



1x2 DVI Splitter



P/N: AV-GM0513-S1



Safety and Notice

The **AV-GM0513-S1 1x2 DVI Splitter** has been tested for conformance to safety regulations and requirements, and has been certified for international use. However, like all electronic equipments, the **AV-GM0513-S1** should be used with care. Please read and follow the safety instructions to protect yourself from possible injury and to minimize the risk of damage to the unit.

- Follow all instructions and warnings marked on this unit.
- Do not attempt to service this unit yourself, except where explained in this manual.
- Provide proper ventilation and air circulation and do not use near water.
- Keep objects that might damage the device and assure that the placement of this unit is on a stable surface.
- Use only the power adapter and power cords and connection cables designed for this unit.
- Do not use liquid or aerosol cleaners to clean this unit. Always unplug the power to the device before cleaning.



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INTRODUCTION

The **AV-GM0513-S1 1x2 DVI Splitter** receives and reconstructs (equalizing & reclocking) a DVI signal and distributes it to two identical outputs. It can be perfectly cascaded with one another in order to obtain more DVI outputs. It will also process (read & store) the EDID information sent through the Data Display Channel (DDC).

FEATURES

- Perfectly as a repeater by regenerating the DVI signal
- Stackable, 8 devices stacked can support up to 17 outputs
- Reads and remembers the EDID of displays
- Can be modified EQ with two modes
- Extends greater than 14m / 45ft of input / output DVI cable

PACKAGE CONTENTS

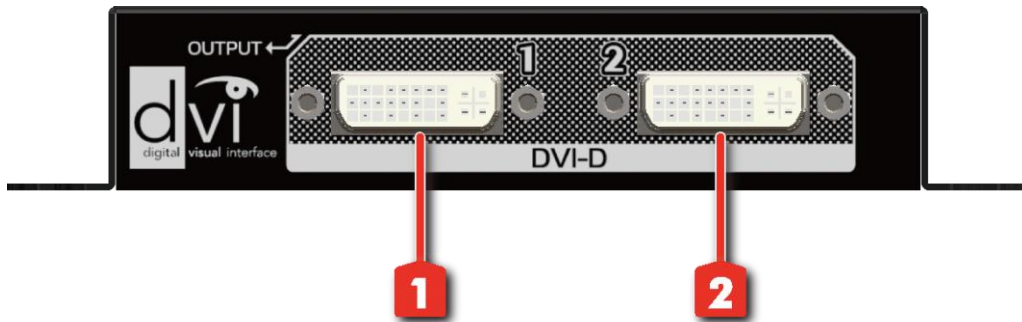
- 1x AV-GM0513-S1
- 1x 1x 5V DC power adapter
- 1x User Manual

SPECIFICATIONS

Model Name		AV-GM0503-S1
Technical		
Role of usage		1x3 Distribution Amplifier (Splitter)
DVI compliance		DVI 1.0
Video support		Up to WUXGA [1920x1200@60Hz] & UXGA [1600x1200@60Hz]
PCB stack-up		4-layer board [impedance control — differential 100Ω; single 50Ω]
Input		1x DVI-I
Output		2x DVI-I
DVI connector		DVI-I [29-pin male, digital only]
RJ45 connector		N/A
Control Switch		2-pin DIP switch
Mechanical		
Housing		Metal enclosure
Dimensions [L x W x H]	Model	120 x 92 x 26mm [4.7" x 3.6" x 1"]
	Package	270 x 175 x 80mm [10.6" x 6.9" x 3.1"]
Weight	Model	353g [12.5oz]
	Package	645g [1.4 lbs]
Power supply		5V 2A DC
Power consumption		4 Watt [max]
Operation temperature		0~40°C [32~104°F]
Storage temperature		-20~60°C [-4~140°F]
Relative humidity		20~90% RH [no condensation]

