Zoom ratio**: Digital 1.0 to 1.2, lens at maximum size
- **Resolution**: 800 × 600 pixels (native format)
- **Number of pixels**: 480,000 × 3
- **Brightness**: 1200 ANSI lumens
- **Contrast ratio**: 400:1
- **EPSON Control Code**: ESC/VP 21 (available online)
- **Image size (diagonal)**: 30 to 300 inches (0.9 to 11.3 m)
- **Projection distance**: 2.9 to 30 ft (0.9 to 9.0 m), Wide mode
  3.5 to 37 ft (1.1 to 11.3 m), Tele mode
- **Projection methods**: Front, rear, upside-down (ceiling mount)
- **Sound output**: 1W monaural
- **Optical aspect ratio**: 4:3 (horizontal : vertical), adjustable to 16:9 for HDTV, NTSC, PAL, and SECAM images
- **Keystone correction angle**: ±15° vertical
- **Keystone correction ratio**: 9.6:1
- **Supported video interface standards**: NTSC, NTSC4.43, PAL, PAL-M, PAL-N, PAL60, SECAM

### Projection Lamp
- **Type**: UHE (Ultra High Efficiency)
- **Power consumption**: 132W
- **Lamp life**: About 2000 hours
- **Part number**: V13H010125

### Remote Controls
- **Range**: 20 feet (6 meters)
- **Battery**: Lithium (CR2025)
Dimensions
Height 4.2 inches (106 mm)
Width 14.6 inches (370 mm)
Depth 10.4 inches (265 mm)
Weight approximately 7 lb (3.2 kg)

Electrical
Rated frequency 50/60 Hz
Power supply 100 to 120 V model: 100 to 120 VAC, 2.7 A
200 to 240 V model: 200 to 240 VAC, 1.3 A
Power consumption Operating: 180W
Standby: 5W

Environmental
Temperature
(non-condensing) Operating: 41 to 95° F (5 to 35° C),
Storage: 14 to 140° F (–10 to 60° C)

Safety
United States FCC Part 15J Class B
UL1950 Rev. 3
Canada DOC SOR/88-475
CSA C22.2 No. 950-95 (cUL)
CE Marking Directive 73/23/EEC
EN 60950
Directive 89/336/EEC
EN 55022 Class B
EN 55024

Compatible Video Formats
The projector supports the video formats listed in the following tables. To project computer images, the computer’s video card must be set at a refresh rate that’s compatible with the projector. See your computer documentation for details.

Computer
<table>
<thead>
<tr>
<th>Signal</th>
<th>Refresh Rate (Hz)</th>
<th>Resolution (dots)</th>
<th>Resized display resolution (dots)</th>
</tr>
</thead>
<tbody>
<tr>
<td>VGA</td>
<td>60</td>
<td>640 x 480</td>
<td>800 x 600</td>
</tr>
<tr>
<td>VGAEGA</td>
<td>70</td>
<td>640 x 350</td>
<td>800 x 438</td>
</tr>
<tr>
<td>VESA</td>
<td>72 / 75 / 85, iMac*</td>
<td>640 x 480</td>
<td>800 x 600</td>
</tr>
<tr>
<td>SVGA</td>
<td>56 / 60 / 72 / 75 / 85, iMac*</td>
<td>800 x 600</td>
<td>800 x 600</td>
</tr>
<tr>
<td>XGA</td>
<td>43 / 60 / 70 / 75 / 85, iMac*</td>
<td>1024 x 768</td>
<td>800 x 600</td>
</tr>
<tr>
<td>MAC13&quot;</td>
<td>67</td>
<td>640 x 480</td>
<td>800 x 600</td>
</tr>
<tr>
<td>MAC16&quot;</td>
<td>75</td>
<td>832 x 624</td>
<td>800 x 600</td>
</tr>
<tr>
<td>MAC19&quot;</td>
<td>75</td>
<td>1024 x 768</td>
<td>800 x 600</td>
</tr>
<tr>
<td>MAC21&quot;</td>
<td>75</td>
<td>1152 x 870</td>
<td>794 x 600</td>
</tr>
<tr>
<td>SDTV (480i)</td>
<td>60</td>
<td>640 x 480</td>
<td>800 x 600</td>
</tr>
<tr>
<td>SDTV (480p)</td>
<td>60</td>
<td>640 x 480</td>
<td>800 x 600</td>
</tr>
<tr>
<td>HDTV (720p)</td>
<td>60</td>
<td>1280 x 720</td>
<td>800 x 450</td>
</tr>
<tr>
<td>HDTV (1080i)</td>
<td>60</td>
<td>1920 x 1080</td>
<td>800 x 450</td>
</tr>
</tbody>
</table>

