

使用说明书

多媒体液晶投影机

EB-C1010X

EB-C1000X



说明书中图标的含义

• 安全指示

本资料和投影机采用一些图标来说明如何安全使用本投影机。为了避免人身伤害或财产损失,请理解并遵守这些注意事项图标。

♠ 警告	若忽视本图标表示的信息,可能会因错误操作处理而导致 人员受伤甚至死亡。
⚠ 注意	若忽视本图标表示的信息,可能会因错误操作处理而导致 人员受伤或身体伤害。

• 一般信息指示

注意	列示了如果不采取足够的措施可能引起投影机的损坏和人身伤害的内容。	
	记述了方便用户使用的一些相关资讯。	
	指明可以找到相关主题详细资讯的所在页。	
>>	表示该符号前有下划线的用语在用语解说中作了说明。请参阅"附录"中的"用语解说"部分。	
[名称]	指示遥控器或控制面板上按钮的名称。 示例: [Esc] 按钮	
"(菜单名称)"	表示配置菜单项目。 实例: 从 图像 中选择 亮度 。 图像 - 亮度	

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屏幕尺寸和大致的投影距离	设定识别号和使用遥控器
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连接设备 18	设定遥控器识别号
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简介

本章介绍投影机的功能和各部件的名称。

可用性和可靠性

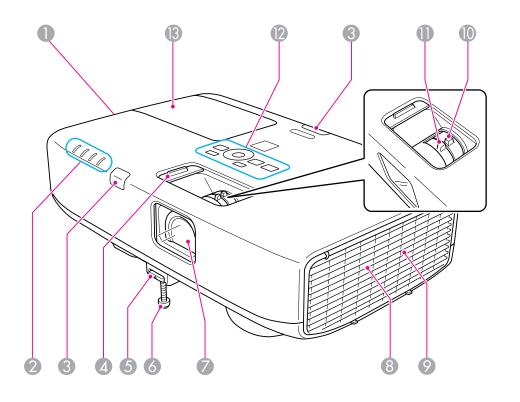
- 大的过滤网可提升防尘能力。
- 内置功能通知您何时清洁过滤网。
- 只需插入或拔下电源即可开启和关闭投影机。

安全功能

- 使用密码保护来限制和管理用户
 - ☞ "管理用户(密码保护)" 第42页
- 操作锁限制控制面板上的按钮操作
 - ☞ "限制操作(控制面板锁定)" 第43页
- 安装有各种防盗装置
- ☞ "防盗锁" 第45页



前面 / 上面

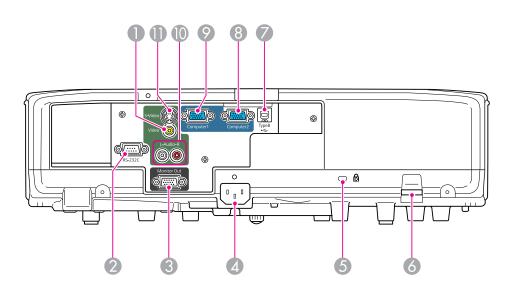


	名称	5 称 功能	
0	排气口	用于排出冷却投影机内部所用空气的排气孔。	
		注意 投影时,请勿将脸或手贴近排气口,并请勿在排气口附近放置受热会翘曲或损坏的物体。	
2	指示灯	指示投影机的状态。 "读懂指示灯" 第58页	
3	遥控接收器	接收遥控器信号。	

	名称	功能	
4	变焦/聚焦环盖	仅在操作变焦环或聚焦环时才需将此滑开。应通常保 持关闭,以防止灰尘进入投影机。	
5	撑脚调节杆	接下撑脚杆,以便展开和缩回前撑脚。 ☞ "调节图像位置" 第28页	
6	前可调撑脚	将投影机安装在桌子等表面上时,可展开撑脚以调节 图像的位置。 ☞ "调节图像位置" 第28页	
7	镜头玻璃盖	保护投影机的镜头。	
8	扬声器	输出音频。	
9	进风口 (空气过滤网)	吸入空气以冷却投影机内部。 ☞ "清洁空气过滤网" 第71页	
10	变焦环	调节图像大小。 ☞ "调节图像大小" 第28页	
•	聚焦环	调节图像焦点。 ☞ "校正焦距" 第28页	
12	控制面板	操作投影机。 "控制面板"第10页	
13	灯泡盖	更换投影机内的灯泡时打开该盖。 "更换灯泡"第74页	



后

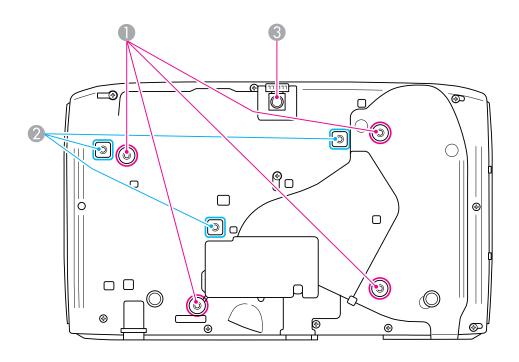


	名称	功能
0	Video 端口	输入来自视频源的复合视频信号。
2	RS-232C 端口	从计算机控制投影机时,请使用 RS-232C 电缆将投影机连接到计算机。该端口用于控制目的,通常情况下不要使用。 ☞ "ESC/VP21 命令" 第80页
3	Monitor Out 端口	将来自 Computer1 端口的模拟 RGB 信号输入输出到外部监视器。不能输出来自其他端口的信号输入或分量视频信号。
4	电源插座	连接电源线至投影机。 ● "从安装到投影" 第23页
5	防盗安全锁孔	该防盗安全锁孔与 Kensington 公司生产的微型存放保安系统兼容。

	名称	功能
6	安全电缆安装点	可使用市售的防盗线锁穿过此安装点,而将投影机固定在桌子或柱子上。 "防盗锁"第45页
	USB (TypeB) 端口	通过市售的 USB 电缆将投影机连接到计算机,以便使用无线鼠标功能。 "使用遥控器来操作鼠标指针(无线鼠标)"第36页
8	Computer2 端口	用于来自计算机的模拟 RGB 信号和来自其他视频源的分量视频信号。
9	Computer1 端口	用于来自计算机的模拟 RGB 信号和来自其他视频源的分量视频信号。
10	Audio-L/R 端口	从与投影机相连的视频设备输入音频。
•	S-Video 端口	用于来自视频源的 S-视频信号。

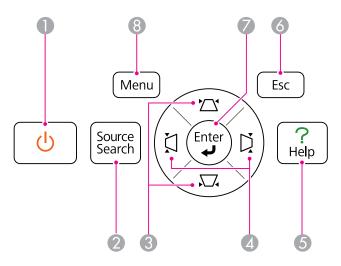


底面



名称		功能
0	吊架固定点(用于吊架 ELPMB22:四个点)	将投影机悬吊在天花板上时,请将选购的吊架安装在 这里。
2	吊架固定点(用于吊架 ELPMB23:三个点)	
3	前可调撑脚	将投影机安装在桌子等表面上时,可展开撑脚以调节图像的位置。 ☞ "调节图像位置" 第28页

控制面板

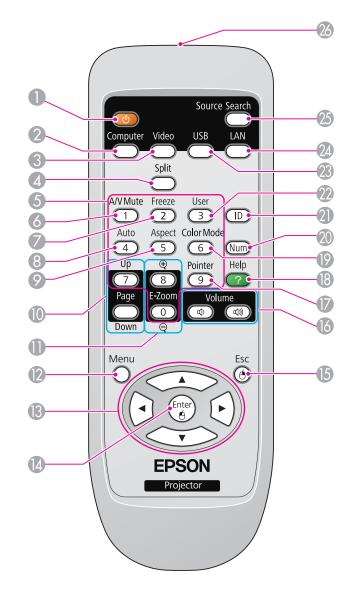


	名称	功能
0	[也] 按钮	打开或关闭投影机电源。
2	[Source Search] 按钮	切换至来自输入视频信号的输入端口的图像。
3	[公][以] 按钮	 执行垂直梯形校正。 ★ "校正垂直梯形失真。" 第25页 如果在显示配置菜单或帮助画面时按下,则可使用这些按钮选择菜单项目和设定值。 ★ "使用配置菜单" 第47页 ★ "使用帮助" 第57页
4	[[[]] 按钮	 执行水平梯形校正。 ★ "校正水平梯形失真。" 第25页 如果在显示配置菜单或帮助画面时按下,则可使用这些按钮选择菜单项目和设定值。 ★ "使用配置菜单" 第47页 ★ "使用帮助" 第57页



	名称	功能
5	[Help] 按钮	显示并关闭帮助画面,该帮助画面说明如何处理发生的问题。 ● "使用帮助"第57页
6	[Esc] 按钮	按下该按钮结束当前正在使用的某项功能。如果在显示配置菜单时按下该按钮,则转到前一级菜单。"使用配置菜单"第47页
7	[Enter] 按钮	 如果在显示配置菜单或帮助画面时按下该按钮,则接受并输入当前选择,并转到下一级。 如果在投影来自 Computer1 端口或 Computer2 端口的模拟 RGB 信号时按下该按钮,则可以自动优化跟踪、同步和位置。
8	[Menu] 按钮	显示和关闭配置菜单。 ● "使用配置菜单" 第47页

遥控



名称		功能	
0	[心] 按钮	打开或关闭投影机电源。	
2	[Computer] 按钮	每次按下该按钮,输入图像在来自 Computer1 端口与 Computer2 端口的图像之间切换。	
3	[Video] 按钮	每次按下该按钮,输入图像在来自 S-Video 端口与 Video 端口之间切换。	
4	[Split] 按钮	此投影机不可使用。	
5	数字按钮	使用该按钮输入密码和设定遥控器识别号。	
6	[A/V Mute] 按钮	打开或关闭音频和视频。 ☞ "暂时隐去图像和声音(A/V无声)" 第33页	
7	[Freeze] 按钮	暂停或取消暂停图像。 ☞ "使图像静止(静止)" 第33页	
8	[Auto] 按钮	如果在投影来自 Computer1 端口或 Computer2 端口的模拟 RGB 信号时按下该按钮,则可以自动优化跟踪、同步和位置。	
9	[Aspect] 按钮	每次按下该按钮,长宽比就会改变。 ☞ "改变长宽比" 第30页	
10	[Page] 按钮 [Up] [Down]	在使用以下投影方法时,更改 PowerPoint 等文件的页码。 • 使用无线鼠标功能时 一 "使用遥控器来操作鼠标指针(无线鼠标)" 第36页	
0	[E-Zoom] 按钮 [⊕][⊝]	在不改变投影尺寸的情况下放大或缩小图像。 ☞ "放大图像的局部(E变焦)"第35页	
12	[Menu] 按钮	显示和关闭配置菜单。 ● "使用配置菜单" 第47页	

名称		功能
(3)	[(*)[[*]] 按钮	 在显示配置菜单或帮助画面时,按下这些按钮可选择菜单项目和设定值。 "使用配置菜单"第47页 使用无线鼠标功能时,鼠标光标会向所按按钮方向移动。 "使用遥控器来操作鼠标指针(无线鼠标)"第36页
14	[Enter] 按钮	 如果在显示配置菜单或帮助画面时按下该按钮,则接受并输入当前选择,并转到下一级。 ● "使用配置菜单" 第47页 ● 使用无线鼠标功能时,该按钮用作鼠标左键。 ● "使用遥控器来操作鼠标指针(无线鼠标)"第36页
(b)	[Esc] 按钮	 按下该按钮结束当前正在使用的某项功能。 如果在显示配置菜单时按下该按钮,则转到前一级菜单。 "使用配置菜单"第47页 使用无线鼠标功能时,该按钮用作鼠标右键。 "使用遥控器来操作鼠标指针(无线鼠标)"第36页
16	[Volume] 按钮 [◁][◁ᢧ]	[Φ] 减小音量。 [Φ] 增大音量。 ☞ "调节音量" 第29页
0	[Pointer] 按钮	显示屏幕光标。 ☞ "光标功能(光标)"第33页
18	[Help] 按钮	显示并关闭帮助画面,该帮助画面说明如何处理发生的问题。 "使用帮助" 第57页
19	[Color Mode] 按钮	每次按下该按钮,颜色模式就会改变。 ☞ "选择投影质量(选择颜色模式)" 第29页
20	[Num] 按钮	按住该按钮并按数字按钮可输入密码和数字。 "设定密码保护"第42页

名称		功能	
2	[ID] 按钮	按住该按钮并按数字按钮可设定遥控器识别号。 ☞ "设定遥控器识别号" 第38页	
22	[User] 按钮	从五个可用的配置菜单项目中选择最常用的项目,然后将其指定给该按钮。按 User 按钮会显示已分配的菜单项选择/调节画面,从而让您可以进行单触式设定/调节。 "设定菜单"第52页测试图样为默认设定。	
23	[USB] 按钮	此投影机不可使用。	
24	[LAN] 按钮	此投影机不可使用。	
25	[Source Search] 按钮	切换至来自输入视频信号的输入端口的图像。	
26	遥控发光部	输出遥控器信号。	

更换遥控器电池

如果遥控器的反应滞后,或是遥控器在使用一段时间后不起作用,就可能是电池没电了。当发生这种情况时,请用新电池更换。准备好两支AA锰电池或碱性电池。除AA锰电池或碱性电池以外,不能使用其他电池。

注意

在处理电池之前,请务必阅读以下手册。

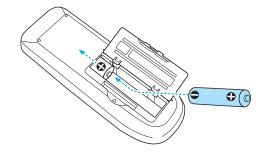
☞ 安全使用须知

1 取下电池盖。

一边推电池仓盖卡爪,一边向上提电池仓盖。



请用新电池更换旧电池。



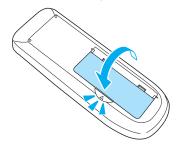


<u>注意</u>

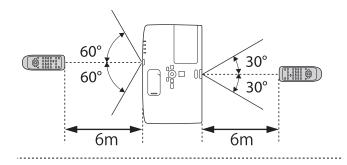
核对电池仓内(+)和(-)极标志的位置,以确保电池以正确的方式装 入。

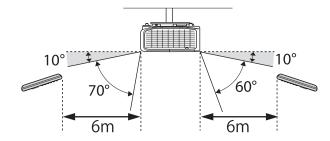
重新盖上电池盖。

按压电池舱盖,直至听到"喀嗒"声。



遥控器操作范围







准备投影机

本章介绍如何安装投影机和连接投影源。

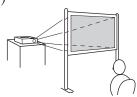
安装方法

投影机支持下列四种不同的投影方法。根据安装位置的条件安装投影机。

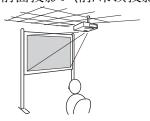
• 从屏幕前面投影图像。(前投影)



