

HP Notebook Projection Companion User Guide

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1 Using the projector

The following items are included in the HP Notebook Projection Companion accessory kit:



- (1) HP Notebook Projection Companion
- (2) AC adapter
- (3) Power cord*
- (4) Video cable
- (5) Tripod
- (6) Carrying case
- (7) User Guide disc
- (8) Warranty

*Power cords may vary in appearance by region and country.

⚠ **WARNING!** Read and observe these precautions and all others in this manual to reduce the risk of injury and equipment damage. Do not look directly into the lens when the lamp is on. Do not expose the projector to rain or moisture, and do not use it near water. Keep paper, plastic, and combustible material at least 2 ft (0.5 m) away from the projector lens and exhaust vents. Do not allow liquid, food, or small objects to get inside the projector. If material gets inside the projector, contact HP for assistance. Do not put anything on top of the projector. Do not place any liquids where they might spill on the projector. Do not block any vents on the projector. Do not place the projector near any source of heat, such as a radiator or amplifier. Use only an approved power cord rated for the voltage and current marked on the product label. Do not overload any outlet or extension cord. Do not circumvent the grounding prong on the power cord. Route all cables so they are not located where people can step on them or trip on them. Place the projector flat on its base on a sturdy surface. Do not stand the projector on its front surface. Do not touch the lens with your fingers. Use a soft, dry cloth to clean the projector case. Do not open the projector. If the projector is damaged in any way, contact HP for assistance.

⚠ **CAUTION:** To prevent damage to the projector or its components during use, observe these precautions:

Avoid using the projector near appliances that generate heat.

Avoid exposing the projector to excessive dust. Dust may cause the projector to fail and automatically shut down.

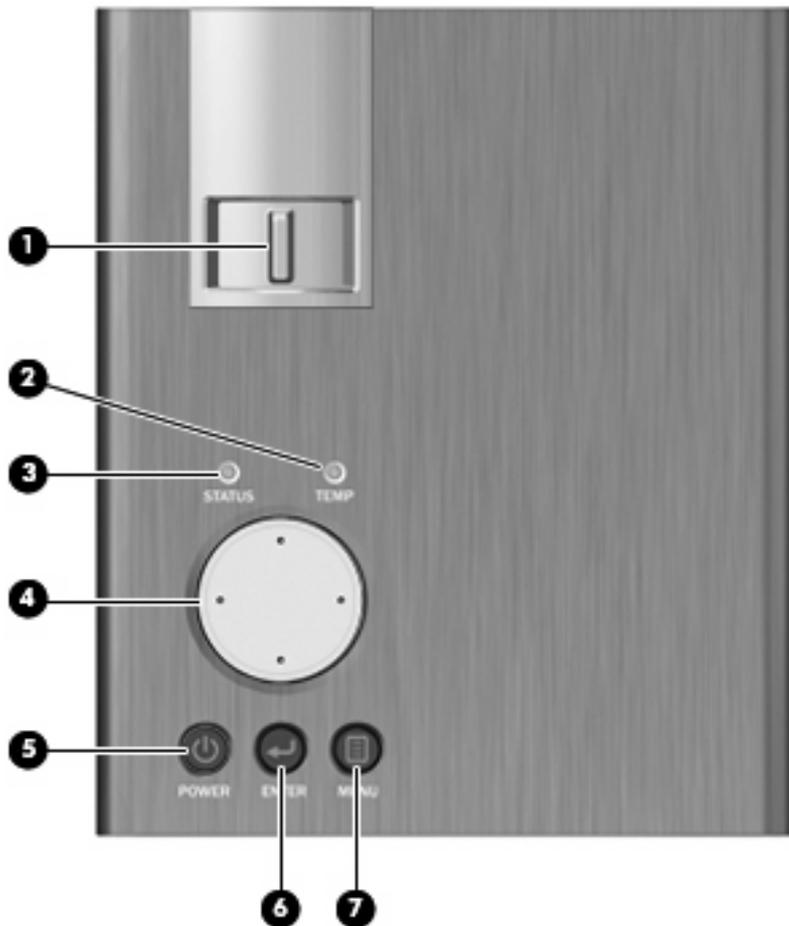
Be sure that the projector is placed in a well-ventilated area.

