

EV-115 / EV-110 External Sensors Setup Guide

EV-115 / EV-110 support external sensors.

You can set the projector to perform operations when the external sensors are triggered.

- You can connect up to two external sensors.
- You can use two external sensors at the same time. You can also set projector operations by combining the signals from each sensor.
- Prepare commercially available parts, such as connectors, for the external sensors and their connections.
- As well as sensors, you can also connect other external devices such as buttons and switches.



Example: Installing a motion sensor in an entranceway to project specific content when a customer passes by.

Follow the steps below to connect and configure the external sensors.

1 Install the projector (See the Installation Guide for the mount you are using for detailed instructions on installing the projector)

- 2 Connect and wire the external sensors to the projector
- 3 Setup the projector

Prepare the content you want to project (for instructions on how to prepare the content, see the projector's **User's Guide**)

Safety Instructions

Connecting external sensors is an important process for post-connection safety. To prevent accidents during connection or use, hire a professional to carry out the connection.

A Caution

Incorrect connection could cause the projector or external sensors to malfunction.

Make sure that the external sensors are installed so that they do not exceed the maximum rating.

See the user's guide supplied with the external sensors for details on handling the external sensors.

Seiko Epson Corporation cannot be held liable for any accidents caused by the malfunction or misuse of external sensors.

When using external sensors, make sure you follow the instructions in this guide.

Seiko Epson Corporation cannot be held liable for any accidents caused by not following the instructions in this guide.

Connecting External Sensors

Connect external sensors to the projector's DC Out (2.0A) / GPI In port (see the illustration on the right).

Before connecting, you need to modify the end that connects to the DC Out (2.0A) / GPI In port so that it is a USB-A shape.

DC Out (2.0A) / GPI In port specifications

When connecting an external sensor, make sure you check the user's guide supplied with the external sensor as well as the following port specifications.

Port configuration



GPI-1/GPI-2 specifications



* When using a sensor with an open-drain output or an open-collector output, the input may not be High if there is a large Pull-UP resistance.





Pin Number	Signal Name
1*	DC Out (5 V/2 A)
2	GPI-1
3	GPI-2
4	GND

* Do not apply external voltage, otherwise malfunctions may occur.

Specifications

Setting Up the Projector

When wiring is complete, set the projector operations according to your environment.

1 Turn on the projector.

2 Press the [Menu] button on the remote control, and then select [Extended] - [DC Out (2.0A)/GPI In Settings].

Image	1		Return	
Signal	1	Display User's Logo		
Settings		Projection Fr Operation	Front	
Extended	0	DC Out (2.0A)/GPI	In Settings 🕘 📃	
Network		Schedule Settings	En allah	
Info		Reset	English	
Reset	i			

3 Set [DC Out/GPI In] to [Always On/On].



When this is set to [On While Project/Off], the external sensor is disabled.

4 Select [GPI-1 Settings] or [GPI-2 Settings].

- [GPI-1 Settings]: Sets the operation for the sensor connected to pin No.2.
- [GPI-2 Settings]: Sets the operation for the sensor connected to pin No.3.



5 Set the operation according to the signal input for the external sensor.



- [Low -> High]: Sets the operation performed when a High level signal is input.
- [High -> Low]: Sets the operation performed when a Low level signal is input.

ltem	Description
Power On Power Off	Turns the projector on or off.
Execute A/V Mute Release A/V Mute	Executes or releases A/V Mute. The content continues to play while A/V Mute is enabled.
Start Playlist Stop Playlist	Plays or stops the playlist set in [Favorite Playlists].
Source Select	Switches the image source.
Light Source Mode: Normal Light Source Mode: Quiet	Switches the Light Source Mode setting.

Solving Problems

Try the following solutions if you are having trouble connecting or configuring the external sensors.

Status		
The set operation is not executed even when a signal is input from an external sensor.	 Check the status of the projector. I is disabled. When the menu screen is displa When the projector's indicator i Warming up, shutting down, or Temp i o Laser * o Status co On/Standby O • On/Status: Flashing Depending on the operation you 	
Content starts playing from the middle.	Check the content of [GPI-1 Settings] If you set a combination of [Start Play correctly. Select [Stop Playlist] instead	
You cannot make accurate signal retention time settings using the external sensor's functions.	 We recommend that you use the [Hobelow to make settings. Use the functions for the external Set the time to retain the external [GPI-2 Settings]. 	
The set playlist does not play.	Check the settings for [GPI-1 Settings numeric button on the remote contr	

6 Set more detailed operations.



ltem	Description
Favorite Playlists	Set the playlist you want to play when [Low -> High]/ [High -> Low] are set to [Start Playlist]. Select the number of the numeric button on the remote control that is assigned to Favorite Playlists.
Source	Set the source you want to switch to when [Low -> High]/[High -> Low] are set to [Source Select].
Combination	When two external sensors are connected, you can set the status of the other external sensor as the condition for executing an operation. For example, if [Combination] in [GPI-1 Settings] is set to [GPI-2 Low], the operation set in [GPI-1 Settings] is executed when the GPL-2 signal becomes Low
Hold High Hold Low	When the external sensor signal is maintained continuously for the set time (mm:ss), the selected operation is executed.

7 When you have finished making settings, press the [Menu] button to finish.

You can check the status for the GPI-1 and GPI-2 signals in [GPI Info.] from [DC Out (2.0A)/GPI In Settings].

Remedy

In the following situations, the signal input from the external sensor

ayed

is in one of the following conditions:

r cooling down

have set, it may take some time to execute.

]/[GPI-2 Settings]. ylist] and [Execute A/V Mute], the content may not be played d of [Execute A/V Mute].

old High]/[Hold Low] settings on the projector. Follow the steps

al sensor to minimize the amount of time it retains the signal. al sensor's signal in [Hold High] or [Hold Low] in [GPI-1 Settings]/

s]/[GPI-2 Settings] - [Favorite Playlists]. Set the number of the rol that is assigned to the playlist you want to play.