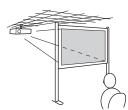
• 从半透明屏幕后面投影图像。(后 投影)



• 将投影机悬挂在天花板上, 并从 屏幕前面投影。(前/吊顶投影)



• 将投影机悬挂在天花板上, 并从 半透明屏幕后面投影。(后/吊顶 投影)



▲ 警告

- 从天花板(吊架)上悬吊投影机需要特殊的安装方法。如果没有正确安装, 投影机可能坠落,从而造成事故和伤害。
- 如果您在吊架固定点使用粘合剂来防止螺丝松脱,或在投影机上使用滑润 剂、油等,则投影机外壳可能裂开,而造成投影机从吊架上坠落。这可能对 吊架下的任何人造成严重人身伤害,并可能损坏投影机。

安装或调节吊架时,请勿使用粘合剂来防止螺丝松脱,同时请勿使用油或滑 润剂等。

注意

- 请不要侧放着使用投影机。可能会因此发生故障。
- 请勿盖上投影机的进风口和排气口。如果盖上,内部温度会上升并可能导致 火灾。



- 在天花板上悬挂投影机需要选购的吊架。
- "选购件" 第82页
- 您可以通过按住遥控器上的 [A/V Mute] 按钮约五秒钟来按如下方 式更改设定。

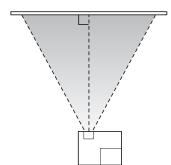
前↔前/吊顶

从配置菜单设定后或后/吊顶。

◆ 扩展 - 投影 第53页

如何安装

安装投影机时, 使其与屏幕平行。



如果安装的投影机与屏幕不平行,则投影的图像上会出现梯形失真。有关 校正梯形失真的详细信息,请参阅以下内容。

"校正梯形失真" 第25页



将投影机放置在水平的表面上,确保它不倾斜。



屏幕尺寸和大致的投影距离

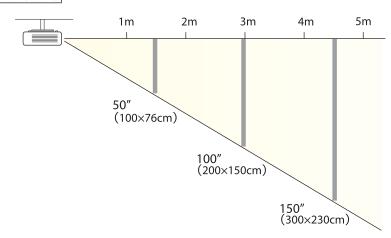
投影尺寸由投影机与屏幕之间的距离决定。请参阅下列图示,根据屏幕尺寸选择最佳的位置。该图显示了最大变焦时的大致最短距离。有关投影距离的详细信息,请参阅以下内容。

☞ "屏幕尺寸和投影距离" 第83页



校正梯形失真时,投影的图像可能会缩小。

4:3 屏幕尺寸





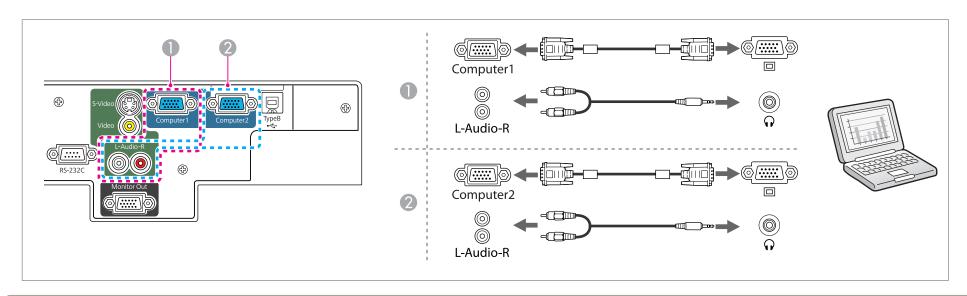
端口名称、位置和连接器方向会因所连接的源而异。

连接计算机

要从计算机投影图像,请使用以下方法之一连接计算机。

● ② 使用随附的计算机电缆时

将计算机的显示器输出端口连接到投影机的 Computer1 或 Computer2 端口。





要从投影机的扬声器输出音频,您需要连接市售的音频电缆。

连接图像源

要从 DVD 机或 VHS 视频等投影图像,请使用以下方法之一连接到投影机。

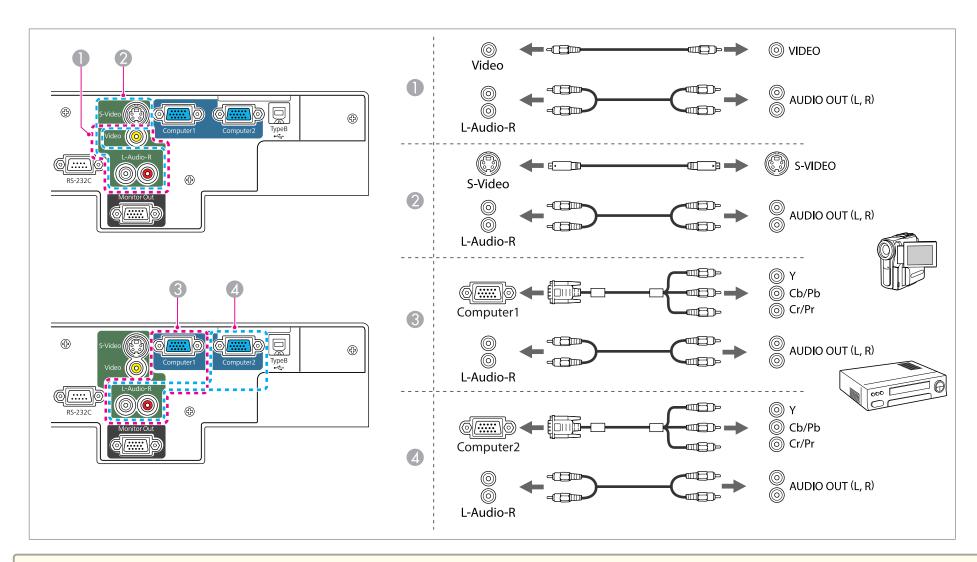
使用市售的视频电缆时



使用市售的视频电缆将图像源上的视频输出端口连接到投影机的 Video 端口。

- **使用市售的 S-视频电缆时** 使用市售的视频电缆将图像源上的视频输出端口连接到投影机的 S-Video 端口。
- ③ ④ 使用选购的分量视频电缆时
 - ☞ "选购件" 第82页

将图像源上的分量输出端口连接到投影机的 Computer1 或 Computer2 端口。



注意

- 当您将输入源连接到投影机时如果输入源处于开启状态,则可能会导致故障。
- 如果插头的方向或形状不同,请勿强制插入。否则设备可能会受损或出现故障。





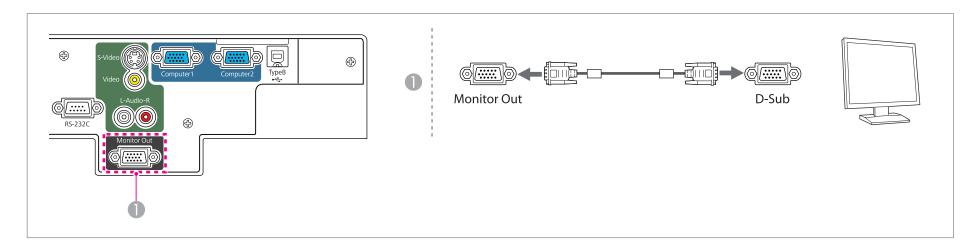
- 要从投影机的扬声器输出音频,您需要连接市售的音频电缆。
 - 如果您要连接的源拥有特殊形状的端口,请使用随设备附带的电缆或选购的电缆将其连接到投影机上。
 - 使用市售的 2RCA(L/R)/Mini-Pin 立体声音频电缆时,请确保上面标有"无电阻"。

连接外部设备

可通过连接外部监视器输出图像。

● 将图像输出到外部监视器时

使用随外部监视器提供的电缆将外部监视器连接到投影机的 Monitor Out 端口。





- 如果将**待机模式**设为**通讯开启**,则即使投影机处于待机模式,也可以执行下列操作。
- 将图像输出到外部监视器
- 扩展 待机模式 第53页
- 只有来自 Computer1 端口的模拟 RGB 信号可以输出到外部监视器。不能输出来自其他端口的信号输入或分量视频信号。
- 梯形校正等功能的设定量规、配置菜单或帮助画面无法输出到外部监视器上。

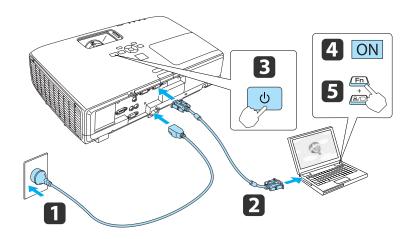


基本的使用

本章介绍如何投影和调节图像。

从安装到投影

本节说明使用随附的计算机电缆将投影机连接到计算机以及投影图像的步骤。



- 用电源线将投影机连接到电源插座。
- 用计算机电缆将投影机连接到计算机。
- 3 打开投影机。
- 4 启动计算机。
- **5** 切换计算机的屏幕输出。 使用便携式计算机时,您需要切换计算机的屏幕输出。 按住 Fn 键(功能键),然后按 昌/□ 键。



为 切换的方法因所用的计算机而异。请参阅计算机随附的说明文 件。

- 按下控制面板或遥控器上的 [Source Search] 按钮。
 - ☞ "自动探测输入信号,并切换投影图像(源搜索)" 第24页
- 在遥控器上按下目标端口的按钮。
 - ☞ "通过遥控器切换至目标图像" 第24页



投影图像后,如果必要,请调节图像。

- "校正梯形失真" 第25页
- ☞ "校正焦距" 第28页

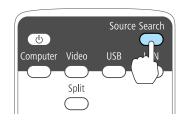


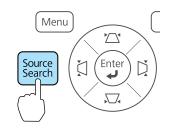
自动探测输入信号,并切换投影图像(源搜索)

按下 [Source Search] 按钮投影来自当前接收图像的端口的图像。由于仅投影来自接收图像的端口的图像,您可以快速投影想要的图像。

使用遥控器

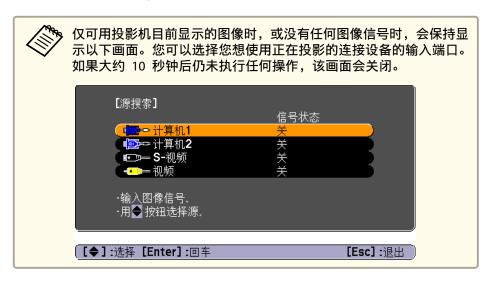






连接有两件或多件设备时,按 [Source Search] 按钮,直至目标图像投影出来。

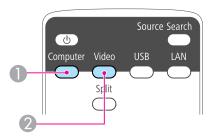
当连接了视频设备时,请在开始该操作前开启重放。



通过遥控器切换至目标图像

您可以通过按下遥控器上的下列按钮来直接切换到目标图像。

遥控器

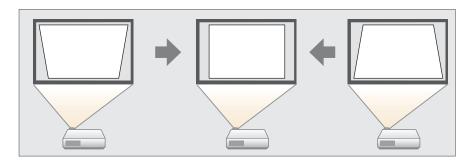


- 每次按下该按钮,将在以下图像间切换。
 - Computer1 端口
 - Computer2 端口
- ② 每次按下该按钮,将在以下图像间切换。
 - S-Video 端口
 - Video 端口

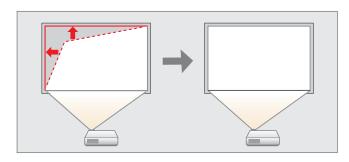
校正梯形失真

您可以使用以下方法之一校正梯形失真。

水平/垂直梯形校正 分别手动校正水平和垂直失真。此功能可让您轻松进行校正。



● Quick Corner 分别手动校正四个角。此功能可让您进行更为精确的梯形校正。





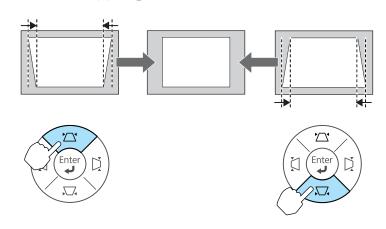
校正梯形失真时,投影的图像可能会缩小。

水平/垂直梯形校正

分别手动校正水平和垂直失真。

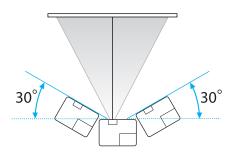
校正垂直梯形失真。

垂直梯形校正最高可以与屏幕成 30° 垂直投影机倾斜角。 按控制面板上的 [秦][秦] 按钮。

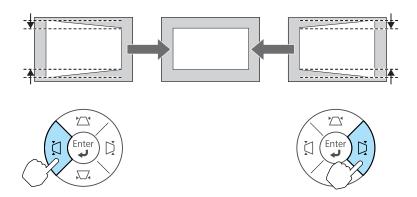


校正水平梯形失真。

水平梯形校正最高可以与屏幕成 30° 水平投影机倾斜角。



按控制面板上的 [(ロ)][ロ] 按钮。





您可以从配置菜单设定水平/垂直梯形校正。

● 设定 - 梯形校正 - 水平/垂直梯形校正 第52页

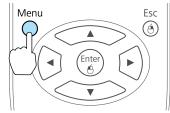
Quick Corner

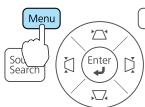
这使您可以分别校正投影图像四角中的每个角。

- 投影期间按 [Menu] 按钮。
 - "使用配置菜单" 第47页

使用遥控器







从**设定**中选择**梯形校正**。



选择 Quick Corner, 然后按 [Enter] 按钮。





[◆/◆]:选择 [Enter]:回车 [Esc]:返回(按住2秒以重设/切换)

4 使用遥控器上的 []、[]、[] 和 [] 按钮,或控制 面板上的 []、[]、[] 和 [] 按钮选择要校正的角,然后 按 [Enter] 按钮。



5 使用遥控器上的 [_____]、[_____]、[____]、[___] 和 [____] 按钮或控制面 板上的 [_____]、[_____]、[____] 和 [____] 按钮,校正角的位置。