* Connection is not possible if the equipment does not have a VGA output port.

Component Video
<table>
<thead>
<tr>
<th>Signal</th>
<th>Refresh Rate (Hz)</th>
<th>Resolutions (dots)</th>
<th>Aspect ratio 4:3</th>
<th>Aspect ratio 16:9</th>
</tr>
</thead>
<tbody>
<tr>
<td>SDTV (480i)(D1)</td>
<td>60</td>
<td>800 x 600</td>
<td>800 x 450</td>
<td></td>
</tr>
<tr>
<td>SDTV (625i)</td>
<td>50</td>
<td>800 x 600</td>
<td>800 x 450</td>
<td></td>
</tr>
<tr>
<td>SDTV (525p)(D2)</td>
<td>60</td>
<td>800 x 600</td>
<td>800 x 450</td>
<td></td>
</tr>
<tr>
<td>HDTV (720p) 16:9 (D4)</td>
<td>60</td>
<td>800 x 600</td>
<td>800 x 450</td>
<td></td>
</tr>
<tr>
<td>HDTV (1080i) 16:9 (D3)</td>
<td>60</td>
<td>800 x 600</td>
<td>800 x 450</td>
<td></td>
</tr>
</tbody>
</table>

Composite Video/S-Video
<table>
<thead>
<tr>
<th>Signal</th>
<th>Resolutions (dots)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Aspect ratio 4:3</td>
</tr>
<tr>
<td>TV (NTSC)</td>
<td>800 x 600</td>
</tr>
<tr>
<td>TV (PAL, SECAM)</td>
<td>800 x 600</td>
</tr>
</tbody>
</table>

It may be possible to project signals which are not listed above. However, not all functions may be supported with such signals.
Positioning the Projector

Follow these guidelines to get the best results when projecting:

- Place the projector on a sturdy, level surface, between 3 and 37 feet from the screen.
- Make sure there is plenty of space for ventilation around and under the projector.
- Make sure the projector is within 10 feet of a grounded electrical outlet or extension cord and within 5 feet of the image source.
- Face the projector squarely toward the screen.

The projector supports 4 viewing setups, as shown below. If it is installed in a rear or overhead position, you need to select the correct projection option from the Setting menu after you turn it on.

- **Table**
  Convenient for temporary front projection. Choose Front from the menu.

- **Ceiling**
  Professional installation recommended. Choose Front/Ceiling from the menu.

- **Rear**
  For permanent installation behind a translucent screen. Choose Rear from the menu.

- **Rear/Ceiling**
  Professional installation behind a translucent screen recommended. Choose Rear/Ceiling from the menu.

If the projector is tilted in the front or the back, you may need to adjust the image shape. See page 7.

Image Size and Projection Distance

The distance between the projector and the screen determines the basic size of the projected image, as shown below. Because other adjustments—such as those made with the Aspect and Keystone buttons—also affect the size of the image, the numbers shown in the illustration should be considered for general guidelines, not exact measurements.

Use the formulas given below to either find out how large your image will be when you know the distance from the projector to the screen, or to find out how far from the screen to place the projector when you want an image of a certain size. Since the size of the image can be changed by rotating the zoom ring, formulas are given for both the minimum and maximum sizes.

