

16x16 HDMI Deep Color & full 3D over single Cat.X Matrix



To avoid EMI issue, complete STP Cat6 cable is strongly recommended!

P/N: AV-GM07J3-S1



Safety and Notice

The AV-GM07J3-S1 16x16 HDMI Deep Color & full 3D over single Cat.X matrix has been tested for conformance to safety regulations and requirements, and has been certified for international use. However, like all electronic equipments, the AV-GM07J3-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-GM07J3-S1 16x16 HDMI Deep Color & full 3D over single Cat.X matrix with bi-directional IR provides the most flexible and cost effective solution in the market to route high definition video sources plus multi-channel (up to 7.1-channel) digital audio from any of the four HDMI sources to the remote displays at the same time. Through only one low cost Cat-5/5e/6 LAN cables, not only high quality video and audio can be transmitted to the display sites, but also users can switch among four HDMI sources using the push-in button or remote control. Furthermore, the built-in IR extension function makes users at display site access the DVD player, PS3 or any HDMI supported devices directly!

FEATURES

- Support HDMI Deep Color & full 3D
- HDCP compliant
- Allows any source to be displayed on multiple displays at the same time
- Allows any HDMI display to view any HDMI source at any time
- Supports 7.1 channel digital audio
- Supports default HDMI EDID and learns the EDID of displays
- Supports full frequency IR signal from 20KHz to 60KHz
- The matrix master can switch every output channels to any HDMI inputs by push-in button, IR remote control, RS-232 control, and Ethernet control
- Allows controlling local HDMI sources such as DVD and TiVo by attached IR extender from remote receiver to matrix master
- Extends video signal up to 35m (115 feet) over single CAT.X at 1080p and likely longer with better HDMI source device (such as PS3), better grade HDMI display (such as Sony X-series HDTV), and better quality solid CAT6 cable
- Easy installation with rack-mounting and wall-mounting designs for master and receiver respectively
- Fast response time 2~5 seconds for channel switch

PACKAGE CONTENTS

- 1x AV-GM07|3-S1
- 1x IR receiver
- 1x Rack-mounting ear set
- 1x Installation software CD
- 1x UC AC Power cord
- 1x IR blaster*
- 1x IR Remote control*
- 1x User Manual

* Additional IR remote controllers and IR blasters can be purchased as optional accessories to control the HDMI sources located separately.

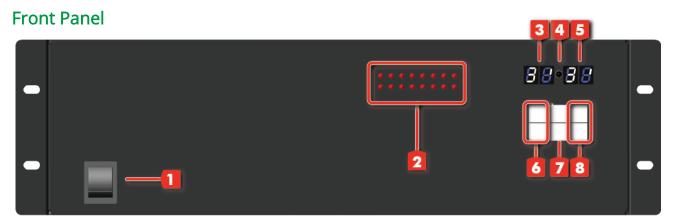
SPECIFICATIONS

Model Name	AV-GM07J3-S1		
Technical	AV-GM07J3-S1	MA-5288RX	
Role of usage	True 16x16 matrix switcher Transmitter [TX]	Receiver [RX]	
HDMI compliance	HDMI Deep C	olor & full 3D	
HDCP compliance	Ye	es ·	
Video bandwidth	Single-link 225N	/lHz [6.75Gbps]	
Video support	480i / 480p / 720p / 1080	Di / 1080p60 36-bit color	
Audio support	Surround sound (up to 7.1	ch) or stereo digital audio	
HDMI over CAT5 transmission range	Full HD (1080p): 39 HD (720p/1080i): 5		
HDMI equalization	N/A	8-level digital rotary control	
Input TMDS signal	1.2 Volts [pe	eak-to-peak]	
Input DDC signal	5 Volts [peak-to-peak, TTL]		
ESD protection	[1] Human body model — ±19kV [air-gap discharge] & ±12kV [contact discharge] [2] Core chipset — ±8kV		
PCB stack-up	4-layer board [impedance control — differential 100 Ω ; single 50 Ω]		
Input	16x HDMI / 1x RS-232 / 1x Ethernet 1x RJ-45 / 1x IR socket for IR receiver 1x IR socket for IR receiver		
Output	16x RJ-45 / 17x IR socket for IR blaster	1x HDMI / 1x IR socket for IR blaster	
HDMI Input selection	Push-in button / IR remote control / RS-232 control / Ethernet control	IR remote control	
HDMI source control	Controllable via IR pass-through from IR receiver at RX to IR blaster at TX		
IR remote control	Electro-optical characteristics: 🛘 = 25° / Carrier frequency: 20-60kHz		
HDMI connector	Type A [19-pin female]		
RJ-45 connector	WE/SS 8P8C		
RS-232 connector	DE-9 [9-pin D-sub female]		
3.5mm connector	Earphone jack for IR blaster [All IR Out] IR control on all source devices [IR1~IR16] IR control on individual	Earphone jack for IR blaster [IR] IR control on individual display device	
	source device	Earphone jack for IR receiver	