按下 [Enter] 按钮,则显示步骤 4 的屏幕。

如果形状调节方向上的三角形变为灰色(如下面的屏幕截图所示),则不能再沿该方向调节形状。



- 按照需要重复步骤 4 和 5 以调节任何剩余的角。
- 完成调节时,请按 [Esc] 按钮退出校正菜单。由于梯形校正被更改为 Quick Corner,当您下一次按下控制面板上的 [②]、[③]、[①] 和 [①] 按钮时,会显示步骤 3 的角选择画面。如果您想要使用控制面板上的 [②]、[②]、[①] 和 [②] 按钮执行水平和垂直校正,请将梯形校正更改为水平/垂直梯形校正。
 - ☞ 设定 梯形校正 水平/垂直梯形校正 第52页



如果使用 Quick Corner 校正时按住 [Esc] 按钮约两秒钟,则会显示下列屏幕。



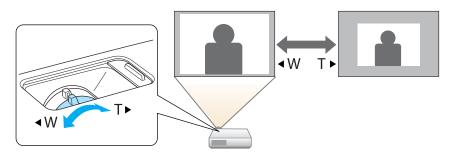
重设Quick Corner: 重设 Quick Corner 校正的结果。 切换至水平/垂直梯形校正: 将校正方法切换为水平/垂直梯形 校正。

☞ "设定菜单" 第52页

调节图像大小

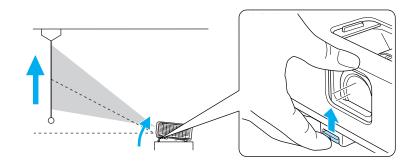
请旋转变焦环调节投影图像的大小。

变焦环在滑盖下面。



调节图像位置

按下撑脚杆,以便展开和缩回前撑脚。您可以将投影机最多倾斜 10 度, 以调节图像位置。



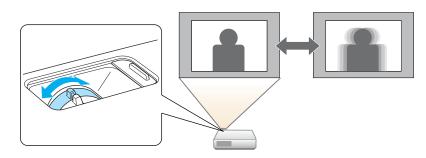


倾斜的角度越大,聚焦越难。安装投影机时使其只需倾斜很小的角 度。

校正焦距

您可以使用聚焦环校正焦距。

聚焦环在滑盖下面。



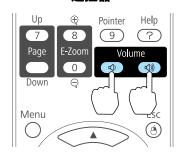


调节音量

您可以使用以下方法之一调节音量。

● 按遥控器上的 [Volume] 按钮调节音量。

遥控器



[Ф] 减小音量。 [剑] 增大音量。

- 从配置菜单调节音量。
 - 设定 音量 第52页



⚠ 注意

请勿在高音量启动。

突然发出过大的音量有可能会导致听力失聪。在关机之前务必降低音量,以 便开机后逐渐增大音量。

选择投影质量(选择颜色模式)

投影时,只需简单地选择与环境最相适应的设定,就能很容易地获得最佳 的图像质量。图像亮度根据选择的模式而变化。

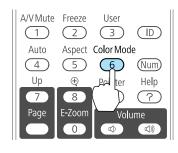
模式	应用
动态	此模式最适合于在明亮的房间内使用。这是最亮的 模式,同时会呈现阴影效果。
上演	此模式最适合于在明亮的房间内使用彩色资料进行 演示。

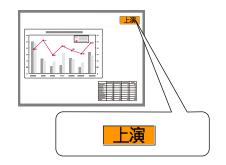
模式	应用
剧院	最理想在黑暗的房间观看电影。给图像带来自然色调。
照片*1	最理想在光亮的房间投影静止画面,如相片。图像 生动,对比强烈。
运动*2	最理想在明亮的房间玩视频游戏。图像生动,活灵 活现。
sRGB	最适合于投影符合 sRGB 颜色标准的图像。
黑板	即使在黑板(绿板)上投影,这个设定会给图像带来自然色调,好像在屏幕上投影一样。
白板	该设定最适合于使用白板进行演示。
自定义	如果您要在配置菜单的 颜色调节 子菜单中调节 R、G、B、C、M 和 Y 设定,请选择 自定义 。

- *1 仅可用于输入 RGB 信号时。
- *2 当输入分量视频信号、S-视频信号或复合视频信号时,可以选择此模式。

每次按下 [Color Mode] 按钮, 颜色模式名称会显示在屏幕上, 并且颜色 模式会改变。

遥控器







🦠 您可以从配置菜单设定颜色模式。

● 图像 - 颜色模式 第50页



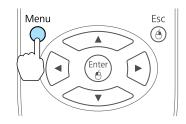
设定自动光圈

通过按显示图像的亮度自动设定光亮,可让您欣赏到深层次和丰富的图像。

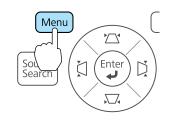
1 按 [Menu] 按钮。

● "使用配置菜单" 第47页

使用遥控器



使用控制面板



2 从**图像**选择**自动光圈**。



- **3** 选择开。 该设定存储对应于各颜色模式。
- 🚹 按 [Menu] 按钮可结束设置步骤。



仅当**颜色模式**为**动态、剧院**或**自定义**时,才可设定自动光圈。

改变长宽比

在连接有视频设备时,更改<u>长宽比</u>, 以便以 16:9 的宽屏格式观看数字视频或 DVD 上录制的图像。以全尺寸投影计算机图像时,请改变长宽比。

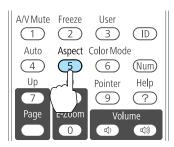
可用的外观模式因当前投影的图像信号而定。

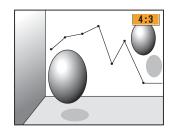
更改方法以及外观模式类型如下。

改变方法

每次按下 [Aspect] 按钮,外观模式名称会显示在屏幕上,并且长宽比会改变。

遥控器







您可以从配置菜单设定长宽比。

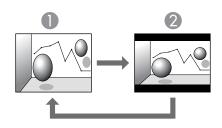
● 信号 - 外观 第51页

改变外观模式

从视频设备投影图像

每次在遥控器上按下 [Aspect] 按钮,会按照 **4:3、16:9** 的顺序切换外观模式。

当输入 720p/1080i 信号并且外观模式设为 4:3 时,将应用 4:3 的缩放 (左右侧图像被切)。



- 4:3
- 2 16:9

从计算机投影图像

每次在遥控器上按下 [Aspect] 按钮,会按照 **正常、4:3、16:9** 的顺序切换外观模式。

以下列出了每个外观模式的投影示例。

外观模式	输入信号	
	XGA 1024x768 (4:3)	WXGA 1280x800 (16:10)
正常 4:3		
16:9		



如果图像的某些部分丢失,请根据计算机面板的尺寸,从配置菜单将 **分辨率**设定为**宽屏或正常**。

☞ 信号 - 分辨率 第51页

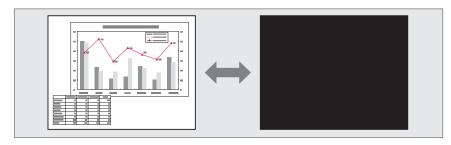


有用功能

本章介绍有用的演示技巧和安全功能。

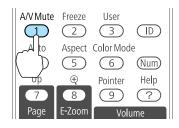
暂时隐去图像和声音(A/V无声)

当您想把听从的注意力集中到您的讲话上时,或者如果您不想显示详细资料时(例如当您在从计算机演示的过程中切换文件时),可以使用该功能。



每次按下 [A/V Mutel 按钮, A/V无声就会打开或关闭。

遥控器





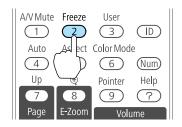
- 若在投影移动图像时使用这个功能,图像和声音会由信号源继续播放,因此不能返回至启动 A/V无声时的点。
 - 从配置菜单按下了 [A/V Mute] 按钮时,您可以选择显示的屏幕。 **☞ 扩展** 显示 **A/V**无声 第53页
 - 在A/V无声期间灯泡仍然亮着,因此灯时将继续累积。

使图像静止(静止)

当在运动的图像上启动静止时,静止的图像仍会在屏幕上继续投影,所以您可以一次一帧地(像静止照片)投影运动图像。此外,如果事先启动了静止功能,则您可以在不投影任何图像的情况下从计算机执行操作,例如在演示中切换文件。

每次按下 [Freeze] 按钮,静止就会打开或关闭。

遥控器

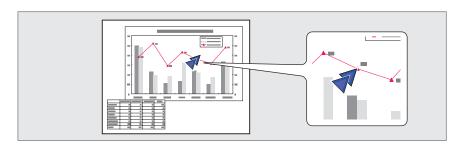




- 音频不会停止。
- 对于运动图像,在画面静止时图像仍连续播放,因此无法将投影返 回至启用画面静止时的位置。
- 如果在显示配置菜单或帮助画面时按下 [Freeze] 按钮,则会关闭显示的菜单或帮助画面。
- 使用E变焦功能时,静止功能仍起作用。

光标功能(光标)

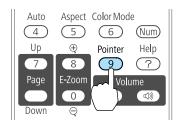
该功能使您能够在投影图像上移动光标图标,有助于将听众的注意力集中 到您正在讲解的地方。



显示光标。

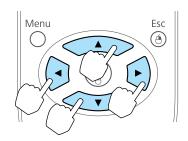
每次按下 [Pointer] 按钮, 光标会出现或消失。

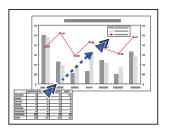
遥控器



2 移动光标图标 (√)。

遥控器





当结合邻近的 [(一)]、[(一)] 和 [(一)] 按钮按下时,光 标可对角地移动。



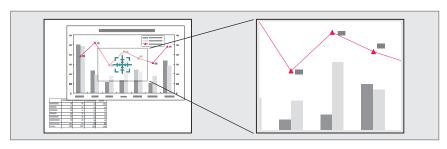
您可以使用**光标形状**设定光标图标的形状。

☞ 设定 - 光标形状 第52页



放大图像的局部(E变焦)

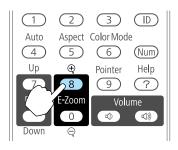
当您想放大图像,可以更详细地观看图像(例如图表和表格)时,该功能十分有用。



1 启动 E变焦。

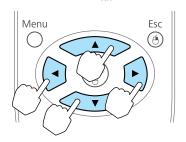
按 [⊕] 按钮显示十字(등)。

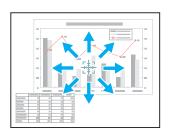
遥控器



🤈 将该十字 (🔂) 移动到您想放大的图像区域。

遥控器

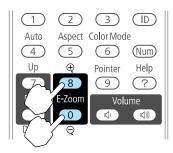




当结合邻近的 [〇一]、[〇一]、[〇] 和 [〇] 按钮按下时,光 标可对角地移动。

3 放大。

遥控器



[①] 按钮:每次按下该按钮,区域会被扩大。通过按住该按钮,您可以快速扩大图像。

[Q] 按钮:缩小已放大的图像。

[Esc] 按钮:取消E变焦。

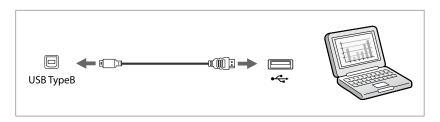


- 放大比率显示在屏幕上。能够以 25 个增量级将选定的区域 放大 1 至 4 倍。
- 放大投影期间,请按 [()]、[()] 和 [()] 按钮滚动图像。



使用遥控器来操作鼠标指针 (无线鼠标)

当使用市售的 USB 电缆连接计算机的 USB 端口和投影机上的 USB (TypeB) 端口时,可使用遥控器控制计算机的鼠标光标。



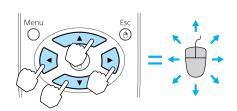
此选项在从连接到 Computer1 或 Computer2 端口的计算机投影时可用。 以下操作系统兼容无线鼠标。

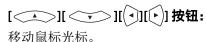
	Windows	Mac OS
操作系统	Windows 98	Mac OS X 10.3.x
	Windows 98SE	Mac OS X 10.4.x
	Windows Me	Mac OS X 10.5.x
	Windows 2000	Mac OS X 10.6.x
	Windows XP	
	Windows Vista	
	Windows 7	

对于某些版本的操作系统,可能不能使用无线鼠标功能。

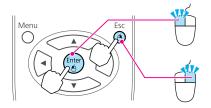
一旦完成连接,就可按如下操作鼠标光标。

移动鼠标指针





鼠标单击

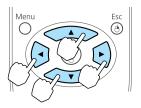


[Enter] 按钮:左击。快速连按两次为双

击。

[Esc] 按钮: 右击。

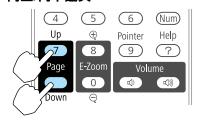
拖放



在按住[Enter] 按钮的同时,按[(__________]、 [(_________]、[(________]] 和 [(__________]] 按钮。

松开 [Enter] 按钮以放置到所需位置。

向上/向下翻页



[Up] 按钮:移至上一页。 [Down] 按钮:移至下一页。





- 当结合邻近的 [()]、[()] 和 [()] 按钮按下时, 光标可对角地移动。
- 如果在计算机上将鼠标按钮设置设定为相反,那么遥控器按钮的操作也会是相反的。
- 使用下列功能时,不能使用无线鼠标功能。
- 显示配置菜单时
- 显示帮助菜单时
- 使用 E变焦功能时
- 当捕获用户标识时
- 正在使用光标功能时
- 当调节音量时
- 正在显示测试图样时
- 设定颜色模式时
- 显示颜色模式名称时
- 显示源名称时
- 切换输入源时

设定识别号和使用遥控器

为投影机和遥控器设定了识别号时,只能使用遥控器操作具有匹配识别号的投影机。当管理多台投影机时,这非常有用。

您可将投影机的识别号设定在"1"到"9"范围内。默认值为"关"。

可将遥控器的识别号设定在"0"到"9"范围内。默认值为"0"。下表显示了投影机ID与遥控器识别号之间的可能组合形式。

操作		组合	说明
可能		投影机ID: 1	投影机识别号和遥控器识别 号相同,因此您可以用遥控 器来操作投影机。
	0.000	遥控器识别号: 1	

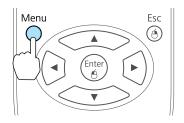
操作		组合	说明
可能		投影机ID: 关	当投影机ID为关时,可使用 遥控器进行操作,而不管遥 控器的识别号设定如何。
		遥控器识别号: 1	
可能		投影机ID: 1	当遥控器的识别号为"0"时,可使用遥控器进行操作,而不管投影机的识别号
	0.000	遥控器识别号: 0	设定如何。
不可能		投影机ID: 1	投影机ID和遥控器识别号不 匹配,因此您不能用遥控器 来操作投影机。
		遥控器识别号: 3	