To determine the diagonal size of an image when you know the projection distance:

- Maximum diagonal size = \((0.8488 \times \text{projection distance}) + 0.90242\)
- Minimum diagonal size = \(((0.8488 \times \text{projection distance}) + 0.90242) \times 0.8071\)

To determine the projection distance when you know the diagonal size of the screen image:

- Maximum projection distance = \((\text{diagonal size} \times 2.9924) - 2.7004/2.54\)
- Minimum projection distance = \(((\text{diagonal size} \times 2.9924) - 2.7004/2.54)/0.8071\)
Turning the Projector On and Off

Once you’ve connected the projector to your computer or other equipment follow these instructions to turn it on and display an image:

1. Make sure the power is turned off for the projector and any sources connected to it.
2. Remove the lens cover.
3. Connect the power cord to the projector and plug the other end into a grounded electrical outlet.

The Power light on the projector turns orange, indicating that the projector is receiving power, but is not yet turned on.

4. If you are connecting to a device other than a computer, turn on your equipment. (If you are connecting to a computer, don’t turn it on yet.)

5. Press the Power button on the remote control or the top of the projector to turn on the projector.

You hear a beep, the Power light flashes green as the projector warms up, and the projection lamp comes on in about 6 seconds.

Note: You may see a blue screen with the No Signal message displayed. This is normal.

6. If you are using a computer, turn it on now.

7. Start your video or presentation. If you have connected more than one video or computer source, you may need to press the Computer or S-Video/Video button on the remote control or the Source button on the projector to select the one you want to watch. (See “Switching Between Picture Sources” on page 6 for more information.)

If the image is upside-down or reversed, you need to turn on the Rear, Ceiling, or Rear/Ceiling option in the Setting menu.

If a projected image fails to appear, see the following section, “Troubleshooting.”

Once you see your image, see page 6 for instructions on focusing and making other image adjustments.

Turning Off the Projector

When you’re ready to shut down the projector, follow these steps:

1. Turn off any video or computer sources connected to the projector first.
2. Press the Power button on the projector or remote control to turn off the projector.

You see a confirmation message: If you don’t want to turn it off, press any button or ignore the message. (It disappears in about 7 seconds.)
3. Press the \textcircled{P} Power button again. The lamp is turned off and the \textcircled{P} Power light flashes orange as the projector cools down. When the projector has cooled, the \textcircled{P} Power light stays orange and the exhaust fan shuts off.  
   \textit{Note:} If you want to turn the projector on again, wait until the orange light stops flashing. Then press the \textcircled{P} Power button.

4. Unplug the power cord from the electrical outlet.  
   \textit{Caution:} Do not disconnect the power cord while the power light is flashing orange because it may cause problems with the projector.

5. Replace the lens cover.

### Troubleshooting

#### If you see a blank screen

If you see a blank screen or the \textbf{No Signal} message, check the following:

- Make sure the \textcircled{P} power light on the projector is green and not flashing and the lens cover is off.
- Try turning off the notebook and restarting it.
- If you’ve connected more than one computer and/or video source, you may need to press the \textbf{Source} button on top of the projector to select your video source. (Allow a few seconds for the projector to sync up after pressing it.)
- If you’re using Windows®, hold down the \textbf{Fn} key and press the function key that lets you display on an external monitor. It may have an icon such as \textcircled{CRT}, or it may be labelled CRT/LCD. (Allow a few seconds for the projector to sync up after pressing it.)

#### If the projector and notebook don’t display the same image

**If you’re using a Windows notebook:**

- On most systems, the \textcircled{CRT} or CRT/LCD key lets you toggle between the LCD screen and the projector, or display on both at the same time.
- You might need to use the Display utility in the Control Panel to enable both the LCD screen and external monitor port. Check your notebook’s manual or online help for details.
- If you have dual monitor support, you may need to uncheck the option to extend your Windows desktop in the Display Properties.

**If you’re using a Macintosh® PowerBook® with Mac OS® X:**

1. Select \textbf{System Preferences} from the Apple® menu and click \textbf{Displays}.
2. Click \textbf{Detect Displays}.
3. To display the entire desktop on both your projector screen and LCD screen, click the \textbf{Arrangement} or \textbf{Arrange} tab. (If you don’t see this tab, make sure it is not hidden by another window on your screen.)
4. Click \textbf{Mirror Displays} in the lower corner of the screen. One of the monitor icons automatically moves on top of the other.