		Earphone jack for IR receiver [System IR] Receives IR commands from remote control	[IR] Receives IR commands from remote control	
Mechanical		AV-GM07J3-S1	MA-5288RX	
Enclosure	nclosure Metal case		l case	
	Model	TBA	TBA	
Dimensions (L x W x H)	Dimensions Package TBA		BA	
Carton		TBA		
NA	Model	TBA	TBA	
Weight	Package	TBA		
Fixedness		3RU rack-mount with ears Wall hanging holes	Wall-mount with screws	
Power supply	y	AC Power 100-240V 5V 2A DC		
Power consu	mption	1.5 Watt [max]		
Operation temperature	0~40°C 132~104°F1		32~104°F]	
Storage temp	perature	ture -20~60°C [-4~140°F]		
Relative hum	idity	20~90% RH [no condensation]		

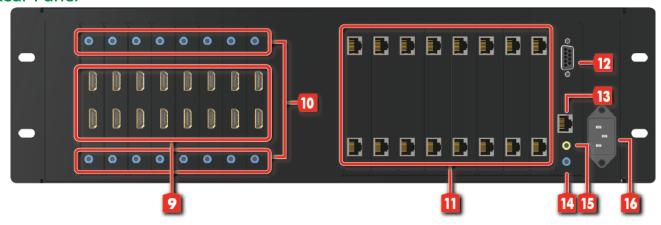
PANEL DESCRIPTIONS

Transmitting unit ► AV-GM07J3-S1-TX



- 1. Power Switch: Power ON/OFF switch
- 2. Source Status: Input source indicator LED
- 3. Output 7-segment LED: LED display for output ports
- 4. IR SENSOR: IR sensor for receiving the IR commands from IR remote
- 5. Input 7-segment LED: LED display for input channels
- **6. Output Push Button:** Front panel push buttons used to select the number of display channel
- 7. Enter Button: Trigger the IN/OUT mapping setting
- 8. Input Push Button: Front panel push buttons used to select the number of input source

Rear Panel

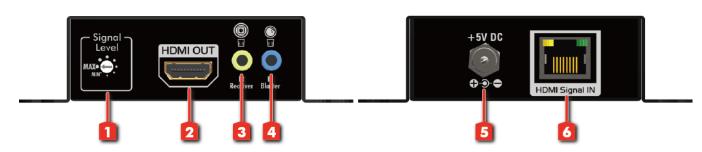


- 9. INPUT 1-16: HDMI inputs
- 10. IR Blaster 1-16: Infrared 3.5mm socket for plugging in the extension cable of IR blaster
- **11.Output Port 1-16:** RJ-45 outputs for each output channel
- 12. RS-232: RS-232 control port

- 13. Ethernet: Ethernet control port
- 14. All IR Output: 3.5mm IR blaster socket for HDMI source control on all 16 inputs
- **15. System IR Receiver:** Ext. IR receiver
- **16.AC Power: 100-240V**

Receiving unit ► MA-5288RX

Front Panel Rear Panel



- 1. **Signal Level:** Adjust the 8-level equalization control to the received HDMI signals. The HDMI signal level varies from strongest (0) to weakest (7) for respective transmission length from longest possible range to short distance. Please adjust the signal level from strongest to weakest and stop turning the rotary switch whenever the audio/video is playing normally. Inappropriate signal level setting may cause overpowering issue that would shorten the product life significantly!
- 2. HDMI Output: Connect to HDTV with a HDMI cable
- 3. IR RECEIVER: Plug in IR receiver
- 4. IR Blaster: Plug in IR blaster
- **5. +5V DC:** 5V DC power jack
- 6. HDMI Signal IN: Plug in a Cat.X cable

IR PASS-THROUGH

IR Extenders

IR Blaster



IR Receiver



IR Sockets

AV-GM07I3-S1

All IR Out: The default location for IR blaster to transmit all IR command signals received from any of the four remote receivers to all of the HDMI sources.