Avoid blocking the projector's vents and openings.

Do not operate the projector over 47.5°C temperature. The projector operates well within this temperature range.

Identifying projector components

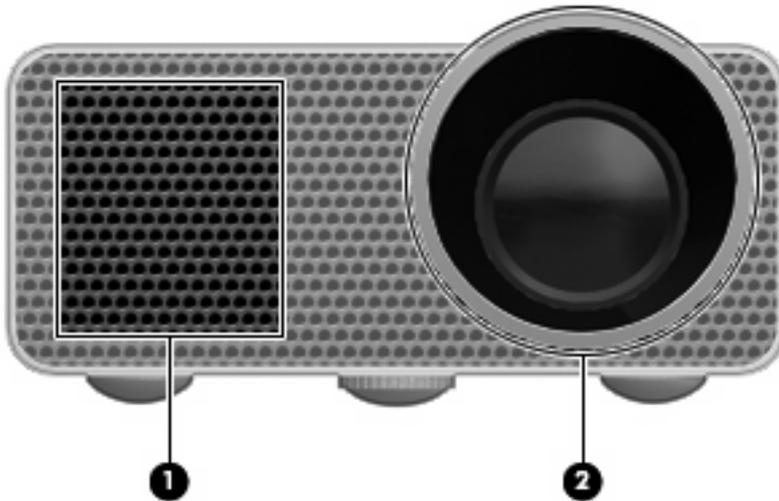
Top components



Component	Description
(1) Focus ring	Move the ring to the left or right to adjust the focus of the projector.
(2) TEMP light	When the light is on, indicates that temperature is over 47.5°C and that the projector will automatically shut down. NOTE: Excessive temperature may indicate that the vents are blocked. To maintain optimal temperature, be sure the vents are not blocked. Also, allow the projector to cool completely after it turns off.
(3) STATUS light	Blinking: The projector is powering on, or one of the projector's fans has failed. On: The projector is in use.
(4) 4-way button	Press to select and adjust on-screen settings.
(5) POWER button	Press to turn the projector on and off.

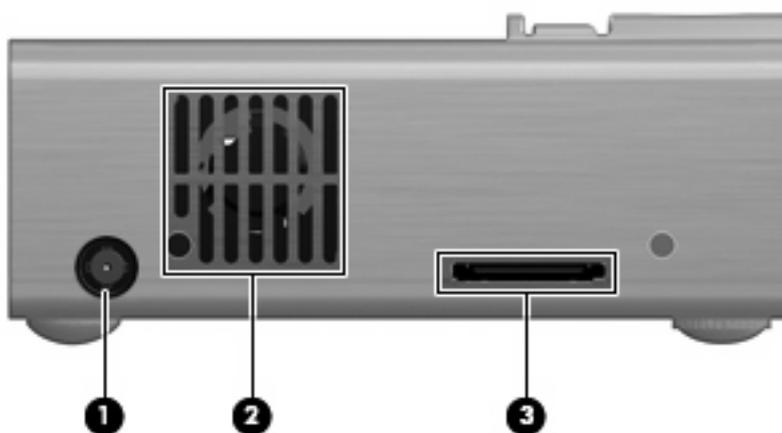
Component	Description
(6) ENTER button	Allows you to select a function in the on-screen display.
(7) MENU button	Press to activate and navigate through the on-screen display.

Front components



Component	Description
(1) Vent	Enables airflow to cool internal components.
(2) Lens	Projects images onto the screen.

