eowave

Detection

SPECIFICATIONS:

Specific:
- Measured parameter: Motion
- Sensing technology: Fresnel lenses
- Range: 180° of opeture, up to 20 m of threshold radius
- Output format: 0 (still) / 127 (moving)

General:
- Size: a 32 mm-radiused sphere, cut at 43 mm of depth
- Weight: 56 g
- Operating temperature range: 0 to 40 °
- Wiring: 6.35 mm TRS jack, 2 m-long cable
- Power: External 9V DCsupply incl.

INSTALLATION GUIDE:

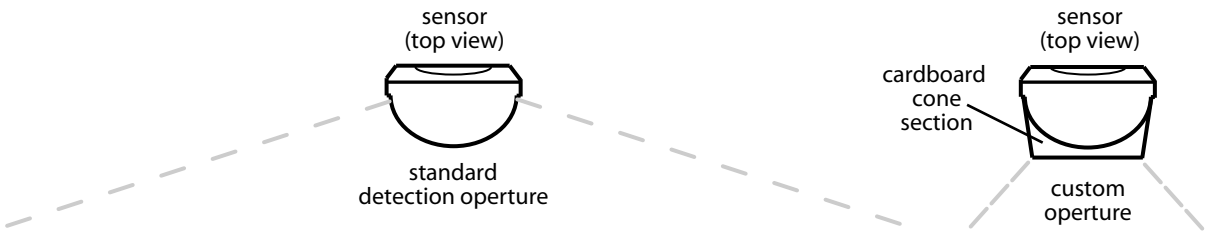
Please use the following procedure to assign a **Program Change** to this sensor:
1° We assume here that your Eobody setup is fully functional and its editor launched and ready to communicate: in case of emergency, please refer to the main tutorial!
2° Plug the jack connector of the sensor to the chosen input of the Eobody.
3° On the first (or second) eight inputs configuration pannel of the editor, appearing on screen when you click on the "1-8" (or "9-16") button from the main window, depending on the input you want to configure, make sure that the status of the input this sensor is plugged to is turned on.
4° From left to right on the same line, set the bit depth to 7 Bits (sufficient enough for this case), the zoom to off and the offset to 0 (as the sensor signal is fairly useable as is), the **type to PC** (meaning "Program Change"), the MIDI channel to the one the Eobody is using, **the gate to its highest value** (to configure it as an on/off switch) and the sub sampling ("S Samp") to 0 (so that the signal is refreshed frequently).
5° Let us configure the program change: assign **"Val 1" to the number of your program** (here 32), **"Prm 1" to 20 and "Prm 2" to 120** (so as to create a gate).
6° Dump these settings to the Eobody by clicking on the "Dump" button on the main window.

You will normally have a lookalike window to the following one:

APPLICATION NOTES:

Precautions:
- Please protect this sensor against humidity and high temperature drifts! Suitable for indoor use only
- Install this sensor at the minimal advised height of 2 m for high-fidelity results and to achieve the most extended sensing range.

Ideas for custom use:
- A cardboard cone or tube set over the sensing zone can be used to reducing or custom-shaping the detection field.



Featured on stage:
- When the audience is actually a performer in its kind, detection sensors can be used to trigerring different soundscapes along the way.