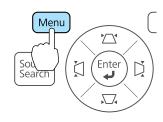
设定投影机识别号

- 🚹 投影期间按 [Menu] 按钮。
 - ◆ "使用配置菜单" 第47页

使用遥控器



使用控制面板



从扩展中选择**投影机ID**。



3 选择您想设定的识别号,并按下 [Enter] 按钮。



4 按 [Menu] 按钮可结束设置步骤。

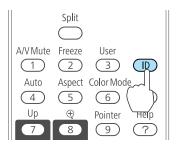
设定遥控器识别号

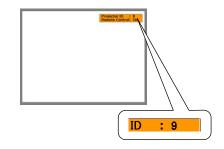
每次开启投影机电源时,在遥控器上设定识别号。当投影机开启时,遥控器识别号设为"0"(即您可以用遥控器操作投影机,而不管投影机 ID的设定如何)。

1 将遥控器指向目标投影机的遥控接收窗,然后按下遥控器上的 [ID] 按钮。

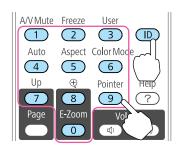
按下 ID 按钮时, 当前投影机 ID 就会显示在投影屏幕上。大约三秒钟后, 投影机识别号消失。

遥控器





2 按住 [ID] 按钮的同时按与您想操作的投影机的识别号匹配的数字按钮。



一旦进行了此设定,可用遥控器操作的投影机就会受到限制。



当您关闭投影机电源时,遥控器识别号重设为"0"(即您可以用遥控器操作投影机,而不管投影机识别号的设定如何)。

从多台投影机投影时校正颜色

当设定了多台投影机同时投影图像时,您可以使用多屏幕颜色调节功能校正各台投影机的图像亮度和色调,使各台投影机图像的颜色基本一致。



在某些情况下,即使校正后亮度和色调也可能不完全匹配。

校正步骤概要

安装了多台投影机并且需要进行校正时,请使用以下步骤一次校正一台投影机。

1. 设定投影机识别号和遥控器识别号

为目标投影机设定一个投影机识别号,并为遥控器设定相同的识别号,以便 将操作限制在一台目标投影机上。

☞ "设定识别号和使用遥控器" 第37页

2. 校正色差

从多台投影机投影时,可执行颜色校正。您可以分五个级别(称为档位 1 到 5)从黑到白进行调节,并且在每个档位中可以调节下列两项。

- 校正亮度 您可将图像亮度校正到全部相等。
- 校正颜色 可以校正图像颜色,使它们极其匹配。

校正

设定了投影机后、请校正每台投影机的亮度和色调、以减小差异。

- 1 按 [Menu] 按钮。
 - ☞ "使用配置菜单" 第47页
- **ノ** 从**扩展**中选择**多屏幕调节**。



3 在**调整级数**中选择要校正的档位。

- 每次选择一个档位时, 会显示所选档位的样式。
- 您可以从任何档位开始校正,通常您可以通过校正 1 至 5 或 5 至 1 来使图像更暗或更亮。

1 使用**亮度校正**校正亮度。

- 当您选择**级数5**时,这数台投影机的所有图像都会调节为最暗的图像。
- 当您选择**级数1**时,这数台投影机的所有图像都会调节为最亮的图像。
- 当您选择**级数2**至**级数4**时,这数台投影机的所有图像都会调节为中间亮度的图像。
- 由于每次按下 [Enter] 按钮时,显示的图像都将在图样显示和实际 图像之间相互切换,因此您可以检查校正结果,并可以在实际图 像中进行校正。
- **5** 校正**色彩校正**(**G**/**R**)和**色彩校正**(**B**/**Y**)设定。
- **6** 重复步骤 3 到 5,直到完成校正。
- **了** 当完成所有校正时,按下 [Menu] 按钮以完成设定。

保存用户标识

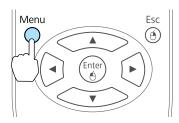
可以将当前投影的图像保存作为用户标识。



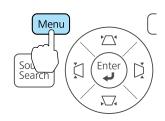
一旦保存了用户标识,该标识将无法回到默认状态。

- 1 投影您要存为用户标识的图像,然后按 [Menu] 按钮。
 - ☞ "使用配置菜单" 第47页

使用遥控器







2 从**扩展**中选择**用户标识**。





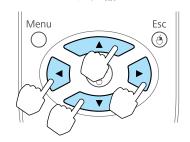
- 如果从**密码保护**中将**用户标识保护**设定为**开**,则会显示一条 消息,并且不能更改用户标识。可在将**用户标识保护**设定为 **关**之后再进行更改。
 - ☞ "管理用户(密码保护)" 第42页
- 如果在执行梯形校正、E变焦或外观时选择了**用户标识**,就会 取消当前正在执行的功能。
- **3** 当显示"选择当前图像作为用户标识?"消息时,选择**是**。

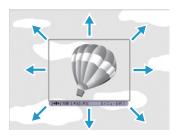


当按下遥控器或控制面板上的 [Enter] 按钮时,为匹配图像信号的实际分辨率,屏幕尺寸有可能会根据信号而改变。

移动此框,以便选择要用作用户标识的图像部分。 您可以从投影机的控制面板执行相同的操作。

遥控器







可保存的尺寸为 400x300 点。

- **5** 按下 [Enter] 按钮并显示"是否选择该图像? "消息时,请选择**是**。
- 6 从变焦设定屏幕选择变焦率。



3 当显示"是否将图像保存为用户标识?"消息时,选择**是。** 该图像被保存。保存图像之后,显示"完成。"消息。



- 保存用户标识时,之前的用户标识会被删除。
- 保存用户标识可能需要约 15 秒。保存时,不要操作投影机 或者任何连接的设备,否则可能发生故障。



该投影机具有下列加强的安全功能。

- 密码保护 您可以限制谁可以使用该投影机。
- 控制面板锁定 您可以防止有人未经允许便更改投影机上的设定。
- ☞ "限制操作(控制面板锁定)" 第43页
- 防盗锁 本投影机具有以下防盗安全机制。
- ☞ "防盗锁" 第45页

管理用户 (密码保护)

当启动密码保护功能时,即使投影机电源打开,不知道密码的人也不能使 用投影机。另外,不能更改打开投影机时显示的用户标识。这可以作为防 盗装置,因为即使投影机被盗,也不能使用。购买时,未启用密码保护功 能。

密码保护类型

可以根据投影机的使用方法进行以下三种密码保护设定。

• 电源开启保护

当**电源开启保护**设定为开时,您需要在投影机接入电源并打开后输入预 设的密码(这同样适用于直接开机)。如果没有输入正确的密码、投影 不会开始。

• 用户标识保护

如果有人试图更改投影机所有者设定的用户标识,将无法得逞。当用户 标识保护设定为开时,则禁止对用户标识进行下列设定更改。

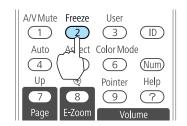
- 捕获用户标识
- 从显示中设定显示背景、启动屏幕或A/V无声
 - ◆ 扩展 显示 第53页

设定密码保护

使用以下步骤设定密码保护。

投影过程中,按住[Freeze]按钮大约五秒钟。 显示密码保护设置菜单。

遥控器





- 如果已经启用了密码保护, 您必须输入密码。 如果正确地输入了密码,会显示密码保护设置菜单。
- "输入密码" 第43页
- 设定密码后,请将随附的密码保护不干胶标签贴在投影机上 的可见位置,作为进一步的防盗措施。
- 选择您想要设定的密码保护类型,然后按 [Enter] 按钮。



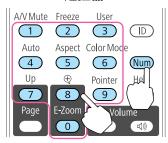


选择开,然后按 [Enter] 按钮。 按 [Esc] 按钮,会再次显示步骤 2 中显示的画面。

4 设定密码。

- (1) 选择**密码**, 然后按 [Enter] 按钮。
- (2) 显示"是否更改密码?"消息时,请选择**是**,然后按[Enter]按钮。默认密码设定为"0000"。请将此更改为您想要的密码。如果选择**否**,会再次显示步骤 2 所显示的画面。
- (3) 按住 [Num] 按钮的同时,用数字按钮输入 4 位数的数字。输入的数字以"****"显示。当您输入第四位数字时,显示确认屏幕。

遥控器



(4) 重新输入密码。 将显示"密码已被接受。"。 如果输入的密码不正确,会显示一条消息提醒您重新输入密码。

输入密码

当显示密码输入屏幕时,使用遥控器上的数字按钮输入密码。 在按住 [Num] 按钮的同时,按数字按钮输入密码。



输入正确的密码后,密码保护会被暂时解除。

注意

- 如果连续三次输入不正确的密码,将显示"将锁定投影机操作。"消息约五分钟,然后投影机会切换到待机模式。如果出现这种情况,请从电气插座上拔下电源插头,然后重新插入并再次打开投影机的电源。投影机再次显示密码输入屏幕,以便您可以输入正确的密码。
- 如果忘了密码,请记下屏幕上出现的"**请求代码**: xxxxx"数字,并与 Epson 投影机联系清单中与您最近的地址联系。
- **☞** Epson投影机联系清单
- 如果连续重复上述操作且输入错误密码三十次,会显示以下消息,并且投影机将不再接受任何密码输入。"将锁定投影机操作。""按说明文件所述的方法与Epson联系。"
 - **☞** Epson投影机联系清单

限制操作(控制面板锁定)

执行以下操作之一可锁定控制面板上的操作按钮。

● 完全锁闭 锁定控制面板上的所有按钮。您不能从控制面板上执行任何操作,包括 打开或关闭电源。

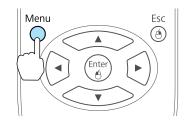


●部分锁定 锁定控制面板上除 [心] 之外的所有按钮。

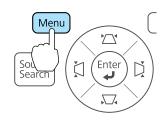
在举办活动或做展示时,如果您想在投影过程中停用所有按钮,或者在学校里当您想限制按钮操作时,该项功能很有用。仍可使用遥控器操作投影机。

- 1 投影期间按 [Menu] 按钮。
 - "使用配置菜单" 第47页

使用遥控器



使用控制面板



入 从设定中选择控制面板锁定。



? 根据用途选择**完全锁闭**或**部分锁定**。



4 当显示确认消息时,选择**是**。

根据您选择的设定锁定控制面板按钮。



您可以通过下列两种方法之一解除控制面板锁定。

- 从**控制面板锁定**中选择**关**。
- ☞ 设定 控制面板锁定 第52页
- 按住控制面板上的 [Enter] 按钮约 7 秒钟,此时会显示一条 消息,随即解除锁定。



防盗锁

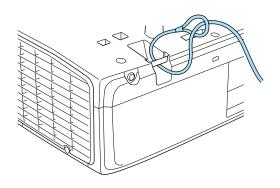
本投影机安装有以下类型的防盗安全装置。

- 防盗安全锁孔 该防盗安全锁孔与 Kensington 公司生产的微型存放保安系统兼容。 有关微型存放保安系统的详细信息,请参阅以下内容。
- http://www.kensington.com/
- 安全电缆安装点 可使用市售的防盗线锁穿过此安装点,而将投影机固定在桌子或柱子 上。

安装线锁

将防盗线锁穿过该安装点。

有关锁定说明, 请参阅线锁随附的说明文件。





配置菜单

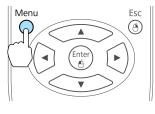
本章介绍如何使用配置菜单及其功能。



本节说明如何使用配置菜单。

虽然以下步骤是以遥控器为例进行说明的,但您可以在控制面板上执行同样的操作。有关可用的按钮以及操作的信息,请勾选菜单下的指南。

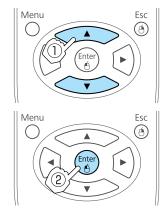
1 显示配置菜单画面。





[Esc]/[Enter]:返回 [◆]:选择 [Menu]:退出

2 选择主菜单项。

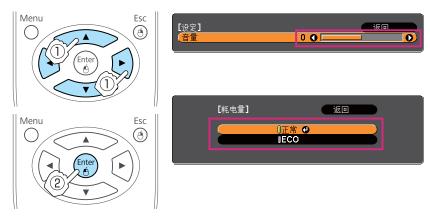




3 选择子菜单项。



1 更改设定。



5 按 [Menu] 按钮完成设定。



配置菜单表

可设定的项目因所用的机型和投影的图像信号及源而异。

主菜单名称	子菜单名称	设定值
图像菜单 ☞ 第50页	颜色模式	动态、上演、剧院、照片、 sRGB、黑板、白板和自定义
	亮度	-24 - 24
	对比度	-24 - 24
	饱和度	-32 - 32
	色调	-32 - 32
	清晰度	-5 - 5
	绝对色温	5000K至10000K
	颜色调节	红: -16至16
		绿: -16至16
		蓝: -16 至 16
		R: -64 至 64
		G: -64至64
		B: -64至64
		C: -64至64
		M: -64 至 64
		Y: -64 至 64
	自动光圈	开和关
信号菜单	自动设置	开和关
☞ 第51页	分辨率	自动、宽屏和正常
	跟踪	依输入信号而异。
	同步	0 - 31
	位置	上、下、左和右
	逐行	关、视频和电影/自动
	降噪	关、NR1 和 NR2

主菜单名称	子菜单名称	设定值
	输入信号	自动、RGB 和分量
	视频信号	自动、NTSC、NTSC4.43、PAL、 M-PAL、N-PAL、PAL60 和 SECAM
	外观	正常、4:3 和 16:9
	过扫描	关、4%和8%
设定菜单 ☞ 第52页	梯形校正	水平/垂直梯形校正和 Quick Corner
	控制面板锁定	完全锁闭、部分锁定和关
	光标形状	光标1、光标2、光标3
	耗电量	正常和ECO
	音量	0 - 20
	遥控接收器	前/后、前、后和关
	用户按钮	耗电量、信息、逐行、测试图 样、多屏幕调节和分辨率
	测试图样	-
扩展菜单 ☞ 第53页	显示	信息、显示背景、启动屏幕和 A/V无声
	用户标识	-
	投影	前、前/吊顶、后和后/吊顶
	操作	直接开机、睡眠模式、睡眠模式 时间和高海拔模式
	待机模式	通讯开启和通讯关闭
	空气过滤网设定	清洁通知、清洁通知计时
	投影机ID	关和1到9
	多屏幕调节	调整级数、亮度校正、色彩校正 (G/R) 和色彩校正(B/Y)
	语言	5种语言
信息菜单	灯时	-