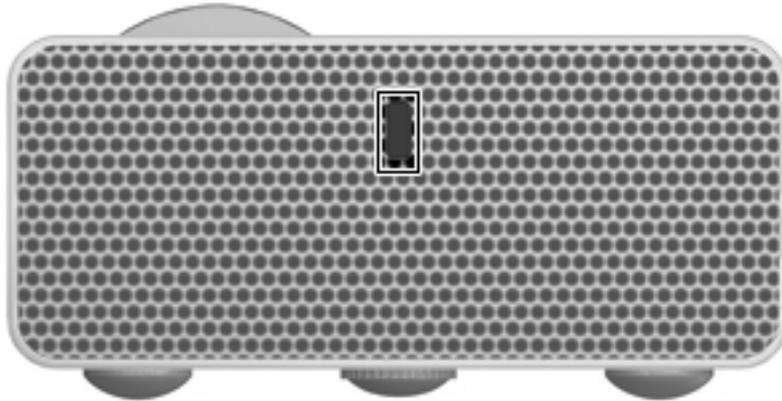
Left components



Component	Description
(1) Power connector	Connects an AC adapter.

Component	Description
(2) Vent	Enables airflow to cool internal components.
(3) Video cable connector	Connects the video cable.

Back components



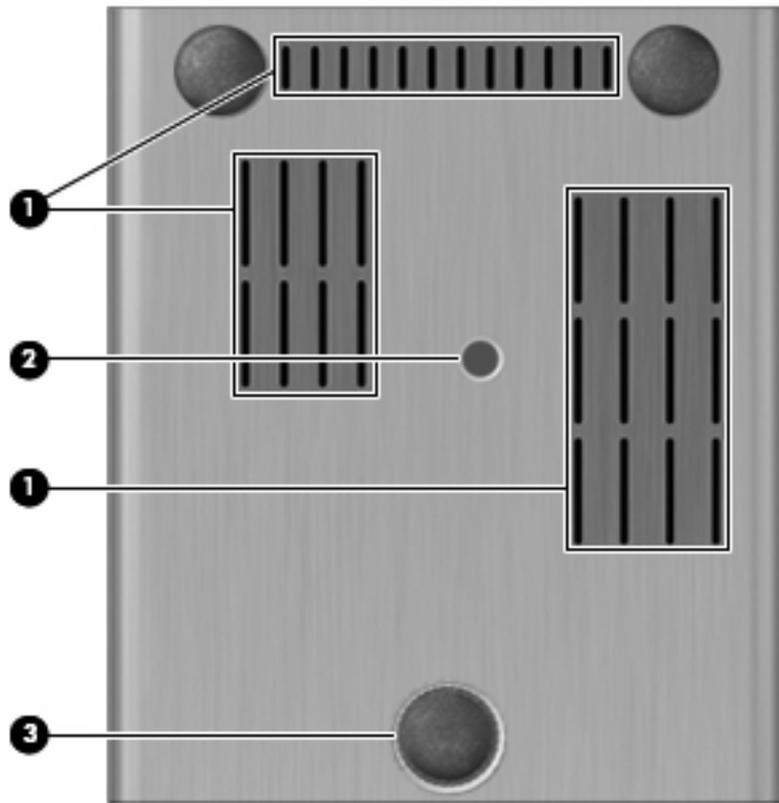
Component	Description
Security cable slot	Attaches an optional security cable to the projector. NOTE: The security cable is designed to act as a deterrent, but it may not prevent the projector from being mishandled or stolen.

Right components



Component	Description
Vent	Enables airflow to cool internal components.