**If you’re using a Macintosh PowerBook with Mac OS 9.x or earlier:**

1. From the Apple menu, select \textbf{Control Panels}, then click \textbf{Monitors and Sound}.
2. Click the Arrange icon, and then drag one monitor icon on top of the other.

Note: If the Arrange option isn’t available, you may need to select one of the Simulscan resolution settings. Click the Monitor icon and then select a Simulscan resolution from the ones in the Resolution box. (Allow a few seconds for the projector to sync up after making the selection.)

**Switching Between Picture Sources**

You can connect the projector to multiple video sources simultaneously. Then you use the buttons on the projector or remote control to switch between them:

- Press the Source button on the projector to switch between computer or component video, S-video, and composite video sources.
- On the remote control, press the Computer button to select a computer or component video source. Press the Video/S-Video button to select a composite or S-Video source.

After you select a source, the screen goes dark for a moment before the image appears. The name of the source appears briefly on the screen.

---

**Adjusting the Image**

The following sections describe how to adjust the image once it is displayed.

**Adjusting the Height of the Image**

The projector should be as perpendicular to the screen as possible. If the image is too low, you can raise it by extending the projector’s front feet.

1. Stand behind the projector. Press the foot release buttons and lift the front of the projector. This unlocks the feet.

2. Once the image is positioned where you want it, release the buttons to lock the feet in place.

3. If you need to straighten the image, rotate the feet to raise or lower the sides.

If the image is no longer square after raising it, see page 7.

**Focusing the Image**

Rotate the focus ring to sharpen the image.

Note:

*If a computer image is still out of focus, you can increase the clarity by pressing the Auto button on the remote control. See page 8.*
**Adjusting the Image Size**

You can adjust your image size using the zoom button on the projector, or zoom into a portion of the image using the E-Zoom button on the remote control.

**Using the Zoom Button**

To enlarge or reduce your image size in small increments, press the Wide button to enlarge the image or press the Tele button to reduce it.

*Note:*
You can always move the projector closer to or farther from the screen to adjust the image size.

**Using the E-Zoom Button**

The image is enlarged or reduced.

1. Press the E-Zoom button on the remote control.
   A target scope is displayed on the screen.

2. Press the [▲][▼][◄][►] buttons to move the target scope to the center of the part you wish to enlarge/reduce.

3. Push E-Zoom to enlarge the image. Push E-Zoom to reduce the enlarged image.

   ![target scope](image)

   ![enlargement ratio](image)

   - **E-Zoom**: Enlarges part of the image without changing the size of the projection area.
   - **E-Zoom**: Reduces the part of the image that has been enlarged using the button.
   - You can scroll with the [▲][▼][◄][►] buttons. Press Esc to cancel.

**Adjusting the Image Shape**

When the projector is raised in the front or back, the display distorts in the shape of a trapezoid.

*Note:*
You can correct only vertical distortion with this function. Horizontal distortion cannot be corrected.

Press the [▲] or [▼] buttons to correct the distortion.

![target scope](image)

*Note:*
Screen size changes when keystone correction is performed. If the images become uneven in appearance after keystone correction is performed, decrease the sharpness setting.

Images can be corrected without distortion when the projector is tilted to a maximum of ±15°

**Adjusting the Image Quality**

You may need to adjust the projector’s Tracking and Sync settings on the Image menu if your computer image has any of these quality problems:

- Flashing or blurry image
- Vertical or horizontal stripes
- Only a portion of the image is displayed

See the User’s Guide for more information.

*Note:*
You can also increase computer image clarity by pressing the Auto button on the remote control to optimize the tracking, sync, and position settings. Turn off E-Zoom and A/VMute before using the Auto button.
Selecting the Color Mode

There are five color modes available. Make a selection appropriate for the conditions in which you are projecting.

- **Dynamic**
  Images are modulated and made crisper to emphasize brightness.

- **Presentation**
  Brightness is emphasized. For presentations in bright rooms.

- **Theatre**
  Best for watching movies in their natural tones.