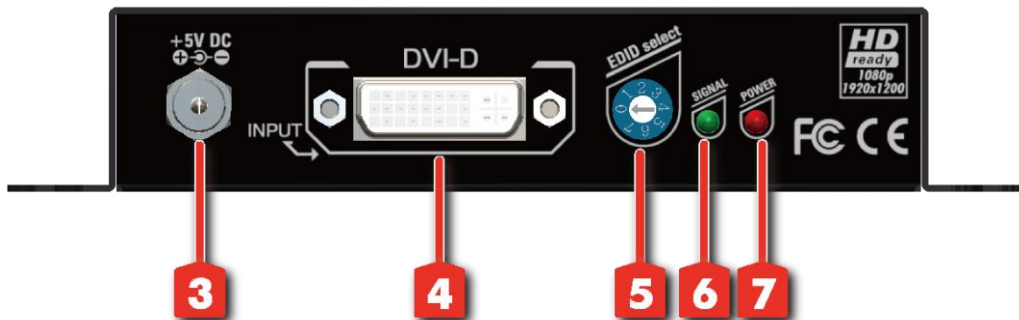
PANEL DESCRIPTIONS

Front Panel



1. DVI: DVI output 1
2. DVI: DVI output 2

Rear Panel



3. Power: +5V DC
4. DVI: DVI input
5. Rotary switch: ID switch
6. LED: Power indicator
7. LED: Signal indicator

Rotary Switch



	EDID Mode
0	Default EDID – 1920x1200
1	Default EDID – 1920x1080
2	Default EDID – 1680x1050
3	Default EDID – 1600x900
4	Default EDID – 1440x900
5	Default EDID – 1360x768
6	Default EDID – 1280x800
7	EDID Learning [from Output1]

WARNING!!

Don't plug in DVI source while the AV-GM0513-S1 is writing default EDID or recording EDID from displays. This will cause damage to the EDID in the flash memory.