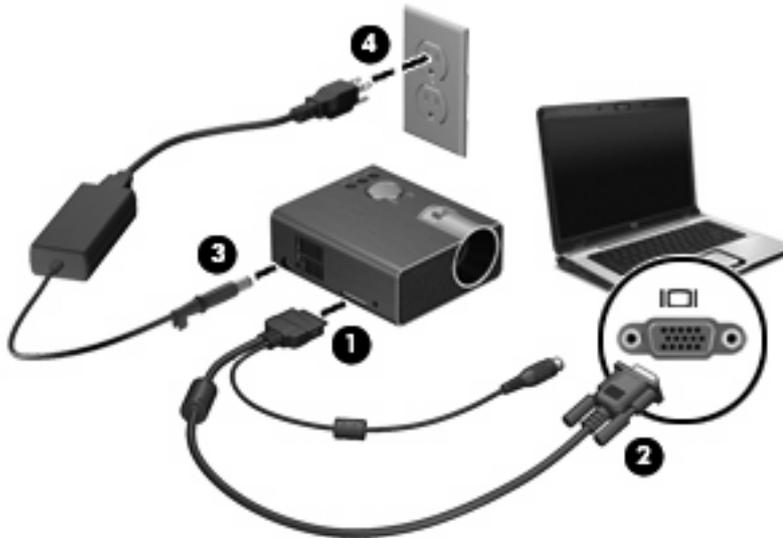
Bottom components



Component	Description
(1) Vents	Enable airflow to cool internal components.
(2) Tripod connector	Connects the tripod to the projector.
(3) Adjustable foot	Allows you to adjust the height of the projector for optimum viewing.

Connecting the projector to a computer

 **NOTE:** Turn on the projector before you turn on the computer. This allows the computer to automatically detect the projector and configure the video settings.



1. Connect the video cable to the projector.
2. Connect the other end of the video cable to the computer.
3. Connect the AC adapter to the projector.
4. Plug the power cord into a wall outlet.

Turning on the projector

1. Press the **POWER** button on the projector.



NOTE: Turn the projector on before turning on the computer, so that the computer will automatically detect the projector and configure the video settings. The STATUS light stays on while the projector is in use.

2. Press the **POWER** button on the computer.



NOTE: During the power-on sequence, the projector displays the logo for approximately 10 seconds.

Turning off the projector

△ **CAUTION:** Turn the projector off before disconnecting the AC adapter.

1. Press the **POWER** button on the projector.

To confirm that you want to turn off the projector, a message requests you to press the POWER button again.

 **NOTE:** If you do not want to turn off the projector, press the **MENU** button to clear the message. Or, you can ignore the message, and it will disappear after 30 seconds.

2. Press the **POWER** button again. (The cooling fans continue to operate for 10 seconds.)

Adjusting the projector focus

1. Move the projector backward or forward to increase or decrease the projected image size. The projector focuses at a distance up to 8.5 feet (2.6 m). It projects a screen-size image ranging from 15 to 60 inches (38 to 153 cm).
2. When the image size is set, move the focus ring to the left or right to optimize the image for viewing.

Using the on-screen display

Use the 4-way button to navigate to a menu or menu items. Press up, down, left, or right to highlight your choices through the various menus. Then, press the **ENTER** button to select a menu item. When an item is selected, it changes to dark blue.