IR BLASTER 1-16: IR blaster connected here can only transmit IR command signals from the remote receivers that are setting at respective input channel from 1 to 16.

System IR: Receives IR commands from remote control

MA-5288RX

IR BLASTER: IR control on individual display device

IR RECEIVER: IR receiver connected here can receive all IR command signals from the IR remote controls of AV-GM07J3-S1 and all other HDMI source devices.

CAUTION!

Incorrect placement of IR Blaster and Receiver may result in the failure of the IR extenders. Please check carefully before plugging in the IR extender to the respective IR sockets. Warranty will not cover the damage.

Definition of IR Earphone Jack

IR Blaster



IR Receiver





You can buy any IR extension cables in the market that are compatible to the definition of the IR sockets for the matrix if necessary for replacement use. However, IR cables longer than 2m (6-ft) may not work.

HARDWARE INSTALLATION

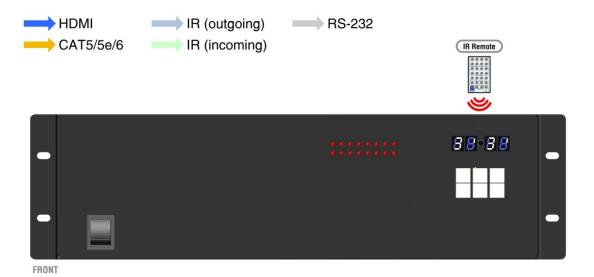
AV-GM07J3-S1 as master

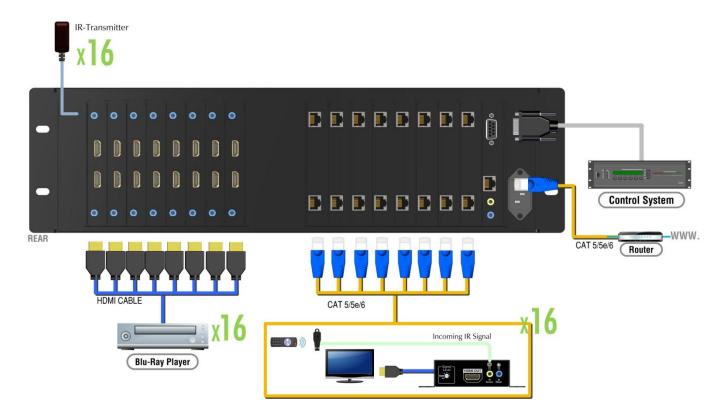
- 1. Connect all sources to HDMI Inputs on the 16x16 HDMI over CAT.X matrix master AV-GM07J3-S1.
- 2. Connect each CAT.X output port on the AV-GM07J3-S1 to respective CAT.X input on the remote receiver MA-5288RX.
- 3. Connect IR blaster to the AV-GM07J3-S1 and direct the IR blaster to point towards the built-in IR receiver of the HDMI source devices.
- 4. Connect the +12V 5A DC power supply to the AV-GM07J3-S1.
- 5. Power on all HDMI sources.

MA-5288RX as receiver

- 1. Connect each HDMI output to HDMI displays.
- 2. Connect the CAT.X input on the MA-5288RX to the CAT.X output port on the AV-GM07J3-S1.
- 3. Connect IR receiver and place the IR receiver at the appropriate position that can receive the IR signals sent from the users.
- 4. Dial the 8-level rotary control switch to adjust the HDMI signal level until the picture and sound are clear. It is recommended to dial from weakest to strongest to find the optimal visual experience