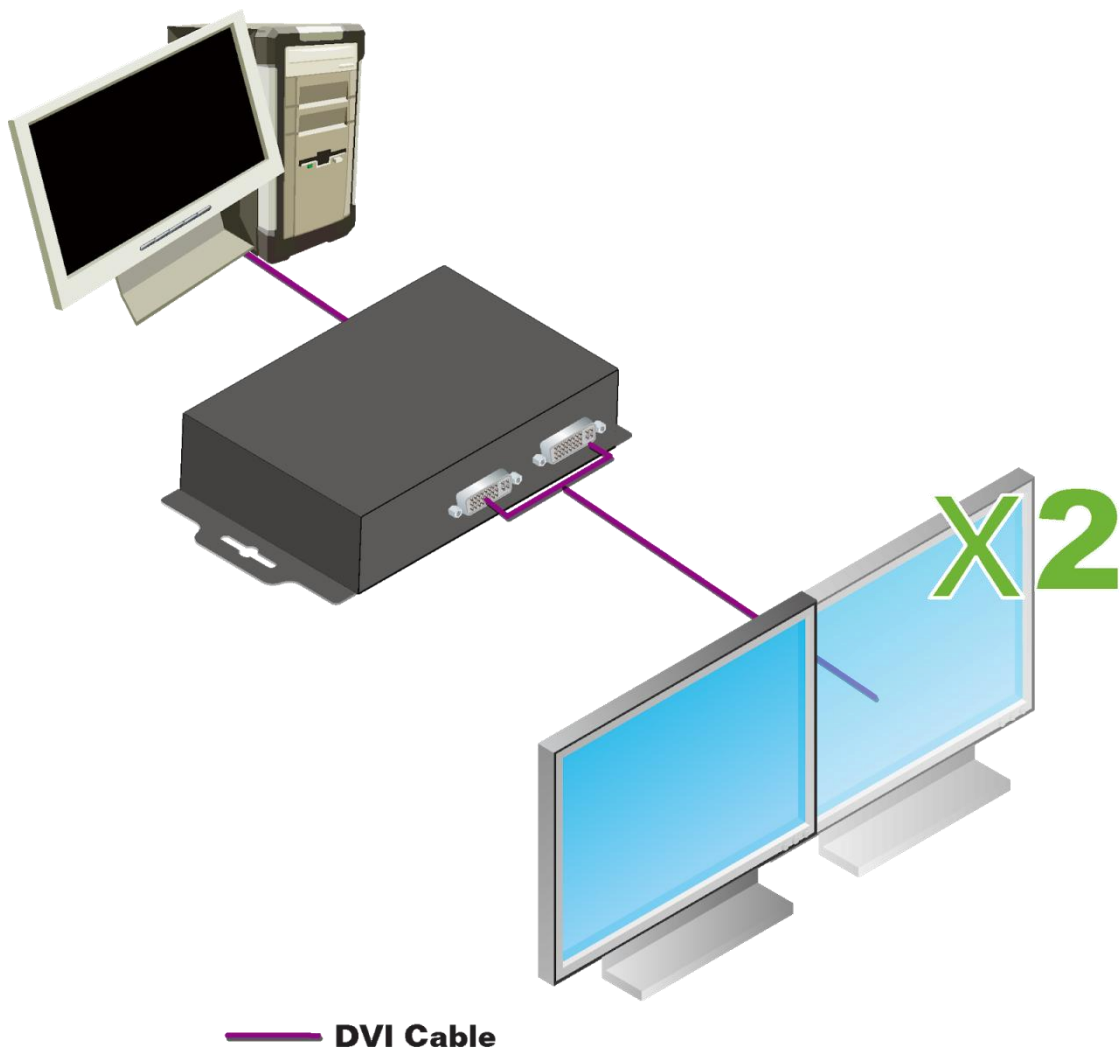


If you cannot boot your computer from the connected AV-GM0513-S1 due to the damaged EDID in the AV-GM0513-S1, please proceed the "Writing default EDID" and then "Recording EDID of the connected display". This will enforce the AV-GM0513-S1 to write the EDID from display.

HARDWARE INSTALLATION

- We suggest you connect the monitor with the **lowest resolution** support to the DVI-OUT 1.
e.g. Suppose monitor A might support a maximum resolution of 1920 x 1200, monitor B supports a maximum resolution of 1280 x 1024 and monitor C supports a maximum resolution of 1024 x 768, please connect monitor C to DVI-OUT 1.
 - Unless you would like to use the default universal EDID, please set Rotary Switch at 7, which allows the AV-GM0513-S1 to read the first connected monitor's EDID.
1. Connect a monitor, a projector or other displays with DVI inputs by a male-to-male DVI cable to DVI-OUT 1.
 2. Power on AV-GM0513-S1 and then turn the rotary switch from any other default EDID to 7.
 3. The green signal will start to twinkle.
 4. After the twinkling is finished, the EDID Learning is done.

CONNECTION DIAGRAM



WARRANTY

The SELLER warrants the **AV-GM0513-S1 1x2 DVI Splitter** free from defects in the material and workmanship for 3 years from the date of purchase from the SELLER or an authorized dealer. Should this product fail to be in good working order within 3 years warranty period, The SELLER, at its option, repair or replace the unit, provided that the unit has not been subjected to accident, disaster, abuse or any unauthorized modifications including static discharge and power surge. This warranty is offered by the SELLER for its BUYER with direct transaction only. This warranty is void if the warranty seal on the metal housing is broken.

Unit that fails under conditions other than those covered will be repaired at the current price of parts and labor in effect at the time of repair. Such repairs are warranted for 90 days from the day of reshipment to the BUYER. If the unit is delivered by mail, customers agree to insure the unit or assume the risk of loss or damage in transit. Under no circumstances will a unit be accepted without a return authorization number.

The warranty is in lieu of all other warranties expressed or implied, including without limitations, any other implied warranty or fitness or merchantability for any particular purpose, all of which are expressly disclaimed.

Proof of sale may be required in order to claim warranty. Customers outside Taiwan are responsible for shipping charges to and from the SELLER. Cables and power adapters are limited to a 30 day warranty and must be free from any markings, scratches, and neatly coiled.

The content of this manual has been carefully checked and is believed to be accurate. However, The SELLER assumes no responsibility for any inaccuracies that may be contained in this manual. The SELLER will NOT be liable for direct, indirect, incidental, special, or consequential damages resulting from any defect or omission in this manual, even if advised of the possibility of such damages. Also, the technical information contained herein regarding the **AV-GM0513-S1** features and specifications is subject to change without further notice.

Support

For more info or tech support
<http://www.siig.com/support>