主菜单名称	子菜单名称	设定值
● 第55页	源	-
	输入信号	-
	分辨率	-
	视频信号	-
	刷新频率	-
	同步信息	-
	状态	-
	序号	-
重设菜单	全部重设	-
● 第55页	灯时重设	-



图像菜单

可设定的项目因当前投影的图像信号和源而异。为每个图像信号存储设定细节。

◆ "自动探测输入信号,并切换投影图像(源搜索)" 第24页



[Esc]/[Enter]:返回 [◆]:选择 [Menu]:退出]

子菜单	功能
颜色模式	您可以选择图像的质素以配合您的环境。 ☞ "选择投影质量(选择颜色模式)"第29页
亮度	您可以调节图像的亮度。
对比度	您可以调节图像的明暗差。
饱和度	(只有当输入分量视频、复合视频或 S-视频信号时才能进行调节。) 您可以调节图像的饱和度。
色调	(输入分量视频信号时可进行调节。如果输入为复合视频或 S-视频信号,则只有输入 NTSC 信号时才能进行调节。) 您可以调节图像的色调。
清晰度	您可以调节图像的清晰度。

子菜单	功能
绝对色温	(如果 颜色模式 设为 <u>sRGB</u>),则不能选择此项目。) 您可以调节图像的整体色调。可以分 10 个级别从 5000 K到 10000 K调节色调。当选择高值时,图像带有蓝色调;当选 择低值时,图像带有红色调。
颜色调节	(如果 颜色模式 设为 <u>sRGB</u> →,则不能选择此项目。) • 颜色模式 设为 自定义 以外的设定时:您可以分别调节 红、绿和蓝 的色彩强度。 • 颜色模式 设为 自定义 时:您可以分别调节 R (红色)、 G (绿色)、 B (蓝色)、 C (青色)、 M (洋红色)和 Y (黄色)的 色相、饱和度 和 亮度 。
自动光圈	(只有在 颜色模式 设为 动态、剧院 或 自定义 时才能设置此项目。) 设定为 开 可调节光圈,以获得投影图像的最佳光线。 该设定存储对应于各颜色模式。 ● "设定自动光圈" 第30页
重设	您可以将 图像 菜单功能的所有调节值重置为其默认设定。 要将所有菜单项目恢复为默认设定,请参阅以下内容。 ☞ "重设菜单" 第55页



信号菜单

可设定的项目因当前投影的图像信号和源而异。为每个图像信号存储设定细节。

◆ "自动探测输入信号,并切换投影图像(源搜索)" 第24页



子菜单	功能
自动设置	(仅在输入计算机的模拟 RGB 信号时可用。) 设定为 开 可以在输入信号更改时自动将图像调节至最佳状态。
分辨率	(仅在输入计算机的模拟 RGB 信号时可用。) 设定为 自动 可自动确定输入信号的分辨率。如果设定为 自动 时无法正确投影图像(如部分图像丢失),请根据所连接计算机的情况进行调节:若为宽屏,则调节至 宽屏 ;而若为 4:3 或 5:4 屏幕,则调节至 正常 。
跟踪	(仅在输入计算机的模拟 RGB 信号才可进行调节。) 图像上出现垂直条纹时,您可以调节计算机图像。
同步	(仅在输入计算机的模拟 RGB 信号才可进行调节。) 图像上出现闪烁、模糊不清或干扰时,您可以调节计算机 图像。

子菜单	功能
位置	图像的某些部分缺失时,您可以通过上下左右调节显示位置,以便投影出整幅图像。
逐行	(输入复合视频或 S-视频信号时可进行此项设定。如果输入分量视频,则只有输入的是 480i/576i/1080i 信号时,才能进行此项设定。 隔行 (i) 信号被转换为 <u>逐行</u> (p)。(IP 转换) 关:最适用于含有大量活动的图像。 视频:最适用于查看一般视频图像。 电影/自动:最适用于电影、计算机图形和动画。
降噪	(显示隔行信号并且 逐行 设为 关 时,无法设定此项。) 去除图像上的噪点。共有两种模式。可根据个人喜好进行 选择。查看噪点很低的图像源(如 DVD)时,建议将该项 设定为 关 。
输入信号	您可以选择来自 Computer1 端口或 Computer2 端口的输入信号。 如果设定为 自动 ,则根据所连接的设备自动设定输入信号。 如果设定为 自动 时颜色显示不正确,则请根据连接的设备 选择适当的信号。
视频信号	您可以选择来自 S-Video 端口或 Video 端口的输入信号。如果设定为 自动 ,则自动识别视频信号。如果设定为 自动 时图像上出现干扰或出现无法投影图像等故障,则请根据连接的设备选择适当的信号。
外观	您可以为所投影图像设定 <u>长宽比</u> ♪。 "改变长宽比" 第30页
过扫描	(只有输入分量视频信号时才可设定此项。) 更改输出图像比(投影图像的范围)。您可以将裁切范围 设定为 关、4% 或 8% 。
重设	除信号之外,您可以将输入信号菜单上的所有调节值重设为其缺省设定。 要将所有菜单项目恢复为默认设定,请参阅以下内容。 "重设菜单"第55页



设定菜单



子菜单	功能
梯形校正	您可以校正梯形失真。 • 选择了水平/垂直梯形校正时: 调节垂直梯形校正和水平梯形校正以校正水平和垂直梯形失真。 • 选择了 Quick Corner 时: 选择并校正投影图像的四个角。 《 "Quick Corner" 第26页
控制面板锁定	您可以使用该功能限制投影机控制面板的操作。 "限制操作(控制面板锁定)" 第43页
光标形状	您可以选择光标的形状。 光标1:

子菜单	功能
耗电量	您可以将灯泡的亮度设为两种设定中的一种。 如果所投影的图像太亮(例如在黑暗的室内或在小屏幕上 投影时),请选择 ECO 。选择了 ECO 时,耗电量会发生如 下改变,而且投影过程中风扇旋转的噪音会降低。 耗电量:减少约 16%
音量	您可以调节音量。为每个源存储设定值。
遥控接收器	您可以从遥控器限制操作信号的接收。 设定为 关 时,您无法从遥控器执行任何操作。如果您想要 从遥控器进行操作,请按住遥控器或控制面板上的 [Menu] 按钮至少 15 秒,将设定重设为默认值。
用户按钮	您可使用遥控器的[User]按钮从配置菜单选择项目。按[User]按钮会显示已分配的菜单项选择/调节屏幕,从而让您可以进行单触式设定/调节。可向[User]按钮分配以下项目之一。 耗电量、信息、逐行、测试图样、多屏幕调节和分辨率
测试图样	当设定了投影机时,显示测试图样,以便您可以在不连接 其他设备的情况下调节投影。显示测试图样时,您可以执 行梯形校正、变焦调节和焦距调节。 要取消测试图样,请按遥控器或控制面板上的 [Esc] 按钮。
重设	除用户按钮之外,您可以将设定菜单上的所有调节值重设为其默认设定。 要将所有菜单项目恢复为默认设定,请参阅以下内容。 ☞ "重设菜单" 第55页



扩展菜单



[Esc] /[Enter]	:返回 [◆]:选择	[Menu]:退出

子菜单	功能
显示	您可以进行与投影机显示有关的设定。
	信息 :当设为 关 时,将不显示以下项目。
	更改了源、颜色模式或长宽比时的项目名称、无信号输入时的消息和诸如高温警告等警告。
	显示背景*1 :您可以将无图像信号输入时的屏幕背景设定为 黑、蓝或标识 。
	启动屏幕* 1:设定为 开 可在投影机启动时显示 用户标识 。
	A/V无声* 1: 您可以将按下了遥控器的 [A/V Mute] 按钮时显示的屏幕设定为 黑、蓝 或 标识 。
用户标识*1	
	☞ "保存用户标识" 第40页

子菜单	功能
投影	视投影机的安装方式而定,请从以下投影方法中进行选择。 前、前/吊顶、后和后/吊顶 您可以通过按住遥控器上的 [A/V Mute] 按钮约五秒钟来按 如下方式更改设定。 前↔前/吊顶 后↔后/吊顶 ☞ "安装方法" 第16页
操作	直接开机:设定为开后只需插入电源即可开启投影机。插入电源线后,则应注意在发生停电后又恢复供电等情况下投影机会自动启动。 睡眠模式:此设定设为开时,若在一定时间内没有输入图像信号也未执行任何操作,则电源将自动关闭。 睡眠模式时间:当睡眠模式设定为开时,可以在 1 到 30分钟内设定时间,使投影机在该时间之后自动关闭。 高海拔模式:在海拔 1500 m 以上使用本投影机时,请将此项设定为开。
待机模式	如果设为 通讯开启 ,则即使投影机处于待机模式,也可以执行下列操作。 • 将图像输出到外部监视器。
空气过滤网设定	清洁通知 :设为 开 时,若有需要清洁空气过滤网,投影机显示警告消息。 清洁通知计时 :设置空气过滤网清洁通知的计时。
投影机ID	将该 ID 设定为 1 到 9 之间的一个数字。关表示未设定 ID 。 "设定投影机识别号" 第38页



子菜单	功能	
多屏幕调节	当设定了多台投影机并进行投影时,您可以调节每个投影图像的色相和亮度。	
	调整级数 :可以分五个级别(称为级数 1 到 5),从黑到白进行调节,并且在每个档位中可以调节"亮度校正"和"色彩校正"。	
	亮度校正 :校正每个投影机的亮度差异。	
	色彩校正(G/R)/色彩校正(B/Y) :您可校正每个投影机的颜色 差异。	
	☞ "从多台投影机投影时校正颜色" 第39页	
语言	您可以设定信息和菜单的语言。	
重设	您可以从 扩展 菜单将 显示*1、操作*2 和 空气过滤网设定 重设为默认设定。	
	要将所有菜单项目恢复为默认设定,请参阅以下内容。 "重设菜单"第55页	

- *1 当在**密码保护**中将**用户标识保护**设定为**开**时,不能更改有关用户标识的设定。 可在将**用户标识保护**设定为**关**之后再进行更改。 ☞ "管理用户(密码保护)" 第42页
- *2 高海拔模式除外。



信息菜单(仅适用于显示)

让您检视正在投影图像信号的状态和投影机的状态。可显示的项目因当前的投影源而异。

☞ "自动探测输入信号,并切换投影图像(源搜索)" 第24页



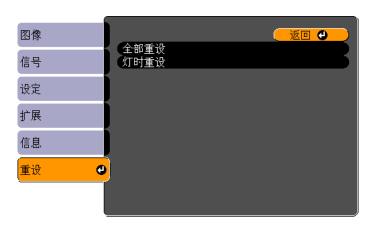
[[◆]:选择	[Menu]:退出
---------	-----------

子菜单	功能
灯时	您可以显示累计的灯泡工作时间*。 当达到灯泡的寿命警告时间时,会以黄色显示相关文字。
源	您可以显示当前正在投影的连接设备的源名称。
输入信号	您可以根据源显示在 信号 菜单中设定的 输入信号 的内容。
分辨率	您可以显示分辨率。
视频信号	您可以显示 信号 菜单中 视频信号 的设定。
刷新频率	您可以显示 <u>刷新频率</u>)。
同步信息	您可以显示图像信号信息。 如果要求维修,则可能需要该信息。
状态	这是与投影机上发生的错误有关的信息。 如果要求维修,则可能需要该信息。

子菜单	功能
序号	显示投影机的序列号。

* 第一个 10 小时,累积使用时间显示为"0H"。10 小时及以上,累积使用时间显示为"10H"、"11H",以此类推。

重设菜单



[Esc]/[Enter]:返回 [◆]:选择 [Menu]:退出

子菜单	功能
全部重设	可将配置菜单上的所有项目重设为默认设定。 下列项目不会被重设为缺省设定:输入信号、用户标识、 灯时、语言、密码、用户按钮和多屏幕调节。
灯时重设	清除累积的灯时使用时间。当更换灯泡时,请重设。



故障排除

本章介绍如何识别故障以及找到问题后要如何进行排除。

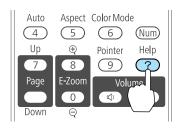


投影机发生故障时,可按 Help 按钮显示帮助画面来协助解决问题。您可通过回答问题来解决问题。

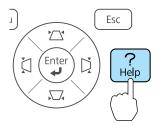
1 按 [Help] 按钮。

将显示帮助画面。

使用遥控器



使用控制面板



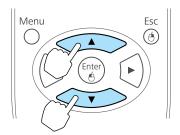
2 选择菜单项。

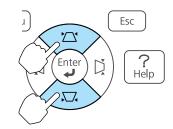


[♠]:选择 [Enter]:回车 [Help]:退出

使用遥控器



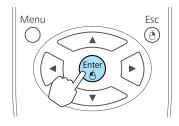


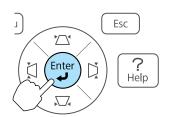


3 确认选择。

使用遥控器







问题和纠正方法如下面的屏幕中所示。 按 [Help] 按钮退出帮助。

图像较小。

- ? 缩放是否设为最小?
- ·使用变焦环改变图像大小。
- ?投影机是否太接近屏幕? ·移动投影机远离屏幕。

[Esc]:返回

[Help]:退出



如果帮助功能未提供解决问题的方法,请参阅以下内容。

☞ "解决问题" 第58页

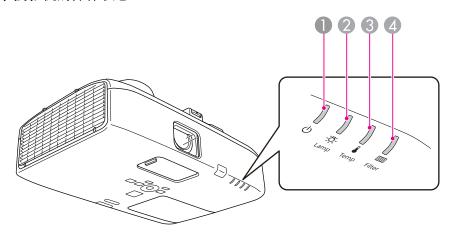


如果您对投影机有疑问,先检查投影机的指示灯,并参阅下面的"读懂指示灯"。 如果指示灯不能清楚地指明是什么问题,请参阅以下内容。

☞ "看了指示灯仍不明白时" 第62页

读懂指示灯

本投影机带有以下四种指示灯,用于提示投影机的操作状态。



● 电源指示灯

指示工作状态。

- 待机模式在此模式下按 [Φ] 按钮时,投影开始。

正在暖机 暖机时间约为 30 秒。暖机完毕后,指示灯会停止闪烁。 [ὑ] 按钮在暖机过程中不起作用。

正在投影

② 灯泡指示灯指示投影灯泡状态。③ 温度指示灯指示内部温度状态。



4 过滤网指示灯

指示空气过滤网状态。

请参考下表,理解指示灯的含义及如何纠正指示灯指示的问题。

如果所有的指示灯都不亮, 请检查电源线的连接是否正确, 电源供电是否正常。

有时在电源线拔出后, 也 指示灯会继续点亮一小段时间, 但这不是故障。

■ : 点亮 📜 : 闪烁 🗆 : 熄灭 🗖 : 根据投影机状态而变化

状态	原因	纠正方法或状态
	内部异常	请停止使用投影机,从电源插座上拔下电源线,并与当地经销商或 Epson投影机联系清单中与您最近的地址联系。
_ U	风扇异常 感应器异常	请停止使用投影机,从电源插座上拔下电源线,并与当地经销商或 Epson投影机联系清单中与您最近的地址联系。
_ U	高温异常 (过热)	灯泡自动熄灭并停止投影。等待约5分钟。约5分钟后投影机会切换到待机模式,所以请检查下列两点。
_ U	灯泡异常 点灯失败	请检查下列两点。 • 拿出灯泡并检查是否碎裂。 • "更换灯泡" 第74页 • 清洁空气过滤网。 • "清洁空气过滤网" 第71页