CONNECTION DIAGRAM





OPERATION APPROACH

Method A: Push-in Button

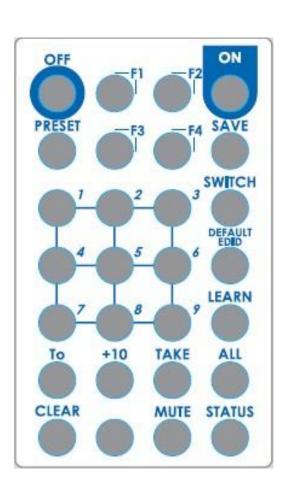


1. IN/OUT MAP

- 1) Use the " or output push button to select the number of display
- 2) Use the " or " input push button to select the number of input source
 - "Enample selected input/output port in ascending order
 - " : change selected input/output port in descending order
- 3) After selecting the desired input/output port, please push the enter button to let the setting be effective

Method B: IR Remote Control

Button	Function	
ON	Power on the matrix switcher	
OFF	Standby mode	
PRESET	Preset mapping mode	
SAVE	Save current mapping mode	
Number buttons 1-9	Select a number	
+10	Plus 10 for number key	
То	Transfer key	
TAKE	Trigger the previous setting	
SWITCH	Begin input and output selection	
DEFAULT EDID	Begin default EDID selection	
LEARN	Reserved	
ALL	Select all inputs or outputs	
CLEAR	Clear the previous IR operation procedure	
MUTE	Turn off output's video and	



	audio
STATUS	Preset output status
F1	Reserved
F2	Reserved
F3	Reserved
F4	Reserved

F4 F	Reserved	
Operation	Procedure	7-Segment LED
IN/OUT Switch	Switch + number(output) + To + number(input) + Take	
	1.Press "SWITCH" button	;
- 4 1	2.Press number key "4" to select Output	04;
Ex1: Input 3 To Output 4	3.Press "To" button	04;
το σαίραι τ	4.Press number key "3" to select Input	04;03
	5.Press "TAKE" button	04;03
	1.Press "SWITCH" button	;
Ev2. Innext 12	2.Press number key "+10" and then "4" to select Output	14;
To Output 14	3.Press "To" button	14;
	4.Press number key "+10" and then "3" to select Input	14;13
	5.Press "TAKE" button	14;13
	Switch + All(output) + To + number(input) + Take	
	1.Press "SWITCH" button	;
Fur loout 2	2.Press "ALL" to select All Output	All;
Ex: Input 3 To Output All	3 PIACC 10 DITION	All;
	4.Press number key "3" to select Input	All;03
	5.Press "TAKE" button	
Output Status	Switch + number(output) + To + Status + Take	
	1.Press "STATUS" button	;
·	2.Press "SWITCH" button	;
(Input 2)	3.Press number key "4" to select Output	04;
	5.Press "TAKE" button	04;02
Learn Default EDID	Default EDID + number(1-8 default EDID) + To + number(input) + Take	
Ex: Default EDID 2 Input 3	1.Press "DEFAULT EDID" button	Ed;
	2.Press number key "2" to select default EDID	02;All
		02;
	4. Press number key "3" to select Input	02;03
	5.Press "TAKE" button	
	Default EDID + number(1-8 default EDID) + Take	_
Ex: Default EDID 2	1.Press "DEFAULT EDID" button	Ed;

Input All	2.Press number key "2" to select default EDID	02;All
	3.Press "TAKE" button	
Save Current Mapping	Save + number(1-8 storage site) + Take	
	1.Press "SAVE" button	SA;VE
Ex: Save current	2.Press number key "5" to select the storage site	00;05
mapping to 5	3.Press "TAKE" button	

Preset Mapping	Preset + number(1-8 storage site) + Take	
	1.Press "PRESET" button	Lo;Ad
Ex: Preset saved mapping from 5	2.Press number key "5" to select the storage site	00;05
	3.Press "TAKE" button	
Mute Output	Switch + number(output) + To + Mute + Take	
	1.Press "SWITCH" button	;
	2.Press number key "3" to select Output	03;
Ex: Mute Output 3	3.Press "To" button	03;
	4.Press "MUTE" button	03;00
	5.Press "TAKE" button	03;00
	Switch + All(output) + To + Mute + Take	
	1.Press "SWITCH" button	;
	2.Press "ALL" to select all output	All;
Ex: Mute All Output	3.Press "To" button	All;
	4.Press "MUTE" button	All;00
	5.Press "TAKE" button	