- **Living Room**
  Brightness is emphasized. Ideal for playing video games in bright rooms.

- **sRGB**
  Conforms to the sRGB color standard. If the connected source has an sRGB mode, set both the projector and the connected source to sRGB.

The color mode changes each time you press the Color Mode button on the remote control.

Dynamic → Presentation → Theatre → Living Room → sRGB

**Default Value**

- Computer input: Presentation
- Other input: Dynamic

*Note: You can also change the color mode through the Image menu.*

Using the Automatic Setup

If you are projecting from a computer, the projector automatically adjusts the input signals to produce the best image quality. Automatic setup adjusts the Tracking, Sync, and other image settings.

However, if Auto Setup in the Image menu is set to OFF, you need to press the Auto button on the remote control while projecting from a computer to have the projector make the adjustments.

Sometimes the signals may not be adjusted correctly, depending on the type of signals being output by the computer. In such cases, use the Image menu to adjust the tracking and sync settings manually.

Selecting the Aspect Ratio

The aspect ratio is the ratio between an image’s width and its height. Standard images have an aspect ratio of 4:3 and HDTV and DVD images have an aspect ratio of 16:9. If your video source is 16:9, you can change the aspect ratio to view the video in 16:9 wide-screen format.

Press the Aspect button on the remote control to change the aspect ratio.

Turning Off the Picture and Sound

Press the A/V Mute button on the remote control to darken your screen and turn off the sound. When you’re ready to resume, press A/V Mute again.

If you press the button while projecting from a video source, and you don’t pause the video, it continues to play even though you can’t see or hear it. When you press the A/V Mute button again to resume, the playback does not resume at the exact point you paused it.

*Note: You can make the blank screen blue, instead of black, whenever you press the A/V Mute button by selecting it as the background color in the Setting menu.*

Freezing the Action

Press the Freeze button on the remote control to temporarily freeze the action on the screen. This freezes any moving images on the screen until you press the Freeze button again.

Like the A/V Mute feature, if you are projecting a video, the video and audio continue while the projected image is paused, so when you press the Freeze button again to resume, the playback does not resume where you stopped it.
**Projector Status Lights**

If your projector isn’t working correctly, first turn it off, wait for it to cool, and unplug it. Then plug the power cord back in and turn on the projector. If this doesn’t solve the problem, check the lights on top of the projector. They alert you to problems with projector operations.

<table>
<thead>
<tr>
<th>Light</th>
<th>Status</th>
<th>Description and action</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>off</td>
<td>The projector is unplugged. If you want to turn it on, make sure the power cable is connected securely at both ends, then press the Power button to turn on the projector.</td>
</tr>
<tr>
<td></td>
<td>orange</td>
<td>The projector is in sleep (or standby) mode. You can unplug it to turn it off or press the Power button to turn it on.</td>
</tr>
<tr>
<td></td>
<td>flashing green</td>
<td>The projector is warming up. Warming up takes about 35 seconds (the EPSON logo appears after approximately 6 seconds). When warming up is complete, the indicator changes to steady green.</td>
</tr>
<tr>
<td></td>
<td>green</td>
<td>The projector is operating normally.</td>
</tr>
<tr>
<td></td>
<td>flashing orange</td>
<td>The projector lamp is off and the projector is cooling down. Wait until the light stops flashing. (The cool-down period lasts about 20 seconds.) Then, if you want to turn it off, unplug it. If you want to turn it on, press the Power button. (You can’t turn the projector on, and you should never unplug it, when the light is flashing orange.)</td>
</tr>
<tr>
<td></td>
<td>red</td>
<td>The projector is too hot and the lamp has turned off. Wait 5 minutes, then unplug it and make sure nothing is blocking the projector’s air filter. If it continues to overheat, clean the air filter; see page 11 for instructions.</td>
</tr>
<tr>
<td></td>
<td>flashing red at 0.5-second intervals</td>
<td>The lamp cover is not closed securely or the lamp is broken or has burned out. Secure the lamp cover or replace the lamp; see page 12 for instructions.</td>
</tr>
<tr>
<td></td>
<td>flashing orange</td>
<td>The projector lamp has turned off automatically because the projector has overheated. Let it cool for a few minutes, then turn it back on. Make sure nothing is blocking the air filter. If it continues to overheat, clean the air filter; see page 11 for instructions.</td>
</tr>
<tr>
<td></td>
<td>flashing red at 1-second intervals</td>
<td>There is an internal problem with the projector. Unplug it from the electrical outlet and contact EPSON for help.</td>
</tr>
</tbody>
</table>

