

Using LCD Projectors with iBook Computers

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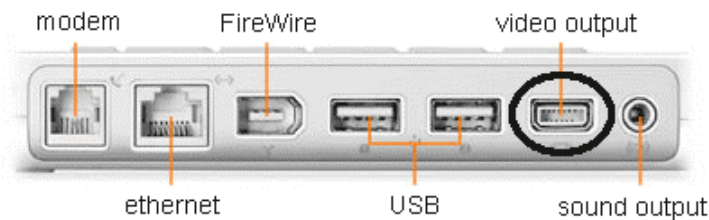
LCD projectors may be connected to an iBook computer to project what is on the iBook's screen onto a larger screen.

Start by making sure that the iBook is shut down or that the lid is closed. If the lid is open the LCD projector might not sync with the iBook's video; additionally, you might damage the video output port on the iBook.

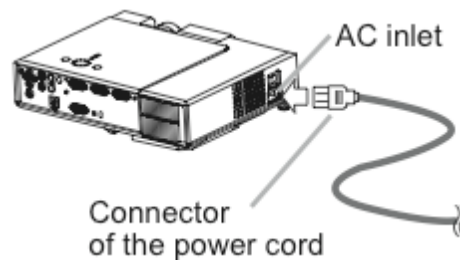
One end of the VGA cable that comes with the LCD projector has on it a VGA adapter, which looks like this:



With the graphic on the end of the cable facing up, like in the illustration above, plug the VGA adapter into the video output port, circled in the illustration below:



Next, connect the power cable to the LCD projector, like in the illustration below:



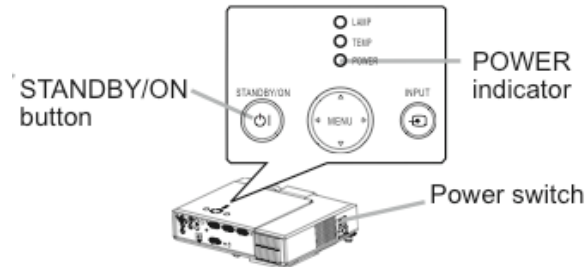
Do not yet power on the projector.

The VGA cable must be connected to the projector as well; attach it to the RGB IN1 port on the back of the projector:



Open the lens cover on the front of the projector by sliding it to the side.

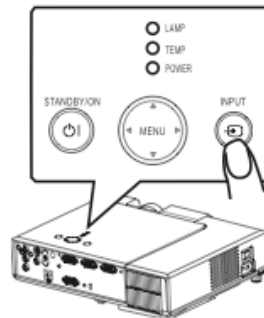
Finally, you should power on the projector by first flipping the switch next to the power cord to the on position. The **power indicator** will light orange after a few seconds. Next press the **Power** button on the LCD projector once:



The **power indicator** will light up and begin blinking green; when the projector is fully powered up the light will cease blinking and will light solid green.

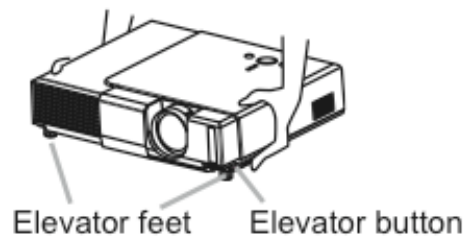
When the projector is fully powered up, open the lid of the iBook or power it on.

You might need to select the input that the projector is using if you are unable to see what is on the iBook's screen projected through the LCD projector. Use the **Input** button on the projector to select **RGB IN1**:

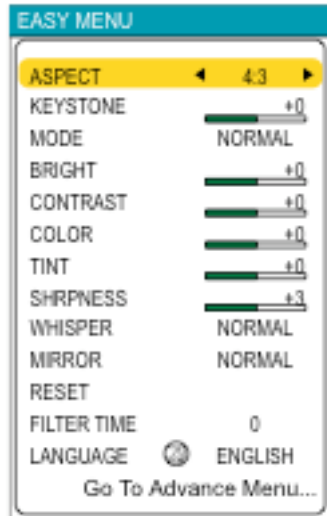


You might need to press the **Input** button several times to get it to cycle through the various input methods available until you reach **RGB IN1**.

You can adjust the elevation of the projector so it reaches the screen onto which you are projecting by depressing the **Elevator buttons** on the side of the projector, which will cause the **Elevator feet** to drop from the bottom of the projector:

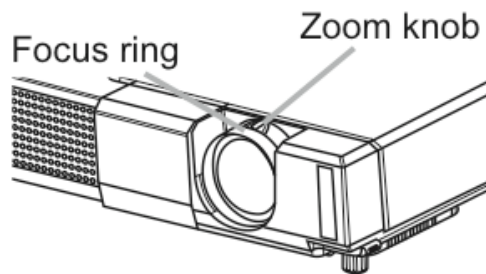


When you adjust the elevation of the projector, you might find that the top or bottom of the image is squeezed, or keystone. You can adjust the amount of keystone of the image to make the sides of the image appear to be straight rather than pinched at the top or bottom. Press the **Menu** button on the projector to bring up the Easy Menu window (it will be displayed superimposed over whatever image you are currently projecting):



Use the circular **Menu** “disc” on the projector to navigate to the **Keystone** menu item, then use the left or right buttons on the **Menu** “disc” to reduce the amount of keystone on the image.

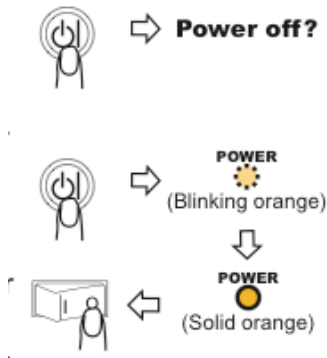
You might also need to adjust the **Zoom** or the **Focus** of the projector for the best possible image. These settings are controlled on the lens itself:



You are now ready to use the projector. Note that you have not hooked up external speakers to the iBook so your sounds will play through the built-in speakers on the iBook.

When you are finished using the projector you must shut it down properly to ensure that the projector does not overheat; this will prolong the life of the bulb as well as the unit itself.

Press the **Power** button on the projector once; the screen will clear and a dialog box will appear asking if you really wish to power off the unit. Press the **Power** button again and the projector will power down. Note that the fan will remain on and the **power indicator** light will flash orange. When the **power indicator** light glows solid orange you may safely flip the power switch to the off position:



Close the lid on the iBook or shut it down. Disconnect the VGA adapter from the video out port on the iBook.

Unplug the VGA cable from the RGB IN1 port on the back of the projector. Disconnect the power cable from the AC inlet on the side of the projector.

Place the LCD projector back in its carrying case along with the two cables. Return the case and its contents to the lab when you are finished using it.

Images from the Hitachi CP-S353 Instruction Manual are used here for non-commercial purposes and are © Hitachi