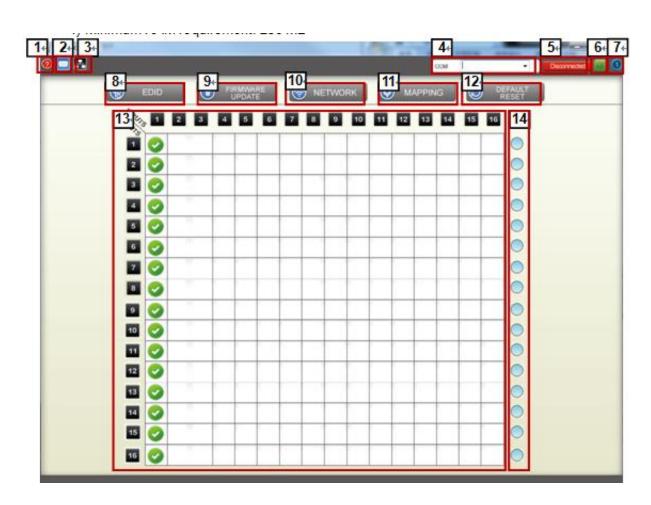
Method C: Software Control through RS-232 port / Ethernet port

1. System Requirement

1) OS Information: MS WinXP/7

2) Baud rates: 96003) Software size: 3 MB

4) Minimum RAM requirement: 256 MB



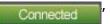
1	Version Button for FW/ SW	8	EDID Button
2	RS-232 Button	9	Firmware Update Button
3	Ethernet Button	10	Network Button
4	COM Port Selection	11	Mapping Button
5	Connect/Disconnect Status	12	Default Reset Button
6	Connect Button	13	In/Out Switch Button
7	Power On/Off Button	14	Mute Output Button

2. Step by step for connecting matrix and controller

Step1: Use RS-232 cable to connect the RS-232 port on matrix and PC

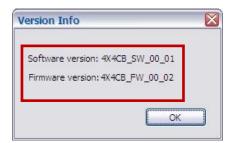
Step2: Open the software and then choose the correct com port

Step3: Click connection button "



3. FW/SW Version Button

Click "O" button to show version information



4. RS-232 Button

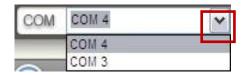
- 1) Click " button to switch to RS-232 function.
- 2) If RS-232 is connected, the button will show the sign image to let you know.

5. Ethernet Button

- 1) Click " button to switch to Ethernet function
- 2) If Ethernet is connected, the button will show the sign image to let you know.

6. COM Port Selection

Click " button to select COM Port



7. Connection Status



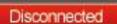
1) Connected Status:



2) Connecting Status:



3) Disconnected Status:



8. Connect/Disconnect Button

Click this button " to change connection status

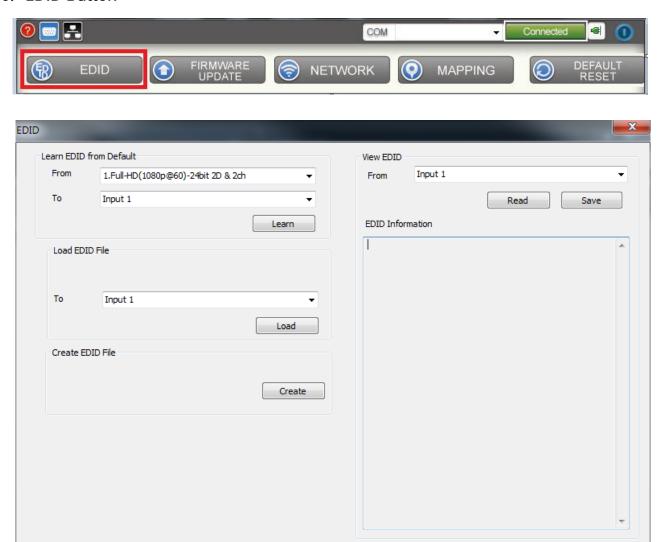


9. Power On/Off Button

Click this button to power on/off

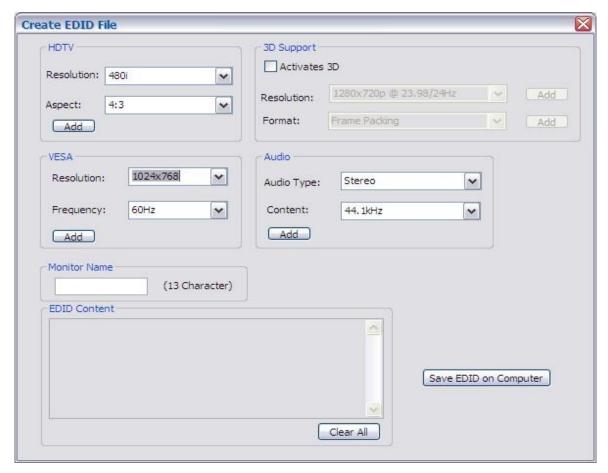
- 0
 - "Power on status(Blue): Click this button to power off device(Standby Mode)
- " Power off status(Red): Click this button to power on device