**Using the Remote Control**

The remote control uses a line-of-sight infrared signal. It lets you access the projector’s features from anywhere in the room—up to 20 feet away. (This distance may be shorter if the remote control batteries are low.)

The projector may not respond to remote control commands in these conditions:

- You are too far away—not within 20 feet (6 meters)—or not within 30° to the left or right of the front or rear sensor or 15° above or below it
- The battery is weak or not installed correctly
- Ambient light is too bright
- A fluorescent light is shining into the infrared receiver
- A strong light source (such as direct sunlight) shines into the infrared receiver
- Other equipment emitting infrared energy is present (such as a radiant room heater)
Using the Menus

The on-screen menus let you adjust and customize the projector features from the remote control:

- **Image** controls the look and quality of the projected image (from a computer or video source).
- **Setting** adjusts features such as the keystone setting, blank screen color, sleep mode, and rear or ceiling projection.
- **Info** provides information about the current projector and lamp settings.
- **Reset** restores the factory defaults to all the projector settings and lets you reset the lamp timer when you’ve replaced the projector’s lamp.

Changing Menu Settings

You use the Menu, ←, and Esc buttons on the remote control to change menu settings.

1. Press the Menu button. The top configuration menu is displayed.
2. Press the ▲ or ▼ buttons to select the Top Menu item.
3. Press the ← button. Sub Menu 1 is displayed.
4. Press the ▲ or ▼ buttons to select the Sub Menu 1 items, then press the ← button.
5. For Sub Menu 2, press the ▲ or ▼ buttons in the same way, then press the ← button.
6. Settings can be changed in the following ways:
   - Press the ↓ or ► buttons to change the setting values.
   - Press the ▲ or ▼ buttons to select the menu item. Then press the ← button.
     The current setting has a green dot by the name and the current menu selection is highlighted in orange.
     Press the ← button to confirm the selection.
   - Press the ▲ or ▼ buttons to select the value. Then, press the ← button.
   - Press the ▲ ▼ ◄ ► buttons to move the image display position.
7. Set other items in the same way.
   - Press the Esc button to return to the previous item or menu, or select Return.
8. Press the Menu button to finish.

Note: The  mark is displayed after items which perform a setting or lead to a sub menu.

Using the Presentation Remote

Operate the presentation remote control by aiming it at the presentation remote receiver.

When using the Freeze or A/V Mute functions, aim the presentation remote control towards the infrared receiver on the projector.

Press to scroll back and forth through pages when projecting a presentation

To move the mouse pointer, move in any of the following directions: up, down, left, right, diagonally

Acts as a left-click
Double click: push twice
Drag and drop: press and hold and move the mouse pointer

Acts as a right-click
Temporarily turns off/on the audio and video

Note: If the mouse button settings are reversed on the computer, the operation of the remote control buttons will also be reversed.

You can use the presentation remote control as a wireless mouse to control the mouse pointer on the computer screen. The presentation remote contains all the functions necessary for giving a presentation. Functions include: Page Up/Page Down, Left/Right mouse click, A/V mute, freeze, and mouse pointer.
Compatible computers
Windows®: Windows 98/2000/Me/XP
Macintosh®: Mac OS® 9.1 or later/OS X 10.1 or later

Note: The presentation remote receiver can only be connected to computers with a standard USB interface.
Some computer settings may have to be changed for the mouse function to be used. See your computer’s documentation for details.

Replacing Remote Control Batteries
When the battery in the remote control or presentation remote control runs out, follow the steps below to replace it. Each remote requires one CR2025 lithium battery.

