

Guide to using the Canon XTi with EasyBlend™

The Canon XTi is a camera that can be used to capture the geometry and color of your projection display with EasyBlend™. This guide exists to help you with any issues you might have found while installing and running the EasyBlend™ with the Canon XTi. Please see the software installation manual for instructions on installing EasyBlend and on installing the Canon XTi.

Supported Setups:

- The Canon XTi should be connected to the controlling computer using a USB 2.0 cable into a USB 2.0 port on the computer. If you need to use a USB extender cable, see below.
- No Canon drivers or software of any kind need be installed.
- The Canon XTi should have a power cable. It is not strictly required, but it is highly recommended.

The software may work in other configurations, but we only support the above and we strongly recommend you use the above configurations.

Setups that can cause the software to not function:

- Do not plug the USB cable into a USB hub. Plug it directly into the computer.
- Cabling: Do not put any stress on the USB cables. The USB cables are high data rate cables. Please separate them from other cables and do not wrap them around power cables.
- Location: Do not place the camera so that the heat vent from the projector envelops it.
- Do not install the Canon ZoomBrowser. If you accidentally install it, please uninstall it.
- When you plug in the camera into the computer, no software should launch. If any software does launch (such as the Canon ZoomBrowser or Adobe ImageViewer), EasyBlend will be unable to access the camera. Please uninstall all such software.

For you Canon XTi, not all options can be set in software.

Setting up your Canon XTi Camera:

- Set the dial on the top of the Camera to M, and the switch by it to “On”.
- On the top right of the lens, set the AF/MF slider to MF for Manual Focus
- Press ‘Menu’ on the back of the Camera, and use the Arrow keys to navigate
 - Red Eye: Off
 - Shoot w/o Card : On
 - Auto Power: Off
 - Auto Rotate: Off
- No action taken when Camera is installed.

USB Extender Cables:

- At most one standard USB extension cable. Make sure there is no stress on the cable.

- There are 15 foot active USB cables that can be tiled together to make up to a 75 foot cable. If you use them, make sure they are all **exactly** the same brand, make and model.
- The Gefen USB 2.0 extender works for longer distances. It can be difficult to make it work and keep it working, so please read its instructions carefully. (Also, note that a small laptop is about the same price.)

Trouble Shooting

If you are having trouble using the Canon XTi, please go through the following checklist:

1. Is the Camera On?

If the camera is powered, there will be several lights visible on the camera, including one near the On/Off switch.

2. Does the operating system recognize the Camera?

Look in Control Panel//Scanners and Cameras. If no camera is listed, then try unplugging the Canon USB cable and disconnecting the power from the camera. Then re-power the camera and re-plug in the USB Cable.

3. Does a program launch automatically when the Camera is plugged in?

Only one program can use the camera at one time. When the camera is plugged into the computer, no program should be launched. Try plugging the USB cable into the computer and see what happens. If something does happen, consider un-installing that program. And, right-click on the Properties of the XTi Camera and set no-action to occur when the Camera is plugged in – see the installation manual for details.

4. Does EasyBlend™ recognize the camera ?

Start the Camera Wizard in EasyBlend™. The Camera should take a picture. If nothing happens, wait at least a minute for an error message. Generally, the program will tell you to disconnect the power from the camera, unplug the USB cable to the computer, and then reverse those steps. Re-start EasyBlend™ and see if the problem does not disappear. When this kind of reset does not work, we sometimes find that the USB cable needs replacing.

Specific Issues:

• The Canon Camera failed to take a picture or is busy. What should I do?

Please review the above checklist. Generally re-starting EasyBlend™ will fix the problem, unless another program is using the camera. If this does not work, try power-cycling the camera as specified in the next section.

• The Canon Camera repeatedly fails to take a picture. What should I do?

It is possible for the Camera to end up in a bad state. Try disconnecting the power from the camera (or removing the battery) for a minute and then turning the camera back on. Note that turning the camera off is not sufficient.