10. EDID Button

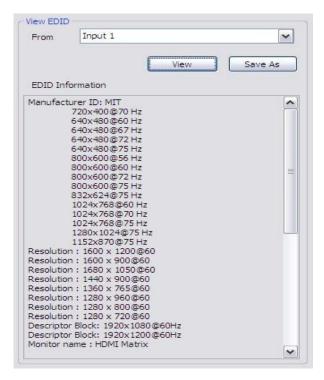


- 1) Learn EDID from Default
- a) Select Default EDID(1-8 Default EDID)
- b) Select Input
- c) Click "Learn" button to learn default EDID
- 2) Load EDID File to Input

- a) Select Input
- b) Click "Load" button to select the EDID file
- 3) Create EDID File
 - a) Click "Create" button to create EDID file



- b) Select the EDID content
- c) Click "Save EDID on Computer" to save the generated EDID as a file
- 4) View EDID content
 - a) Select Input, HDMI output, or From File
 - b) Click "View" button to read the EDID and analysis

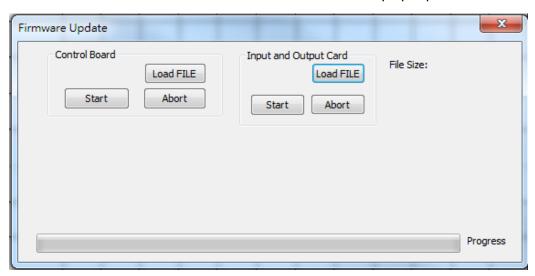


c) Click "Save As" to save the read EDID as a file on computer

11. Firmware Update Button



- 1) Make sure RS-232 is connecting and the connecting status is "Connected"
- 2) Click "FIRMWARE UPDATE" Button and then will be a pop-up windows



3) F/W Update for Control Board

Step1: Click "Load File" to select the firmware file which you want to update

Step2: Power OFF the AV-GM07J3-S1

Step3: Power ON the AV-GM07J3-S1

Step4: Click "Start" button and the firmware will start writing

4) F/W Update for Input and Output Card

Step1: Click "Load File" to select the firmware file which you want to update

Step2: Click "Start" button and the firmware will start writing

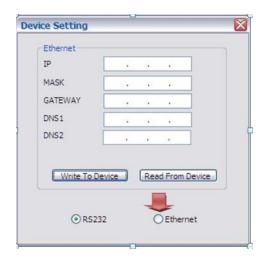
12. Network Button



Step1: Make sure the connection status is on connected status "Connected

Step2: Connect matrix to network through IP control port

Step3: Click "NETWORK" Button and then will be a pop-up windows



Step4: Click "Read From Device" to read the device IP address

Step5: Select "Ethernet" button and then will be a pop-up windows



Step6: Key in the device IP address to the pop-up windows and click OK

Step7: Click the Connect Button " to connect then you start control by Ethernet

*Remark: Switch controlling by clicking the shortcut button



RS-232 Button:

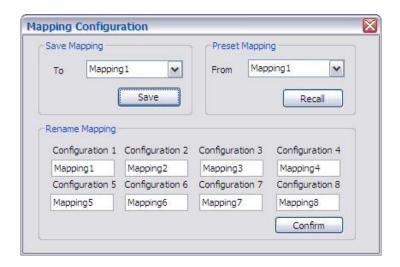
Click the button and then click "Connect Button" to start



Ethernet Button:

Click the button and then click "Connect Button" to start

13. Mapping Button



- 1) Save Mapping:
- a) Select Mapping(1-8)
- b) Click "Save" button to save current mapping
- 2) Preset Mapping:
- a) Select Mapping(1-8)
- b) Click "Recall" button to recall previous mapping which are saved
- 3) Rename Mapping:
 - a) Rename the mapping(Mapping1-Mapping8)
 - b) Click "Confirm" button to confirm the change