1. Remove the battery holder.

2. Remove the old battery and insert the new one. Make sure the + side of the battery is facing up, as shown.

3. Slide the battery holder back into the remote control until it clicks into place.

Caution:
When replacing the battery, take the following precautions:

- Replace the battery as soon as it runs out.
- If the battery leaks, wipe away battery fluid with a soft cloth. If fluid gets on your hands, wash them immediately.
- Remove the battery if you will not be using the remote for a long period of time.
- Dispose of the used battery in accordance with your local regulations.

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

- To remove dust, use a canister of compressed air to spray the lens surface, or lightly wipe the lens surface with a soft, dry, lint-free cloth.
- To remove dirt or smears, use lens-cleaning paper. If necessary, moisten a soft cloth with an alcohol-based cleaner and gently wipe the lens surface.

Caution:
Do not rub the lens with harsh material or subject it to shocks, as it can be easily damaged.

Cleaning the Projector Case
Before you clean the projector case, turn off the projector and unplug the power cord.

- To remove dirt or dust, wipe the outside with a soft, dry, lint-free cloth.
- To remove stubborn dirt or stains, clean the case using a soft cloth moistened with water and a neutral detergent. Dry it using a separate cloth.

Caution:
Do not use alcohol, benzene, thinner, wax, or other chemicals. These can damage the case.

Cleaning the Air Filter
If the air filter becomes clogged with dust, it can cause overheating and damage the projector. Follow these steps to clean the filter:

1. Turn off the projector, let it cool down, and unplug the power cord.
2. Turn the projector upside-down and use a small vacuum cleaner designed for computers and other office equipment. If you don’t have one, use a dry, lint-free cloth.

4. Replace the air filter with a new one. Make sure there are no gaps between the air filter and the plastic grill.

5. Insert the air filter cover tabs, and then press down on the opposite side until it clicks into place.

**Replacing the Air Filter**

If you need to replace the air filter, you can obtain it in the following ways:

- Purchase one from your dealer
- Call EPSON at (800) 873-7766 or visit the EPSON Store at www.epsonstore.com (U. S. sales only). In Canada, please call (800) 463-7766 for dealer referral.

**Note:** If the air filter is difficult to clean or if it is broken, it should be replaced. See the next section for instructions.

Spare lamps are provided with new air filters. When replacing the lamp, please replace the air filter at the same time.

**Replacing the Lamp**

The projection lamp typically lasts for about 2000 hours of use. It is time to replace the lamp when:

- The projected image gets darker or starts to deteriorate.
- The [error light on top of the projector is flashing red in 0.5-second intervals.
- The message **LAMP REPLACE** appears on the screen when the projector lamp comes on (after about 1900 hours of use).

To maintain projector brightness and image quality, replace the lamp as soon as possible after you see the message.

Request replacement lamp part number V13H010125.

**Note:**
To view the number of hours your lamp has been used, check the About menu.

**Warning:**
Be extremely careful when removing the lamp module. Let the lamp cool before replacing it. If the lamp breaks, handle the shards carefully to avoid injury. In the unlikely event that the bulb has ruptured, small glass fragments may be present and should be removed with caution. If your projector is mounted on the ceiling, you should unmount it before accessing the lamp compartment. If your projector is on the ceiling, this will make it easier for you to replace the lamp and minimize the chance of any small glass fragments dropping from the projector.
Follow these steps to replace the lamp:

1. Turn off the projector, let it cool down, and unplug the power cord.
2. Allow the projector to continue cooling for at least one hour (if it has been on).
3. Turn the projector upside-down. Push in the tabs on the lamp cover and push it up to remove it.
4. Use a screwdriver to loosen the two screws securing the lamp; you can’t remove the screws.
5. Remove the lamp.
6. Position the new lamp correctly, then gently insert it into the projector. Press it into place and tighten the retaining screws.
7. Insert the lamp cover tabs, then press down until the lamp cover clicks back into place.

Caution:
Make sure the lamp cover is securely fastened; the error light flashes and the projector lamp won’t turn on if the cover is open.

