

MoviePoster Motion Controller

User Guide

Draft – Subject to change prior to device release



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1. Included Items.

1. MoviePoster Motion Controller
2. IR Blaster
3. USB Sense Cable
4. Breakout Sense Cable (For hardwired installation)
5. External PIR sensor (Optional)

2. Getting to know the MoviePoster Motion Controller.

Hardware Features:

1. Front of the Motion Controller:
 - PIR motion detector
 - IR remote receiver
 - Indicator LEDs
2. Back of the Motion Controller:
 - Primary USB / Control Output
 - IR Learn Button
 - IR Output
 - Secondary USB / Control Output
 - External PIR Sensor Jack (Optional)



3. Choosing the installation method.

The installation method you choose depends greatly on the display you use. If your display has a USB port which is only powered when the display is on, you can most likely use the IR / USB installation method. Note: The IR feature may not be compatible with all displays. If your display is not compatible with the IR / USB installation method you may choose to hardwire the Motion Controller to your display. This method should be compatible with nearly all displays, but will require some modification to your display.

4. Hardwired installation.

The hardwired installation method should be compatible with nearly all displays. For this method you will need to open your display and locate the circuit for power button as well as a 5 volt source which is only powered when the display is turned on. Typically, the power LED is a good choice for this signal source.

Connect the primary control output to the power button such that when the relay is closed it will simulate pressing the power button. The green and white wires connect to the internal relay. Connect each wire to one side of the power button.

Connect the sense wires to a 5v source (such as the power LED) which is only on when the TV is on. This will allow the Motion Controller to know when the display is on or off. The black wire should connect to ground, red to the +5v source.

5. IR/USB installation.

This method is non-invasive and requires no modification to your display. However, it may not be compatible with all displays. In order to use this installation method your display must have a USB port which is only powered when your display is on.

Connect the USB sense cable to the primary control output of the MoviePoster Motion Controller and to the USB port of your display.

Connect the IR blaster to the IR output of the Motion Controller and attach it to your display where it is visible to the IR receiver.

Teach the Motion Controller the Power IR code for your display by pressing the IR Learn button on the back of the motion controller. The LED indicator will begin to flash rapidly. Point your remote at the front of the Motion Controller and press the power button. The LED indicator will flash three times to indicate that the code has been learned.

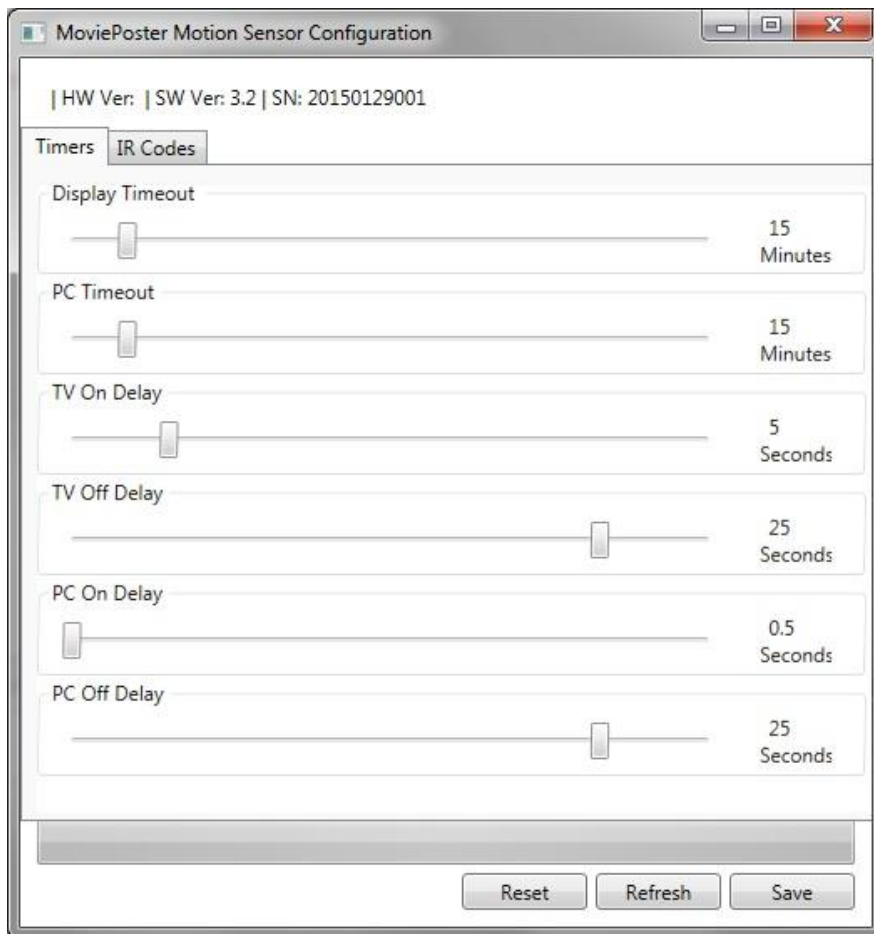
6. Using the second internal relay.

The Motion Controller contains a second internal relay which can be used to control the power of a second device, such as the PC running MoviePoster, lights or other devices. To use the secondary relay, connect the USB sense/ relay cable to the secondary control output. The relay can be configured for momentary (to simulate a power button press) or sustained closure (example: turn on lights in your frame). The secondary control output also has an associated 5v power sense connection which can be used in a similar way as the primary control output. Note: the secondary relay is intended for low voltage/low current loads only.

7. Configuring device settings.

The following parameters can be set using the configuration utility on a Windows PC.

- *Minimum duration of motion required to trigger screen to turn on.
- *Duration of inactivity to leave screen on.
- *Advanced options for power / IR trigger event delays. (Some screens won't turn on again until they have fully powered down and can take a few seconds)
- *Advanced option to manually enter IR code if the device is unable to learn the code from the remote.



8. Using the Motion Controller with MoviePoster software.

The Motion Controller can be used with MoviePoster software to always turn the display on any time a “Now Playing” poster is shown. To configure, open MoviePoster settings and go to the Monitor Control tab.

9. Positioning the Motion Controller.

The Motion Controller should be positioned so that the PIR sensor on the front of the controller is pointed in the primary direction of the area you’d like to monitor. The internal sensor has a detection range of approximately 3 meters with a 110 degree detection cone.

If you are using the optional external PIR sensor you may choose to hide the Motion Controller and only use the external sensor.