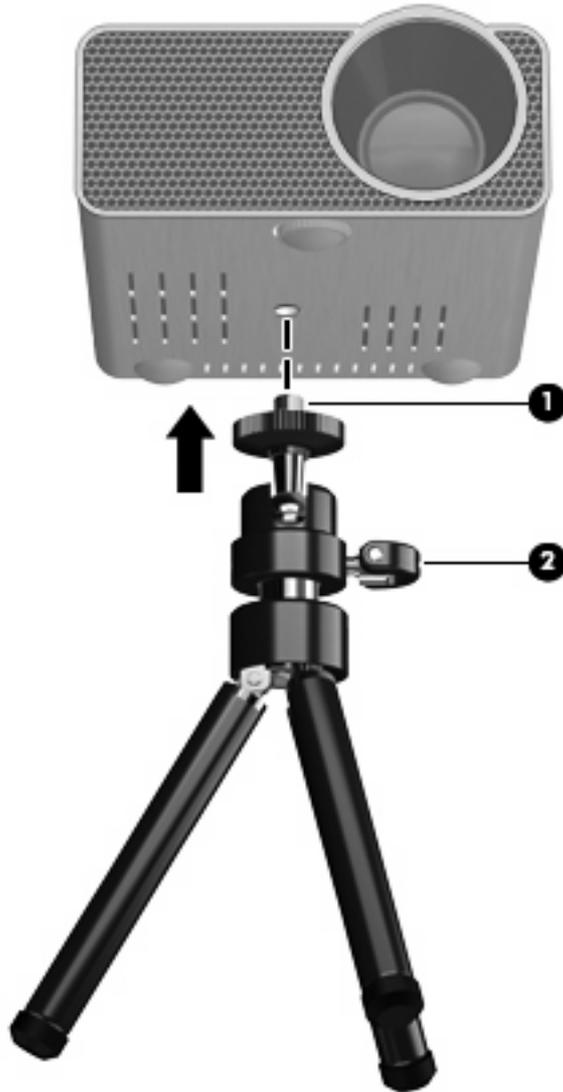
To return to the main menu, press the **MENU** button.

To exit the on-screen display, use the 4-way button to select **Exit** or **Return**, and then press the **ENTER** button.

Select	To do this
 Input	<ul style="list-style-type: none">• Select the input source, such as VGA or composite.• Scan input signals.
 Picture	Adjust the on-screen display settings: <ul style="list-style-type: none">• Color settings, such as brightness, contrast, sharpness, color saturation, and tint• VGA settings, such as auto-sync, frequency, tracking, vertical offset, and horizontal offset• Picture mode• Picture enhancement• White intensity
 Setup	<ul style="list-style-type: none">• Select a language for the on-screen display.• Reset all settings for the projector.• Use auto keystone and keystone to adjust image distortion by tilting the projector.• Adjust advanced options, such as the projector's position (or location), aspect ratio, and power timeout.
 Help	Get information about the projector, such as the on-screen display version number and the number of hours the lamp has been used.

Using the tripod

1. Attach the tripod to the tripod connector on the projector (1), and then turn the tripod clockwise until the projector is firmly connected.
2. Turn the adjustable knob (2) to tilt the projector for optimal viewing.



2 Troubleshooting

Solving common problems

Problem	Possible cause	Solution
No image appears on the screen.	A cable is disconnected.	Be sure that all cables are properly connected. Check all connector pins to be sure they are not bent or broken.
Partial, scrolling, or incorrectly projected image.	The tracking, frequency, or resolution settings may need to be adjusted.	Press the 4-way button left to automatically adjust the frequency and tracking. An on-screen message indicates that an automatic adjustment is in progress. Be sure the resolution of the computer is set to SVGA 858x600. If you have difficulty changing the resolution or the monitor freezes, restart the computer and projector. If the problem continues, upgrade the computer with the latest version of the video card driver. Contact technical support for more information.
The projected image is not displayed on the screen.	The VGA display settings may need to be changed.	Using the Picture menu, adjust the VGA display settings of the projector. In Windows, change the display resolution on the computer to an allowable setting.
The image is unstable, flickering, or has a flickering vertical bar.	The tracking may need to be adjusted.	Adjust the tracking by pressing the MENU button, and then selecting Picture > VGA settings > Tracking .
The image is distorted.	The focus may need to be adjusted.	Use the projector's focus ring to adjust the projected image. Be sure that the projection screen is within the required distance from the projector (8.5 feet [2.6 m]).
The image color is incorrect.	The display is receiving the incorrect signal output from the VGA graphics card.	Using the Picture menu, set the signal output to RGB. Using the Picture menu, verify that the colors (red, green, blue) are properly set.