状态	原因	纠正方法或状态
		如果灯泡没有破碎: 重新安装灯泡并打开电源。 如果故障仍未排除: 更换新灯泡并打开电源。 如果故障仍未排除: 停止使用投影机,从电源插座上拔下电源线,并与当地经销商或 Epson投影机联系清单中提供的最近地址联系。
		如果灯泡破碎 :与当地经销商或 Epson投影机联系清单中提供的最近地址联系。(在更换灯泡前不能投影图像。) ● Epson投影机联系清单 在 1500m 或更高的地方使用投影机时,请将 高海拔模式 设定为 开 。
		☞ "扩展菜单" 第53页
-	自动光圈错误 电源错误(镇流器)	请停止使用投影机,从电源插座上拔下电源线,并与当地经销商或 Epson投影机联系清单中与您最近的地址联系。 Epson投影机联系清单
	风流量感应器异常	风流量传感器已损坏。请停止使用投影机,从电源插座上拔下电源线,并与当地经销商或 Epson投影机联系清单中与您最近的地址联系。
— U — ‡ — IIII	过滤网气流错误	请检查下列两点。
	高温警告	(这不是异常。但是,如果温度再次上升得太高,则投影会自动停止。) • 请检查空气过滤网和排气口是否清洁,投影机是否离开墙壁放置。 • 如果空气过滤网堵塞,请清洁或更换。 □ "清洁空气过滤网" 第71页, "更换空气过滤网" 第77页

状态	原因	纠正方法或状态
— Ф	更换灯泡	请用新灯泡更换。
<u>, </u>		● "更换灯泡" 第74页
□ •		如果灯泡过了更换周期后仍继续使用该灯泡,灯泡碎裂的可能性增大。应尽快用新的灯泡更换。
— Ф	风流量低下	请检查下列两点。
□ ※		• 检查空气过滤网和排气口是否堵塞,投影机是否对着墙壁放置。
□ •		● 如果空气过滤网堵塞,请清洁或更换。
; € 		● "清洁空气过滤网" 第71页, "更换空气过滤网" 第77页如果检查上述几点后故障仍未排除,请停止使用投影机,从电源插座上拔下电源插头,并与当地经销商或 Epson投影机联系清单中与您最近的地址联系。● Epson投影机联系清单
— Ф	无空气过滤网	检查空气过滤网是否安装牢固。
□ \ \\\		● "更换空气过滤网" 第77页
□ •		
□ ७	清洁空气过滤网通知	"需要清洁空气过滤网。清洁或更换空气滤网。"消息出现。清洁空气过滤网。
<u> </u>		● "清洁空气过滤网" 第71页
□ i		只有在配置菜单的 空气过滤网设定 的 清洁通知 设定为 开 时,才会显示有关清洁空气过滤网通知的指示灯或消息。
		一 扩展 - 空气过滤网设定第53页



- 如果即使所有指示灯都显示正常,投影机也不正常工作,请参阅以下内容。
 - ☞ "看了指示灯仍不明白时" 第62页
 - 如果错误未在此表中列出,请停止使用投影机,从电源插座上拔下电源线,并与当地经销商或 Epson投影机联系清单中与您最近的地址联系。
 - **■** Epson投影机联系清单



看了指示灯仍不明白时

如果出现以下任何一项问题而看了指示灯仍不明白时,请参阅有关解决该项问题的页。

与图像有关的问题

• 不显示图像 不能投影,投影区域是全黑或全蓝。	● 第63页
个比汉彩,汉彩色域定土羔以土监。	年03 贝
● 不能显示运动图像	
从计算机上投影出的运动图像显示为黑色,并且没有投影出任	第63页
何内容。	
● 投影自动停止	
	第63页
● 显示"不支持"消息	
	第64页
● 显示 "无信号"消息	
	第64页
• 图像模糊、失焦或失真	
	第64页
• 图像中出现干扰或扭曲	
	第65页
• 图像被截(变大)或者变小,或者长宽比不合适	
只显示部分图像,或者图像的高度和宽度比率不正确。	第65页
● 图像颜色不正确	
整幅图像偏紫或偏绿,图像是黑白的或颜色暗淡。	第66页
● 图像灰暗	
	第67页

投影开始时的问题

• 投影机打不开	
	第67页

其他问题

• 听不到声音或声音微弱	☞ 第68页
● 遥控器不起作用	● 第68页
• 我想更改消息和菜单的语言	● 第69页



与图像有关的问题

不显示图像

检查	纠正方法
您按下 [U] 按钮了吗?	请按[心]按钮打开电源。
指示灯都不亮吗?	电源线的连接不正确,或电源没有正常供电。 请正确连接投影机的电源线。 "从安装到投影"第23页 请检查您的电气插座或电源是否工作正常。
启动 A/V无声模式了吗?	按遥控器上的 [A/V Mute] 按钮取消A/V无声。
配置菜单设定是否正确?	全部重设设定。 ● 重设 - 全部重设 第55 页
要投影的图像是全黑的吗? (仅在投影计算机图像时)	某些输入图像(如屏幕保护)可能全黑。
图像信号格式设定正确吗? (仅在投影视频源图像时)	请根据连接设备的信号对设定进行更改。 ☞ 信号 - 视频信号 第51页

不显示移动图像 (仅移动图像部分变黑)

检查	纠正方法
计算机的图像信号输出到LCD和监视器了吗?	请将图像信号从计算机更改为仅外部输出。请查看计算机说明文件,或联系计算机制造商。
(仅在投影便携式计算机或具有内置 LCD 屏幕的计算机的图像	
时)	

投影自动停止

检查	纠正方法
睡眠模式 被设定为 开 了吗?	请按 [也] 按钮打开电源。如果不想使用睡眠模式,请将此设定更改为 关。☞ 扩展 - 操作 - 睡眠模式 第53页



显示"不支持。"消息。

检查	纠正方法
图像信号格式设定正确吗?	请根据连接设备的信号对设定进行更改。
(仅在投影视频源图像时)	☞ 信号 - 视频信号 第51页
图像信号的分辨率和刷新率与模式相符吗?	请参考计算机的文件,了解怎样更改从计算机输出的图像信号的分辨率和刷新率。
(仅在投影计算机图像时)	☞ "支持的监视器显示" 第84页

显示"无信号。"消息。

检查	纠正方法
电缆连接正确吗?	检查投影所需的所有电缆是否已牢固连接。 ☞ "从安装到投影" 第23页
选择正确的端口了吗?	通过按遥控器或控制面板上的 [Source Search] 按钮来切换图像。 一 "自动探测输入信号,并切换投影图像(源搜索)" 第24页
计算机或视频源的电源是否已打开?	打开设备的电源。
图像信号被输出到投影机了吗? (仅在投影便携式计算机或具有内置 LCD 屏幕的计算机的图像时)	如果图像信号只向计算机的 LCD 监视器或附属的监视器输出,则需将输出改为向外部目的地及计算机本身的监视器输出。对于某些计算机型号,当图像信号为向外输出时,则不会再显示在 LCD 监视器或附属监视器。如果在投影机或计算机电源已经打开时进行连接,用于将计算机图像信号切换到外部输出的 Fn 键(功能键)可能会不起作用。请关闭计算机和投影机的电源,然后重新打开。 "从安装到投影"第23页 一计算机的说明文件

图像模糊、失焦或失真

检查	纠正方法
正确调节梯形校正了吗?	调整投影的图像。 ☞ "水平/垂直梯形校正" 第25页, "Quick Corner" 第26页
正确调节了焦距了吗?	请旋转聚焦环调节焦距。 ☞ "校正焦距" 第28页



检查	纠正方法
投影距离在最佳范围内吗?	投影机投影在推荐的投影距离范围之外吗? 请在推荐范围内安装。 ☞ "屏幕尺寸和投影距离" 第83页
梯形校正调节值是否过大?	降低投影角度以减少梯形校正量。 "调节图像位置" 第28页
镜头上结露了吗?	如果投影机突然从冷的环境带入暖的环境,或环境温度突然转变,可能会在镜头表面形成结露,使图像模糊。在使用投影机前,请将它放置在室内约1小时。如果镜头结露,关闭投影机并等待结露消失。

图像中出现干扰或扭曲

检查	纠正方法
图像信号格式设定正确吗?	请根据连接设备的信号对设定进行更改。
(仅在投影视频源图像时)	☞ 信号 - 视频信号 第51页
电缆连接正确吗?	检查投影所需的所有电缆是否已牢固连接。
	☞ "连接设备" 第18页
使用加长电缆了吗?	如果使用加长电缆,电气干扰可能会影响这些信号。使用投影机随附的电缆来检查您正使用的电缆是否可能引起问题。
选择的分辨率是否正确?	对计算机进行设定,使输出的信号与本投影机兼容。
(仅在投影计算机图像时)	☞ "支持的监视器显示" 第84页
	●计算机的说明文件
正确调节 <u>同步</u> 》和 <u>跟踪</u> 》)设定了吗?	按遥控器上的 [Auto] 按钮或者控制面板上的 [Enter] 按钮来进行自动调节。如果使用自动调节后图像仍未调节
(仅在投影计算机图像时)	正确,您可以从配置菜单进行调节。
	☞ 信号 - 跟踪、同步 第51页

图像被截(变大)或者变小,或者外观不合适

检查	纠正方法
投影出宽屏面计算机图像了吗?	请根据连接设备的信号对设定进行更改。
(仅在投影计算机图像时)	☞ 信号 - 分辨率 第51页



检查	纠正方法
图像仍被 E变焦功能放大了吗?	按遥控器上的 [Esc] 按钮取消 E变焦。
图像位置调节是否正确?	按下遥控器上的 [Auto] 按钮或者控制面板上的 [Enter] 按钮执行投影的计算机图像的自动调节。如果使用自动调节后图像仍未调节正确,您可以从配置菜单进行调节。除了计算机图像信号,您还可以在投影期间从配置菜单来调节其它信号。
将计算机设定为双屏幕显示了吗? (仅在投影计算机图像时)	如果在计算机控制面板的 显示属性 中启用了双屏幕显示,则投影机只投影计算机屏幕上约一半的图像。要显示计算机屏幕上的整幅图像,请关闭双屏幕显示设定。
选择的分辨率是否正确? (仅在投影计算机图像时)	对计算机进行设定,使输出的信号与本投影机兼容。 "支持的监视器显示" 第84页 矿计算机的说明文件

图像颜色不正确

检查	纠正方法
输入信号设定与所连接设备的信号匹配吗?	请根据连接设备的信号更改下列设定。
	☞ 信号 - 输入信号 第51页
	☞ 信号 - 视频信号 第51页
图像亮度调节是否正确?	从配置菜单调节 亮度 设定。
	● 图像 - 亮度 第50页
电缆连接正确吗?	检查投影所需的所有电缆是否已牢固连接。
	☞ "连接设备" 第18页
<u>对比度</u> ┡週节是否正确?	从配置菜单调节 对比度 设定。
	● 图像 - 对比度 第50页
正确设定颜色调节了吗?	从配置菜单调节 颜色调节 设定。
	☞ 图像 - 颜色调节 第50页



检查	纠正方法
饱和度和色调调节是否正确?	从配置菜单调节 饱和度 和 色调 设定。
(仅在投影视频源图像时)	☞ 图像 - 饱和度、色调 第50页

图像灰暗

检查	纠正方法
图像亮度设定是否正确?	从配置菜单调节 亮度 和 耗电量 设定。 ☞ 图像 - 亮度 第50页 ☞ 设定 - 耗电量 第52页
对比度→调节是否正确?	从配置菜单调节 对比度 设定。 ☞ 图像 - 对比度 第50页
是否到了更换灯泡的时间?	当灯泡快到更换期时,图像会变暗,且颜色质量变差。当发生这种情况时,请用新灯泡更换。 ☞ "更换灯泡" 第74页

投影开始时的问题

投影机打不开

检查	纠正方法
您按下[心]按钮了吗?	请按[0]按钮打开电源。
指示灯都不亮吗?	电源线的连接不正确,或电源没有正常供电。 断开并重新连接电源线。 "从安装到投影"第23页 请检查您的电气插座或电源是否工作正常。
触摸电源线时指示灯是否忽亮忽灭?	可能是电源线接触不良,或电源线有故障。重新插好电源线。如果仍无法解决问题,请停止使用投影机,从电源插座上拔下电源线,并与当地经销商或 Epson投影机联系清单中与您最近的地址联系。 © Epson投影机联系清单
控制面板锁定 设定为 完全锁闭 了吗?	按遥控器上的 [也] 按钮。如果不想使用 控制面板锁定 ,请将此设定更改为 关 。 ☞ 设定 - 控制面板锁定 第52页



检查	纠正方法
选择遥控接收器的正确设定了吗?	请检查配置菜单中的 遥控接收器 设定。
	☞ 设定 - 遥控接收器 第52页
直接关机之后立即将电源线插回了吗? 打开断路器了吗?	如果在 直接开机 设置为 开 的情况下执行左边的操作,则将无法重新打开电源。请按 [O] 按钮重新打开电源。