14. Default Reset Button

Click this button to do factory default reset

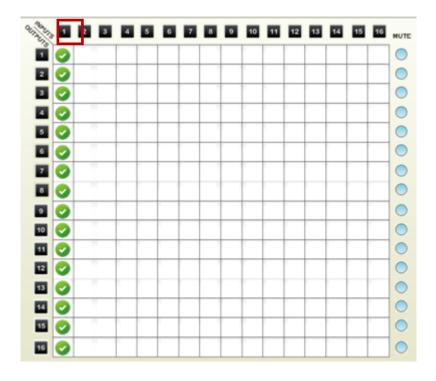
The default reset process will take about 80~90 seconds

15.In/Out Switch Button

Click the button on the checkerboard to select Input & Output port



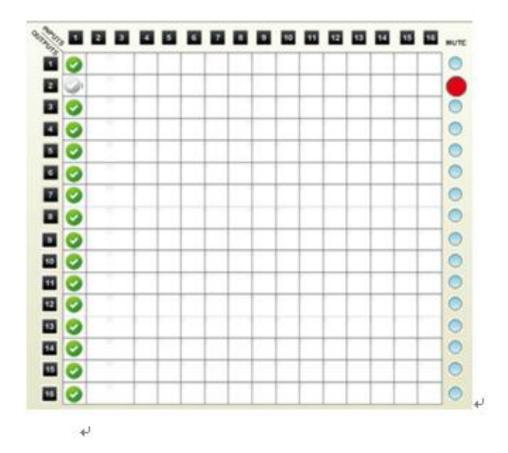
User can click the input number button to let all outputs select the same input Ex: All outputs select input 1



16. Mute Output Button

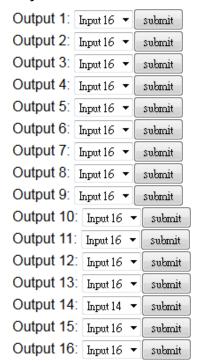
Click the circle button to turn off output's video and audio

Ex: Mute Output 2



Method D: Web Interface Control

- 1. Set up PT-MA-HD1616-C IP address (Please refer to Network setting section)
- 2. Key in the IP address on the web page



EDID LEARNING

The EDID learning function is only necessary whenever you encounter any display on the HDMI output port that cannot play audio and video properly. Because the HDMI source devices and displays may have various level of capability in playing audio and video, the general principle is that the source device will output the lowest standards in audio format and video resolutions to be commonly acceptable among all HDMI displays. In this case, a 720p stereo HDMI signal output would be probably the safest choice. Nevertheless, the user can force the matrix to learn the EDID of the lowest capable HDMI display among others to make sure all displays are capable to play the HDMI signals normally.

There are THREE methods to do EDID Learning as below,

- 1. Front Panel Push-in Button: Please refer to the Operation Approach\ Method A: Push-in Button
- 2. IR Remote Control: Please refer to the Operation Approach\ Method B: IR Remote Control
- 3. Software Control: Please refer to the **Operation Approach\ Method C: Software Control through RS-232 port**

There are eight embedded default EDID as below,

- 1. Full-HD(1080p@60)-24bit 2D & 2ch
- 2. Full-HD(1080p@60)-24bit 2D & 7.1ch
- 3. Full-HD(1080p@60)-24bit 3D & 2ch
- 4. Full-HD(1080p@60)-24bit 3D & 7.1ch
- 5. HD(1080i@60)(720p@60)-24bit 2D & 2ch
- 6. HD(1080i@60)(720p@60)-24bit 2D & 7.1ch
- 7. Full-HD(1080p@60)-36bit 2D & 2ch
- 8. Full-HD(1080p@60)-36bit 2D & 7.1ch

FAQ

Q The quality of output video is not good enough, how can I do?

A Please adjust the 8-level equalization on the receiver units. The HDMI signal level varies from 0 (strongest) to 7 (weakest) for respective transmission length from longest possible range to short distance. It is recommended to switch from 7 to 0 to find the optimal visual experience.

Q Can I use any kind of LAN cable?

A Please check the NOTICE section for more information about how to pick up a suitable cable.