The TEMP light is on.	The projector is overheated. (The projector automatically shuts down.)	Be sure that nothing is near or blocking the vents of the projector, and that the vents are free of dust or other objects. After the projector cools completely, turn on the projector again.
The STATUS light is blinking.	One of the projector's fans may have failed. (The projector automatically shuts down.)	Be sure to let the projector cool completely. Check the fan mode in the Setup menu. Change the fan mode to normal or high. The high setting turns the fan at a faster speed, which helps to keep the projector cooler.
The on-screen display does not appear on the screen.	The MENU button may be locked.	Press and hold the MENU button for 15 seconds to unlock the button and enable the on-screen display.

Getting more information

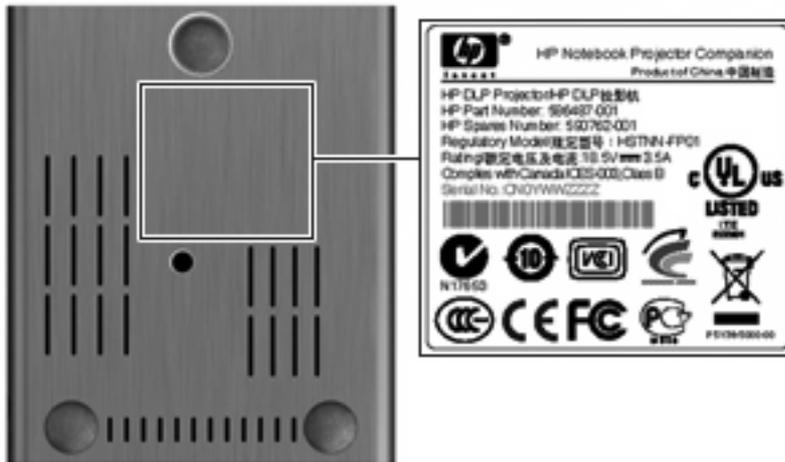
- For comprehensive information about your HP computer, as well as governmental agency and safety information about the use of your computer, access Help and Support by selecting **Start > Help and Support**.
- For product news and software updates, see the HP Web site: <http://www.hp.com>.

Technical support

If you cannot solve a problem using the troubleshooting tips in this chapter, you may need to contact technical support.

For the fastest possible resolution of your problem, have the following information available when you call or e-mail:

- Model name and number for the computer and for the projector
- Serial numbers for the computer and projector
- Dates the computer and projector were purchased
- Conditions under which the problem occurred
- Error messages that have been displayed
- Hardware and software you are using
- The manufacturer and model of components connected to the computer and projector
- The serial number for the projector, and other information, can be found on the service tag located on the bottom of the projector



To contact technical support using your HP computer, select **Start > Help and Support > Contact support** and start a chat session with a support specialist. You can also refer to the *Worldwide Telephone Numbers* booklet, included with the projector, for contact information.

 **NOTE:** Technical support chat may not be available in all languages.

A Specifications

Dimensions	
Height	9.3 cm (3.6 in.)
Width	11.1 cm (4.4 in.)
Diagonal	4.0 cm (1.6 in.)
Weight	.42 kg (.9 lb.)
Contrast ratio	800:1
Brightness	Up to 100 lumens
Light source	Red/green/blue LED module
Resolution	SVGA (858x600)
Zoom focus	Fixed zoom/manual focus
Display technology	0.45-in. DLP
Projection screen (diagonal)	38 - 152 cm (15 - 60 in.)
Maximum projection distance	2.6 m (8.5 ft.)
Noise	32 dB
Power consumption	58 W
I/O connectors	30-pin video cable in/VGA out

B Spare parts

Description	Part number
Tripod	598359-001
Video cable	590763-001
Projector	590762-001
Carrying case	585976-001
AC adapter	463958-001

 **NOTE:** The projector does not include a replaceable lamp. The projector uses light-emitting diode (LED) technology instead of a standard gas/filament bulb. LED technology provides a longer life solution than standard bulbs, so replacements are not necessary.

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