其他问题

听不到声音或声音微弱

检查	纠正方法
检查音频/视频电缆是否牢固安装至投影机和音频源上。	从Audio端口切断电缆,然后重新连接电缆。
音量已调到最小设定了吗?	调节音量以便可听到声音。
	☞ 设定 - 音量 第52页
	☞ "调节音量" 第29页
启动 A/V无声模式了吗?	按遥控器上的 [A/V Mute] 按钮取消A/V无声。
	☞ "暂时隐去图像和声音(A/V无声)" 第33页
音频电缆的规格是"无电阻"吗?	当使用市售的音频电缆时,请确保上面标有"无电阻"。

遥控器不起作用

检查	纠正方法
操作遥控器时,遥控器发光部位是否指向投影机上的遥控接收器?	将遥控器指向遥控接收器。 ☞ "遥控器操作范围" 第14页
遥控器离投影机太远吗?	遥控器的操作范围约为6m。
遥控接收器是否受到直射阳光或萤光灯强光的照射?	将投影机安装在遥控接收器不会被强光照射的地方。或者,从配置菜单中的 遥控接收器 ,将遥控接收器设定为 关 。 ☞ 设定 - 遥控接收器 第52页



检查	纠正方法
选择 遥控接收器 的正确设定了吗?	请检查配置菜单中的 遥控接收器 设定。 ☞ 设定 - 遥控接收器 第52页
电池没电了吗?正确插入电池了吗?	请确保正确装入了电池,或者如果必要,请用新电池更换。 ☞ "更换遥控器电池" 第13页
遥控器 ID 与投影机ID是否匹配?	确保您想操作的投影机的识别号和遥控器的识别号相匹配。要想在不管识别号如何设定的情况下通过遥控器来操作所有投影机,请将遥控器识别号设定为"0"。 "设定遥控器识别号"第38页

外部监视器上什么也不显示

检查	纠正方法
图像是从 Computer1 端口以外的端口输入的吗?	只有来自 Computer1 端口的模拟 RGB 信号才能显示在外部监视器上。

我想更改消息和菜单的语言

检查	纠正方法
请更改语言设定。	从配置菜单调节语言设定。 ☞ 扩展 - 语言 第53页



维护

本章就维护操作资讯加以说明以确保投影机能长时间保持最佳性能。



投影机沾染污物或图像的显示效果变坏时, 请进行清洁。

注意

清洁之前,请关闭投影机电源。

清洁投影机表面

用软布轻轻擦拭来清洁投影机的表面。

如果投影机特别脏,请将软布用含有少量中性洗涤剂的水浸湿,拧干后擦拭投影机的表面。

注意

请勿使用如蜡、酒精或稀释剂等挥发性物质清洁投影机的表面。外壳质量可能改变或变色。

清洁镜头玻璃盖

使用用于清洁玻璃的市售软布来轻轻地将镜头玻璃盖上的污物擦除。



警告

请勿使用含有可燃气体的喷剂用来清除附着在镜头玻璃盖上的污物和灰尘。否则可能因灯泡内部温度过高而导致火灾。

注意

请避免用硬物擦拭镜头玻璃盖或者撞击镜头玻璃盖,因为它很容易损坏。

清洁空气过滤网

显示下列消息或过滤网指示灯闪烁绿色时,请清洁空气过滤网或进风口。

"需要清洁空气过滤网。清洁或更换空气滤网。"

"投影机过热。不要在通风孔处放置任何东西。经常清理或更换空气过滤网。"

"空气过滤网堵塞。清洁或更换空气滤网。"

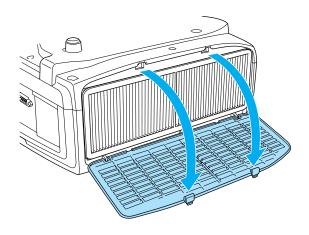
注意

- 如果灰尘聚集在空气过滤网上,会引起投影机内部温度上升,这会导致操作问题并缩短光学引擎的使用寿命。当显示该消息时,请立即清洁空气过滤网。
- 请勿在水中漂洗空气过滤网。请勿使用洗涤剂或溶剂。
- 使用刷子清洁时,请使用长软毛刷子轻轻地刷。如果刷得太猛烈,灰尘就会进入空气过滤网,从而无法清除。

如何清洁空气过滤网

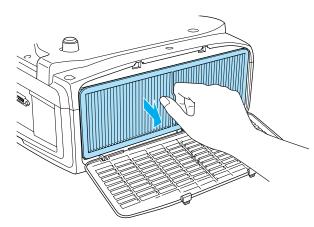
- 关闭投影机的电源,确认蜂鸣器嘟嘟地响了两次之后断开电源线。
- **2** 打开空气过滤网盖。

按空气过滤网盖上的搭扣,将盖子打开。



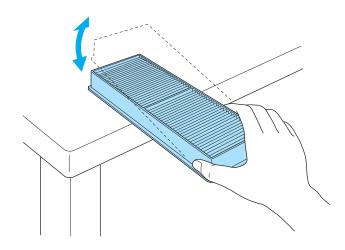
3 拆下空气过滤网。

从空气过滤网中间抓住盖片,将空气过滤网平直拉出。



4 使空气过滤网的前面(有拉环的一侧)朝下,轻敲四或五次,抖落灰尘。

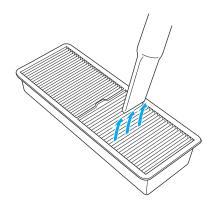
将空气过滤网翻过来,按同样的方式敲击另一面。



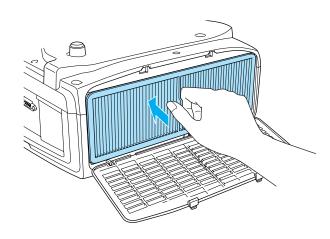
注意

如果对空气过滤网敲击得太重,则可能由于变形或破裂而导致无法使用。

6 使用真空吸尘器清洁前面,从而清除空气过滤网上的任何灰尘。



6 安装空气过滤网。



7 关闭空气过滤网盖。

向里推搭扣,直至听到卡嗒一声到位。



- 如果即使在清洁之后也频繁地显示消息,则需要更换空气过滤网。 用新的空气过滤网更换。
 - "更换空气过滤网" 第77页
 - 建议您至少每三个月对这些部件清洗一次。如果在灰尘特别多的环境中使用投影机,请更加频繁地清洗。
 - 只有在配置菜单的**空气过滤网设定**的**清洁通知**设定为**开**时,才会显示有关清洁空气过滤网通知的指示灯或消息。
 - ☞ 扩展 空气过滤网设定 第53页



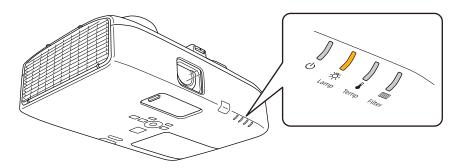
本节介绍如何更换灯泡和空气过滤网。

更换灯泡

灯泡更换期

出现以下情况时应更换灯泡:

- 此时会显示以下消息。 "需要更换灯泡。如需购买,请联系您的Epson投影机经销商或访问 www.epson.com。" 消息会显示 30 秒。
- 灯泡指示灯呈橙色闪烁。



• 投影的图像变暗或开始失真。

注意

• 为了保持最初的亮度和投影图像的质量,灯泡更换消息设为在下列时间周期 后出现。

EB-C1000X:

当耗电量设置为正常时: 大约 4900 小时 当耗电量设置为 ECO 时: 大约 5900 小时

EB-C1010X:

当耗电量设置为正常时: 大约 4900 小时 当耗电量设置为 ECO 时: 大约 5900 小时

- 如果灯泡过了更换周期后仍继续使用该灯泡、灯泡碎裂的可能性增大。出现 灯泡更换消息时,即使灯泡仍能工作,也请尽快用新的灯泡予以更换。
- 请勿反复在关机后立即重新打开。频繁开关电源会缩短灯泡寿命。
- 由于灯泡特性和使用方法的原因, 灯泡可能在出现灯泡警告消息之前变暗或 停止工作。您一定要有备用灯泡组件,以备不时之需。



我们建议您在更换灯泡时清洗空气过滤网。

"清洁空气过滤网" 第71页

如何更换灯泡

即使投影机悬挂在天花板上, 也可以更换灯泡。



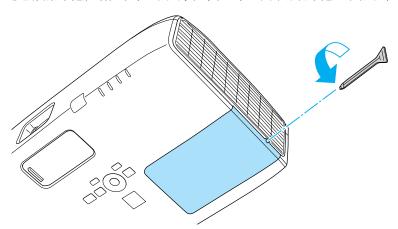
⚠ 警告

- 更换灯泡时,由于灯泡已经停止照明,因此有可能破碎。如果更换吊在天花 板上的投影机的灯泡, 您应该总是假设灯泡已经碎裂, 您应站在灯罩侧面, 而不是它的下面。轻轻取下灯罩。
- 决不可拆解或改制灯泡。如果在投影机上安装并使用改制或拆解过的灯泡, 可能会导致火灾、电击或事故。

注意

打开灯泡盖之前,请等待片刻,直到灯泡充分冷却。如果灯泡仍是热的,则 可能造成灼伤或其他人身伤害。关闭电源后,大约需要1小时灯泡才能充分冷 却。

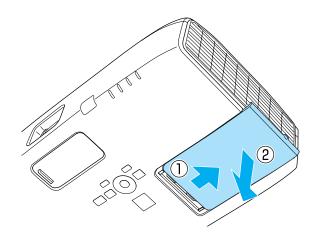
- 关闭投影机的电源,确认蜂鸣器嘟嘟地响了两次之后断开电源线。
- 待灯泡充分冷却后,取下投影机顶部的灯泡盖。 使用新灯泡随附的螺丝刀或十字头螺丝刀松开灯泡盖固定螺丝。



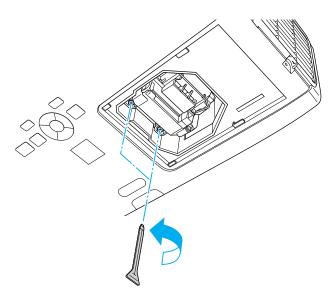
将灯泡盖径直向前滑动并提起, 取下灯泡盖。

注意

在从天花板悬吊的投影机上更换灯泡时,请用手握住灯泡盖以免掉落, 然后将它小心取下。



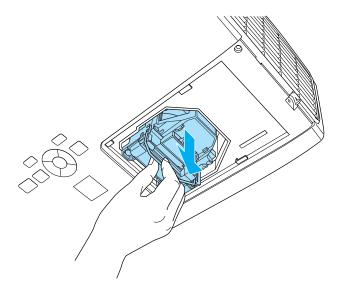
松开两颗灯泡固定螺丝。



通过拉动柄取出灯泡。

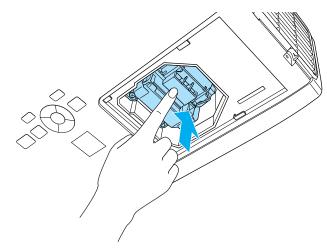
如果灯泡已破裂,请与当地经销商或Epson投影机联系清单中提供 的最近地址联系。

☞ Epson投影机联系清单

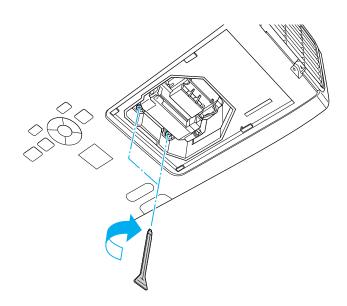


5 安装新的灯泡。

将新灯泡沿导轨插入至正确的位置,使其啮合,然后推入到位。

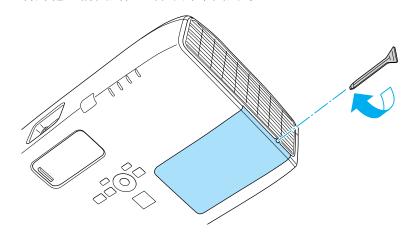


6 拧紧两颗灯泡固定螺丝。



7 更换灯罩。

将灯泡盖滑回到位。拧紧灯罩固定螺丝。



注意

- 请确保牢固地安装灯泡。为安全起见,一旦拆下灯罩,灯泡就会自动熄灭。 如果灯泡或灯泡盖安装不正确,则灯泡电源无法接通。
- 本产品中的灯泡组件含有水银 (Hg)。请咨询当地有关处理或再生的规定。不要将其与一般废品一起处理。

重设灯时

投影机记录灯泡接通时间, 当需要更换灯泡时, 便以消息和指示灯通知 您。更换灯泡后, 请在配置菜单的**灯时**中重设积累的时间。

☞ "重设菜单" 第55页



,只有在更换灯泡后才可以重设**灯时**。否则会无法正确显示灯泡的更换期。

更换空气过滤网

空气过滤网更换期

出现以下情况时应更换空气过滤网:

• 即使空气过滤网已清理, 仍显示消息。



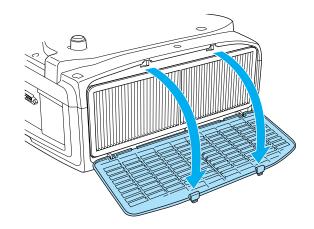
今 只有在配置菜单的**空气过滤网设定**的**清洁通知**设定为**开**时,才会显示 有关清洁空气过滤网通知的消息。

☞ 扩展 - 空气过滤网设定 第53页

如何更换空气过滤网

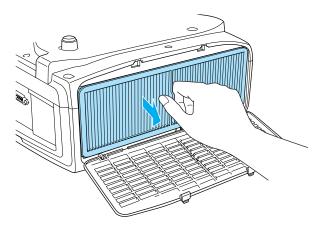
即使投影机悬挂在天花板上, 也可以更换空气过滤网。

- 关闭投影机的电源,确认蜂鸣器嘟嘟地响了两次之后断开电源线。
- **2** 打开空气过滤网盖。 按空气过滤网盖上的搭扣,将盖子打开。

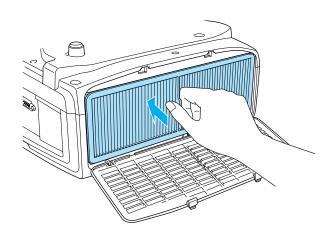


3 拆下空气过滤网。

从空气过滤网中间抓住盖片,将空气过滤网平直拉出。



4 安装新的空气过滤网。



关闭空气过滤网盖。

向里推搭扣,直至听到卡嗒一声到位。



- 请务必安装空气过滤网。如果不安装过滤器就使用投影机,则会显示消息。 投影机也会在约一分钟后自动关闭。 示消息,投影机也会在约一分钟后自动关闭。
 - 请按当地的法规正确地处理用过的空气过滤网。 边框部分材料: 聚丙烯 过滤器部分材料: 聚丙烯



