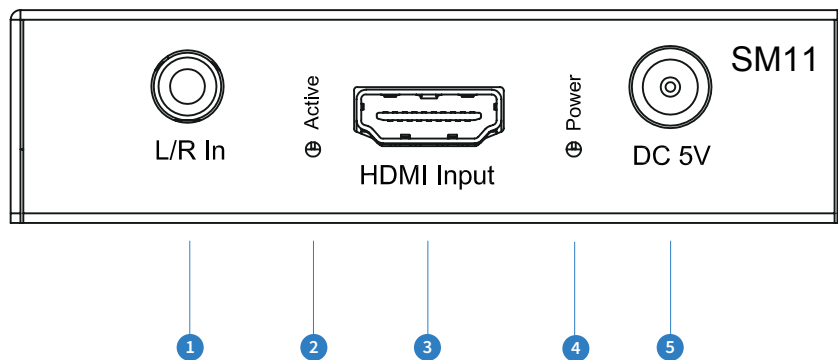
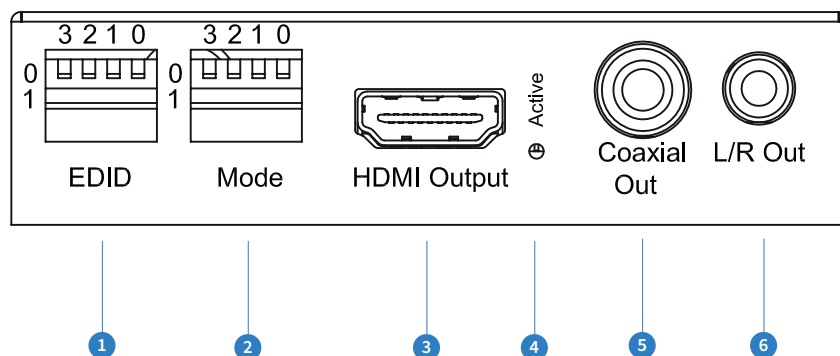


## Front Panel



- ① L/R analogue audio input - 3.5mm stereo jack
- ② HDMI input indicator LED - lit when connected to a source
- ③ HDMI input - connect to a HDMI source
- ④ Power indicator LED - lit when unit is powered on
- ⑤ Power port - use supplied 5V 1A DC adaptor

## Rear Panel



- ① EDID DIP switch (UP=0, DOWN=1) - see page 5 for further details
- ② Mode DIP switch - see page 5 for further details
- ③ HDMI output - connect to a HDMI display (unless using as an audio breakout only product)
- ④ HDMI link status LED - lit when connected to a HDMI display
- ⑤ Coaxial digital audio output (RCA)
- ⑥ Left/Right analogue audio output. De-embedded audio from the HDMI signal input. Note - source input must be PCM 2ch audio for analogue audio outputs to work. The SM11 does not down-mix multi-channel audio signals.

# EDID Control

EDID (Extended Display Identification Data) is a data structure that is used between a display and a source. This data is used by the source to find out what audio and video resolutions are supported by the display, from this information the source will discover what the best audio and video resolutions need to be outputted.

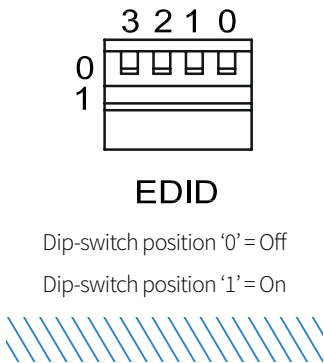
While the objective of EDID is to make connecting a digital display to a source a simple plug and play procedure, issues do arise when multiple displays or video matrix switching is introduced because of the increased number of variables.

By pre-determining the video resolution and audio format of the source and display device you can reduce the time needed for EDID hand shaking thus making switching quicker and more reliable.

Configuration of extender EDID settings can be acheived using the product dip-switches on the end panel of the SM11.

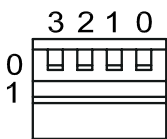
**Note:** You must power cycle the product after making EDID changes. For some sources it may be necessary to power cycle the source after EDID changes have been made for the source to update its video & audio output settings.

## Global EDID Settings



DIP ON ▼/OFF ▲ SWITCHING POSITIONS				EDID TYPE
3	2	1	0	
OFF	OFF	OFF	ON	1080p / 2ch
OFF	OFF	ON	OFF	1080p / 5.1ch
OFF	OFF	ON	ON	1080p / 7.1ch
OFF	ON	OFF	OFF	1080i / 2ch
OFF	ON	OFF	ON	1080i / 5.1ch
OFF	ON	ON	OFF	1080i / 7.1ch
OFF	ON	ON	ON	4K@60Hz 4:2:0 / 2ch
ON	OFF	OFF	OFF	4K@60Hz 4:2:0 / 5.1ch
ON	OFF	OFF	ON	4K@60Hz 4:2:0 / 7.1ch
ON	OFF	ON	OFF	4K / 2ch
ON	OFF	ON	ON	4K / 5.1ch
ON	ON	OFF	OFF	4K / 7.1ch
ON	ON	OFF	ON	DVI 1280x1024
ON	ON	ON	OFF	DVI 1920x1080
ON	ON	ON	ON	DVI 1920x1200
OFF	OFF	OFF	OFF	Copy sink EDID

## Mode DIP Switch Settings



Mode

The SM11 can be configured to perform various tasks using the MODE dip-switches. For details on each setting please see below:

**Note:** You must power cycle the product after making MODE changes.

### Dip-switch 3 - Hotplug mode ON / OFF

When Hotplug mode is turned OFF the SM11 will use the HPD of the connected display on the HDMI output.

When Hotplug mode is turned ON the SM11 will complete the HPD back to the source connected to the HDMI input, no longer requiring a HPD from a connected display.

Turning on HPD in the SM11 can be beneficial in 2 ways:-

- 1) Audio de-embedding is required but no display is available. The SM11 will act as the HDMI end-point completing the necessary HDMI handshake, allowing the HDMI source to output a signal.
- 2) The SM11 will act as the HDMI end-point completing the necessary HDMI handshake which can help resolve any handshake issues that may be associated with the display connected to the HDMI output of the SM11.

Position = 0 (up) - HPD (hot plug detect) off

Position = 1 (down) - HPD on

### Dip-switch 2 - Audio embedding

The SM11 can be used to embed audio onto the HDMI output signal.

Position = 0 (up) - HDMI input audio pass-through (no audio embedding)

Position = 1 (down) - audio embedding (2CH L/R audio input added to the HDMI video out)

**Note - Audio de-embedding is always active and is the breakout of the HDMI input audio only. Source input must be PCM 2ch audio for analog audio outputs to work. The SM11 does not down-mix multi-channel audio signals.**

### Dip-switch 1 - HDCP bypass or conversion

The SM11 can be used to help resolve HDCP issues.

Position = 0 (up) - HDCP management mode

Position = 1 (down) - HDCP bypass

### Dip-switch 0:

Reserved / not in use - leave in '0' position