EDID Master – EDM-16

sy

Installation Guide

EDM-16

EDID Master

EDM-16

The EDM-16 EDID Master is designed to remedy those situations where the default EDID settings won't let you have exactly what you require for the installation. This EDID Master features fourteen selectable filters and two programmable locations. The filtering modes modify the EDID settings from the programmable locations to provide the options selected by the rotary switch.

Features
- Fourteen selectable filters
- Two user programmable memory locations
- Quick and easy to install and operate
- Indication of HDCP activity
- Can be used either way round
- No external power supply required

Using the EDM-16
Simply plug the EDM-16 into the HDMI cable that is exhibiting the EDID problem and select the filter options until one is found that provides the best solution to the problem.

To use any of the fourteen filters or the programmed user locations, set the rotary switch to any position from 0 to F and briefly press the pushbutton to activate that EDID setting.

To program either of the user memories, set the rotary switch to position E or F and press the pushbutton until the green LED blinks. Please note that only User 2 (position F) is used by the first fourteen filtering options and User 1 (position E) is only available when the rotary switch is set to position E.

Selectable Filters
The following table details each of the fourteen selectable filters and the two user-programmable EDID memories. The filter number is the position on the sixteen-way rotary switch.

Filter No.	Filter Name	Description
0	HDMI to DVI-1	Disable the HDMI mode by suppressing the vendor specific information in the EDID data.
1	HDMI to DVI-2	Disable the HDMI mode by suppressing the CEA extension block from the EDID data.
2	DVI to HDMI	Add a CEA extension that contains an HDMI vendor specific block with no audio capabilities.

EDM-16

Filter No.	Filter Name	Description
3	DVI to HDMI	Add a CEA extension that contains an HDMI vendor specific block with basic audio capabilities.
4	VGA to DVI	Set the digital bit in the EDID data block, forcing a DVI mode.
5	Stereo Audio	Sets the HDMI audio options to 2 channel LPCM for 16 / 20 / 24 bits per sample and 32 / 44 / 48 kHz sample rates.
6	No Underscan	Disable the HDMI Underscan support
7	RGB Only	Sets the colour mode to RGB only, all YUV modes are suppressed.
8	50Hz Only	All refresh rates greater than 50Hz are suppressed
9	Below 720p Only	All resolution below 720p are permitted
A	Up to 720p Only	All resolutions up to 720p inclusive are permitted
B	Up to 1080p Only	All resolutions up to 1080p inclusive are permitted
C	Up to 1900 x 1200	All resolutions up to 1900 x 1200 inclusive are permitted
D	Up to 4k x 2k	All resolutions up to 4k x 2k inclusive are permitted
E	User 1	User-programmable EDID memory 1
F	User 2	User-programmable EDID memory 2

User-Programmable Memories

The two user-programmable memories can be used to store EDID data from any display device. To use these memories set the rotary switch to E or F and press the pushbutton until the green LED blinks.

Only memory F can have filters 0 to D applied to it. Memory E is never filtered and can only be used when the rotary switch is in position E. When the rotary switch is set to position F, the second user memory will be selected with no filtering applied.

www.sy.co.uk

EDM-16

Safety Instructions

To ensure reliable operation of this product as well as protecting the safety of any person using or handling this device while powered, please observe the following instructions.

1. Use the power supplies provided. If an alternate supply is required, check Voltage, polarity and that it has sufficient power to supply the device it is connected to.

2. Do not operate either of these products outside the specified temperature and humidity range given in the above specifications.

3. Ensure there is adequate ventilation to allow this product to operate efficiently.

4. Repair of the equipment should only be carried out by qualified professionals as these products contain sensitive devices that may be damaged by any mistreatment.

5. Only use these products in a dry environment. Do not allow any liquids or harmful chemicals to come into contact with these products.

6. Due to the weight and physical size of some of these matrix switchers, correct Manual Handling and Lifting procedures should be observed at all times while handling these products in order to minimise the risk of injury.

After Sales Service

1. Should you experience any problems while using this product, firstly refer to the Troubleshooting section in this manual before contacting SY Technical Support.

2. When calling SY Technical Support, the following information should be provided:

   - Product name and model number
   - Product serial number
   - Details of the fault and any conditions under which the fault occurs.

3. This product has a two year standard warranty, beginning from the date of purchase as stated on the sales invoice. Online registration of this product is required to activate the full three year extended warranty. For full details please refer to our Terms and Conditions.

4. SY Product warranty is automatically void under any of the following conditions:

   - The product is already outside of its warranty period
   - Damage to the product due to incorrect usage or storage
   - Damage caused by unauthorised repairs
   - Damage caused by mistreatment of the product

5. Please direct any questions or problems you may have to your local dealer before contacting SY Electronics.