附录



ESC/VP21 命令

您可以使用 ESC/VP21 从外部设备控制投影机。

命令表

当电源打开命令发送到投影机上时,电源打开,并且投影机进入暖机模式。当投影机电源已经打开时,返回冒号":"(3Ah)。

当输入命令时投影机执行该命令并返回":",然后接受下一个命令。如果正在执行的命令异常终止,则输出错误消息,并返回":"。 以下列出主要内容。

	项目		命令
电源开 / 关	开		PWR ON
	关		PWR OFF
信号选择	计算机1	自动	SOURCE 1F
		RGB	SOURCE 11
		分量	SOURCE 14
	计算机2	自动	SOURCE 2F
		RGB	SOURCE 21
		分量	SOURCE 24
	视频		SOURCE 41
	S-视频		SOURCE 42
A/V 无声开/关	开		MUTE ON
	关		MUTE OFF

在每个命令和传输的末尾添加一个回车(CR)代码(0Dh)。

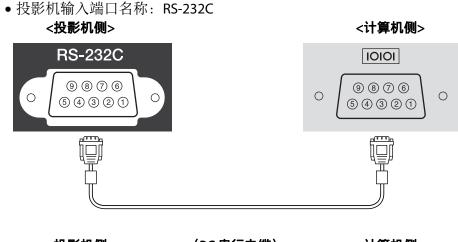
有关更多详细资料,请与当地经销商或 Epson 投影机联系清单中提供的最近地址联系。

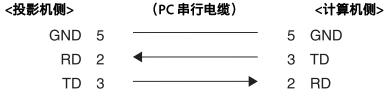
☞ Epson投影机联系清单

电缆配线

串行连接

• 连接器形状: D-Sub 9-针(凸)





信号名称	功能
GND	信号线接地
TD	传输数据
RD	接收数据

通讯协议

• 默认波特率设定: 9600 bps

• 数据长度: 8 位



奇偶校验位: 无停止位: 1 位

• 流量控制: 无

可以使用以下选购件和消耗品。请在需要时购买这些产品。以下选购件和消耗品列表列出的是截止到 2010 年 12 月的现有库存品。附件详细信息如有变更,恕不另行通知,而且根据购买国家或地区的不同,可用性可能不同。

选购件

计算机电缆 ELPKC02

(1.8 m - 用于微型 D-Sub 15 针/微型 D-Sub 15 针)

这与投影机随附的计算机电缆相同。

计算机电缆 ELPKC09

(3 m - 用于微型 D-Sub 15 针/微型 D-Sub 15 针)

计算机电缆 ELPKC10

(20 m - 用于微型 D-Sub 15 针/微型 D-Sub 15 针)

这是投影机随附的计算机电缆长度不够时所用的延长电缆。

分量视频电缆 ELPKC19

(3 m - 用于微型 D-Sub 15 针/RCA 凸×3)

用于连接分量视频 沙源

文件摄像机 ELPDC11

投影书本、OHP 文稿或幻灯片等图像时使用。

交互装置 ELPIU01

在投影面上操作计算机屏幕时使用。

吊管 (450 mm) * ELPFP13

吊管 (700 mm) * ELPFP14

将投影机安装在较高的天花板上时使用。

吊架* ELPMB22 或 ELPMB23

将投影机安装在天花板上时使用。

- * 从天花板上悬吊投影机需要特殊的技术。请与当地经销商或 Epson投影机联系清单中与您最近的地址联系。
- Epson投影机联系清单

消耗品

灯泡组件 ELPLP60

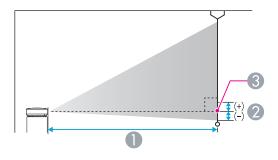
用干更换寿命已到的灯泡。

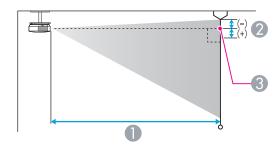
空气过滤器 ELPAF30

用于更换用过的空气过滤网。



投影距离





- 投影距离
- ② 镜头的中心到屏幕底面的距离 (如果从天花板悬吊,则到屏幕顶部)
- ③ 镜头中心

单位: cm

4:3 屏幕尺寸		0	2
		最短(宽屏)至最长(远焦)	
30"	61x46	85 - 104	-5
40"	81x61	116 - 140	-7
50"	100x76	146 - 177	-8
60"	120x91	177 - 214	-10

4:3 屏幕尺寸		最短(宽屏)至最长(远焦)	2
80"	160x120	238 - 287	-14
100"	200x150	299 - 360	-17
120"	240x180	360 - 433	-20
150"	300x230	451 - 543	-25
200"	410x300	604 - 726	-34
250"	510x380	756 - 909	-42
300"	610x460	909 - 1092	-51

单位: cm

			1 1===
16.0	弄幕尺寸	0	0
10:9 [チャベン	最短(宽屏)至最长(远焦)	
30"	66x37	94 - 114	+1
40"	89x50	127 - 153	+1
50"	110x62	160 - 193	+1
60"	130x75	193 - 233	+1
80"	180x100	260 - 313	+2
100"	220x120	326 - 393	+2
120"	270x150	393 - 472	+3
150"	330x190	492 - 592	+3
200"	440x250	658 - 791	+5
250"	550x310	824 - 990	+6
275"	610x340	907 - 1090	+6



支持的分辨率

计算机信号(模拟 RGB)

信号	刷新频率 (Hz)	分辨率 (点)
VGA	60/72/75/85	640x480
SVGA	56/60/72/75/85	800x600
XGA	60/70/75/85	1024x768
WXGA	60	1280x768
	60	1360x768
	60/75/85	1280x800
WXGA+	60/75/85	1440x900
SXGA	70/75/85	1152x864
	60/75/85	1280x1024
	60/75/85	1280x960
SXGA+	60/75	1400x1050
UXGA	60	1600x1200
MAC13"	67	640x480
MAC16"	75	832x624
MAC19"	75	1024x768
	59	1024x768
MAC21"	75	1152x870

即使输入了非上述的信号时,也可能投影出图像。但是,并非所有的功能都支持这样的信号。

分量视频

信号	刷新频率 (Hz)	分辨率 (点)
SDTV (480i)	60	720x480
SDTV (576i)	50	720x576
SDTV (480p)	60	720x480
SDTV (576p)	50	720x576
HDTV (720p)	50/60	1280x720
HDTV (1080i)	50/60	1920x1080

复合视频

信号	刷新频率 (Hz)	分辨率 (点)
TV (NTSC)	60	720x480
TV (SECAM)	50	720x576
TV (PAL)	50/60	720x576



投影机一般规格

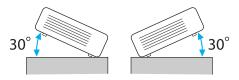
产品名	i 称		EB-C1010X	EB-C1000X		
尺寸			450 (宽) x 114 (高) x 274 (深) mm(不包括突起部分)			
LCD 面板尺寸			0.5	0.55"		
显示方	走		多晶硅 TFT 有源矩阵			
分辨率	<u> </u>		786,432 像素 XGA (1024 (宽)x 768 (高) 点)x 3			
焦距调	节		手	动		
变焦调	节		手动(1	至 1.2)		
灯泡			UHE 灯泡、200 V	V型号: ELPLP60		
最大音	· · · · · · · · · · · · · · · · · · ·	5 W 单声道				
扬声器			1	1		
电源		110 至 240 V AC ±10%,50/60 Hz 2.6 至 1.3 A		110 至 240 V AC ±10%,50/60 Hz 2.6 至 1.3 A		
功耗	110 至 120 V 地区		工作功耗: 287 W 待机功耗(通讯开启): 2.8 W 待机功耗(通讯关闭): 0.30 W	工作功耗: 287 W 待机功耗(通讯开启): 2.8 W 待机功耗(通讯关闭): 0.30 W		
	220 至 240 V 地区		工作功耗: 279 W 待机功耗(通讯开启): 3.3 W 待机功耗(通讯关闭): 0.40 W	工作功耗: 279 W 待机功耗(通讯开启): 3.3 W 待机功耗(通讯关闭): 0.40 W		
操作高			海拔 0 至 3000 m			
操作温	操作温度		0至+40℃(无结露)	+5 至 +35℃ (无结露)		
存放温	上度		-10 至 +60°C(无结露)			
重量			约 3.8 kg 约 3.8 kg			
连接	Computer1 端口	1	微型 D-Sub 15 针(凹)蓝色			
器	Computer2 端口	1	微型 D-Sub 15	针(凹)蓝色		
	Video 端口	1	RCA 针状插孔			



S-Video 端口	1	微型 DIN 4 针		
Audio-L/R 端口	1	RCA 针状插孔 x 2(左-右)		
Monitor Out 端口	1	微型 D-Sub 15 针(凹)黑色		
USB (TypeB) 端口	1	USB 连接器(B型)		
RS-232C 端口	1	微型 D-Sub 9-针(凸)		

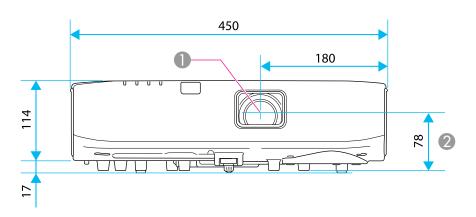


倾斜角度

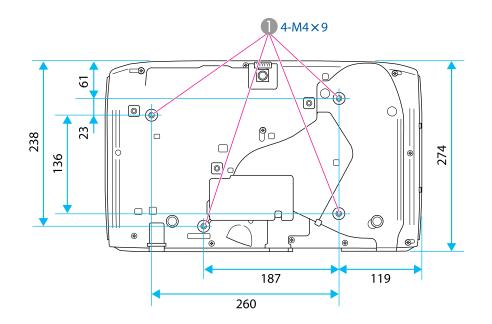


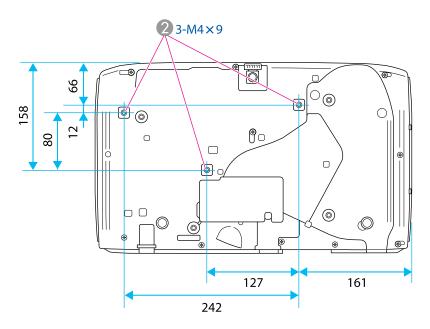
如果使用投影机时其倾斜角度超过 30°,可能会损坏投影机并造成事故。

单位: mm



- ① 镜头中心
- ② 镜头中心到悬吊支架固定点的距离





- ELPMB22 吊架固定点
- ② ELPMB23 吊架固定点



本节简要说明本指南文本中未说明的疑难术语。有关详细资料,参考其他市售的出版物。

sRGB	色彩分隔的国际标准,其制订原则是:视频设备再现的色彩能够便于计算机操作系统(OS)和互联网处理。如果连接的信号源有 sRGB 模式,将投影机和所连接的信号源都设为 sRGB。
SVGA	分辨率为800(水平)x600(垂直)点的屏幕尺寸标准。
SXGA	分辨率为 1,280(水平)x 1,024(垂直)点的屏幕尺寸标准。
S-视频	将视频信号分为亮度分量(Y)和颜色分量(C)的方法。
VGA	分辨率为 640(水平) x 480(垂直)点的屏幕尺寸标准。
XGA	分辨率为 1,024(水平) x 768(垂直)点的屏幕尺寸标准。
长宽比	指图像的纵长和横长的比例。水平和垂直的比率为16:9的屏幕(例如HDTV屏幕),被称为宽屏。SDTV和常用的计算机显示器的长宽比为4:3。
对比度	增强或削弱图像的明暗差别,可以使文字和图案显得更清晰或者变得更柔和。这种图像调节特性称为对比度调节。
分量视频	将视频信号分为亮度分量(Y)、缺蓝亮度(Cb 或 Pb)和缺红亮度(Cr 或 Pr)的方法。
复合视频	将视频信号组合成亮度分量和颜色分量以通过一根电缆进行传送的方法。
隔行	创建画面时所需的信息,从图像的顶部开始一直到底部,每隔一行进行发送。由于帧是隔行显示的,因此图像更可能会闪烁。
跟踪	从计算机输出的信号具有特定的频率。投影机的频率与该频率不一致时,图像品质就不佳。使这些信号在频率(信号中的波峰数)上相匹配的过程称为跟踪。如果跟踪不当,信号中就会出现较宽的纵向条纹。
同步	从计算机输出的信号具有特定的频率。投影机的频率与该频率不一致时,图像品质就不佳。使两者信号在相位(波峰和波谷的相对位置)上取得一致称为"同步"。信号不同步时,投影图像上就会出现闪烁、模糊不清和横向干扰。
逐行	投影用来每次创建一个画面的信息,以一帧显示图像。尽管扫描的行数相同,但是其图像的闪烁程度更低,原因在于和隔行系统相比,逐行的信息量提高了一倍。

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Microsoft® Windows® Me 操作系统

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Microsoft® Windows® XP Home Edition 操作系统

Microsoft® Windows Vista® 操作系统

Microsoft® Windows® 7 操作系统

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Mac OS X 10.4.x

Mac OS X 10.5.x

Mac OS X 10.6.x

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The list of GPL Programs is as follows and the names of author are described in the source code of the GPL Programs

The list of GPL Programs

busybox-1.13.4

iptables-1.4.4

libgcc1(gcc-4.3.3)

linux-2.6.27

patches

udhcp 0.9.8

uvc rev.219

wireless tools 29

EPSON original drivers

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Version 2, June 1991

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L. Peter Deutsch ghost@aladdin.com

Independent implementation of MD5 (RFC 1321).

This code implements the MD5 Algorithm defined in RFC 1321, whose text is available at

http://www.ietf.org/rfc/rfc1321.txt

The code is derived from the text of the RFC, including the test suite (section A.5) but excluding the rest of Appendix A. It does not include any code or documentation that is identified in the RFC as being copyrighted.

The original and principal author of md5.h is L. Peter Deutsch <ghost@aladdin.com>. Other authors are noted in the change history that follows (in reverse chronological order):

2002-04-13 lpd Removed support for non-ANSI compilers; removed references to Ghostscript; clarified derivation from RFC 1321; now handles byte order either statically or dynamically.

1999-11-04 lpd Edited comments slightly for automatic TOC extraction.

1999-10-18 lpd Fixed typo in header comment (ansi2knr rather than md5); added conditionalization for C++ compilation from Martin Purschke <purschke@bnl.gov>.

1999-05-03 lpd Original version.

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