Q Can every TV work with the HDMI matrix?

A Basically, the answer is YES. But if your TV can not support 1080p, please refer the EDID LEARNING section to learn EDID from your TV.

Q What is EDID? Why do I need to learn EDID?

A EDID contains the whole information of the display such as the resolution and audio setting which this display can support. Therefore, based on the EDID information, media player will pick up the most suitable resolution and audio setting to the display. In order to faithfully transmit the EDID information from display to the media player, learning EDID from display to this device is necessary.

Q What should I do to learn EDID for the matrix?

A Due to the limitation of HDMI, the source device can only output one format of video and audio. In other words, the source device cannot output 720p and 1080p video at the same time, or output stereo and surround sound at the same time. Therefore, you may need to manually setup each HDMI input for desirable audio/video output format. The mechanism of EDID Learning is to pick up the HDMI display with the lowest capability among the ones you would use for this input source. For example, if user would like to play the Input-2 upon output-2, output-3 and output-4, and only output-3 cannot support 1080p [support up to 720p only], please learn the EDID from the display connected to the output-3 at the Input-2 port. Of course, if outpt-3 would get the HDMI signals from every HDMI input, please learn EDID information from output3 to all four HDMI inputs. For more information about EDID Learning, please refer to EDID LEARNING section.

Q My TV can support 1080p, but why there is no audio?

A The factory default EDID of this device is 1080p & 2ch audio. However, there would be a problem after you change to use 1080p & 7.1ch if the TV cannot support 7.1ch audio. Please use the default EDID, 1080p & 2ch audio.

Q When I set an audio amplifier (AV receiver) between TV and the matrix to extract 7.1ch audio, but why there is still no audio?

A Basically, the default EDID of the chosen input can support 7.1ch audio, but the problem is that the EDID of the amplifier still cannot match the default setting. Therefore, the best method is to learn EDID from the amplifier directly. Please refer to EDID LEARNING section and follow the steps to learn the EDID. When learning EDID from the amplifier, user just needs to connect the matrix and amplifier. Please don't connect HDMI cable between amplifier and TV when the EDID learning is proceeding.

When I play the same content upon multi-displays, why only the TV equipped with amplifier can have 7.1ch audio, and the others don't have 7.1ch audio even no stereo?

A Due to the limitation of HDMI, the source only can choose one video and one audio format to play, which can be either 1080p and 7.1ch or 1080p and stereo audio. It means when the

NOTICE

- 1. If the DVI or HDMI device requires the EDID information, please use EDID Reader/Writer to retrieve and provide DVI/HDMI EDID information.
- 2. All HDMI over CAT5 transmission distances are measured using Belden 1583A CAT5e 125MHz LAN cable and ASTRODESIGN Video Signal Generator VG-859C & VG-870B.
- 3. The transmission length is largely affected by the type of LAN cables, the type of DVI sources, and the type of DVI display. The testing result shows solid LAN cables (usually in bulk cable 300m/1000ft form) can transmit a lot longer signals than stranded LAN cables (usually in patch cord form). Shielded STP cables are better suited than unshielded UTP cables. A solid UTP CAT5e cable shows longer transmission range than stranded STP CAT6 cable. For long extension users, solid LAN cables are the only viable choice.
- 4. EIA/TIA-568-B termination (T568B) for LAN cables is recommended for better performance.
- 5. To reduce the interference among the unshielded twisted pairs of wires in LAN cable, one can use shielded LAN cables to improve EMI problems, which is worsen in long transmission.
- 6. Because the quality of the LAN cables has the major effect on how long the transmission limit can achieve and how good is the received picture quality, the actual transmission range is subject to one's choice of LAN cables. For desired resolutions greater than 1080i or 1280x1024, a Cat-6 cable is recommended.
- 7. If your HDMI display has multiple HDMI inputs, it is found that the first HDMI input [HDMI input #1] generally can produce better transmission performance among all HDMI inputs.
- 8. Additional IR remote controls and IR blasters can be purchased as optional accessories to control the HDMI sources located separately.



WARRANTY

The SELLER warrants the AV-GM07J3-S1 8x8 HDMI & Full 3D support over CAT.X Matrix with IR Pass-through 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-GM07J3-S1 features and specifications is subject to change without further notice.

Support

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