8. Follow the instructions below to reset the lamp timer to zero.

Note: A new air filter is included with the lamp. If your current air filter is old, replace it with the new one when you replace the lamp.
Resetting the Lamp Timer
After you install a new lamp, you need to reset the timer so the projector can keep track of how many hours it has been used.

**Note:**
Reset the lamp timer only after you install a new lamp. If you reset it at any other time, the projector will not indicate the correct number of lamp usage hours.

Follow these steps:
1. Make sure the power cord is connected to the projector and to an electrical outlet.
2. Turn on the projector and wait for it to warm up.
3. Press the **Menu** button on the remote control. You see the main menu.
4. Select the **Reset** menu. You see the lamp usage hours and other settings.
5. Select **Lamp Hours Reset**. You see this prompt:

![Lamp Hours Reset](image)

6. Select **Yes**, then press **Enter**.
7. When you’re finished, press Esc or **Menu**.

The lamp usage timer doesn’t register until you’ve used the lamp for at least 10 hours.

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**Optional Accessories**

EPSON provides the following optional accessories:

<table>
<thead>
<tr>
<th>Product</th>
<th>Product number</th>
</tr>
</thead>
<tbody>
<tr>
<td>V13H010125</td>
<td>Replacement lamp</td>
</tr>
<tr>
<td>V13H134A03</td>
<td>Air filter set (5 filters)</td>
</tr>
<tr>
<td>V12H007T11</td>
<td>Projector remote control</td>
</tr>
<tr>
<td>V12H007T09</td>
<td>Presentation remote control kit (connects to a PC or Mac and includes a receiver and remote)</td>
</tr>
<tr>
<td>ELPSC06</td>
<td>50” Portable screen (4:3 aspect ratio)</td>
</tr>
<tr>
<td>ELPSC07</td>
<td>60” Portable pop-up screen (4:3 aspect ratio)</td>
</tr>
<tr>
<td>ELPSC08</td>
<td>80” Portable pop-up screen (4:3 aspect ratio)</td>
</tr>
<tr>
<td>ELPAP01</td>
<td>Mac adapter set (used to convert a Macintosh D-sub 15-pin plug into a mini D-sub 15-pin plug)</td>
</tr>
<tr>
<td>ELPMB42</td>
<td>Ceiling mount</td>
</tr>
<tr>
<td>ELPMBAPL</td>
<td>Suspension adapter</td>
</tr>
<tr>
<td>ELPMBFCP</td>
<td>False ceiling plate</td>
</tr>
<tr>
<td>ELPSV01</td>
<td>S-Video cable</td>
</tr>
<tr>
<td>ELPKC19</td>
<td>Component video cable (9.8 feet/3 m) for mini D-Sub 15-pin/RCA×3</td>
</tr>
<tr>
<td>ELPDA01</td>
<td>Distribution amplifier</td>
</tr>
<tr>
<td>ELPKS35</td>
<td>Samsonite wheeled softcase</td>
</tr>
<tr>
<td>ELPKS43</td>
<td>Samsonite soft shoulder case for projector and laptop</td>
</tr>
<tr>
<td>ELPKS49</td>
<td>ATA molded hardshell case</td>
</tr>
<tr>
<td>ELPDC02</td>
<td>High resolution document imager</td>
</tr>
<tr>
<td>V12H064020</td>
<td>High resolution document camera</td>
</tr>
<tr>
<td>ELPSDL01</td>
<td>Kensington security lock</td>
</tr>
</tbody>
</table>

You can purchase these accessories from your dealer, or by calling EPSON at (800) 873-7766, or by visiting the EPSON Store at www.epsonstore.com (U.S. sales only). In Canada, please call (800) 463-7766 for dealer referral.

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**Related Documentation**

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>CPD-16290</td>
<td><em>EPSON PowerLite S1 Projector Quick Setup Poster</em></td>
</tr>
<tr>
<td>CPD-16302</td>
<td>CD-ROM containing the <em>EPSON PowerLite S1 User’s Guide</em></td>
</tr>
<tr>
<td>Parts Price Lists</td>
<td>Available on the EPSON Insider Website only</td>
</tr>
</tbody>
</table>