

ANI-QUAD ▶

4x4 HDMI VIDEO WALL PROCESSOR & MATRIX SWITCH

INSTRUCTION MANUAL





SAFETY INFORMATION



1. To ensure the best results from this product, please read this manual and all other documentation before operating your equipment. Retain all documentation for future reference.
2. Follow all instructions printed on unit chassis for proper operation.
3. To reduce the risk of fire, do not spill water or other liquids into or on the unit, or operate the unit while standing in liquid.
4. Make sure power outlets conform to the power requirements listed on the back of the unit. Keep unit protected from rain, water and excessive moisture.
5. Do not attempt to clean the unit with chemical solvents or aerosol cleaners, as this may damage the unit. Dust with a clean dry cloth.
6. Do not use the unit if the electrical power cord is frayed or broken. The power supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them, paying particular attention to cords and plugs, convenience receptacles, and the point where they exit from the appliance.
7. Do not force switched or external connections in any way. They should all connect easily, without needing to be forced.
8. Always operate the unit with the AC ground wire connected to the electrical system ground. Precautions should be taken so that the means of grounding of a piece of equipment is not defeated.
9. AC voltage must be correct and the same as that printed on the rear of the unit. Damage caused by connection to improper AC voltage is not covered by any warranty.
10. Turn power off and disconnect unit from AC current before making connections.
11. Never hold a power switch in the "ON" position.
12. This unit should be installed in a cool dry place, away from sources of excessive heat, vibration, dust, moisture and cold. Do not use the unit near stoves, heat registers, radiators, or other heat producing devices.
13. Do not block fan intake or exhaust ports. Do not operate equipment on a surface or in an environment which may impede the normal flow of air around the unit, such as a bed, rug, carpet, or completely enclosed rack. If the unit is used in an extremely dusty or smoky environment, the unit should be periodically "blown free" of foreign dust and matter.
14. To reduce the risk of electric shock, do not remove the cover. There are no user serviceable parts inside. Refer all servicing to qualified service personnel. There are no user serviceable parts inside.
15. When moving the unit, disconnect input ports first, then remove the power cable; finally, disconnect the interconnecting cables to other devices.
16. Do not drive the inputs with a signal level greater than that required to drive equipment to full output.
17. The equipment power cord should be unplugged from the outlet when left unused for a long period of time.
18. Save the carton and packing material even if the equipment has arrived in good condition. Should you ever need to ship the unit, use only the original factory packing.
19. Service Information Equipment should be serviced by qualified service personnel when:
 - A. The power supply cord or the plug has been damaged.
 - B. Objects have fallen, or liquid has been spilled into the equipment.
 - C. The equipment has been exposed to rain
 - D. The equipment does not appear to operate normally, or exhibits a marked change in performance
 - E. The equipment has been dropped, or the enclosure damaged.

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▶ Dear Customer

Thank you for purchasing this product. For optimum performance and safety, please read these instructions carefully before connecting, operating or adjusting this product. Please keep this manual for future reference.

▶ INTRODUCTION

The ANI-QUAD is a high performance, high speed HDMI video processing system that can be easily configured and controlled for three different output modes (Matrix, Dual and Video Wall) for various applications. Matrix mode routes the source signals to output displays as a regular matrix does, Dual mode allows (2) sets of (2) selected sources to be shown on designate output displays (2 displays as a set) and Video Wall mode extends a selected source to all (4) output displays at one time. Supports full range of video resolutions up to WUXGA@60 (RB) or 1080p and different audio formats up to 7.1CH LPCM at 192 kHz sampling rate based on input source capability. The ANI-QUAD control can be done through IR using the included remote control, Telnet (Ethernet), RS-232 or from the front panel buttons, the included GUI software or built-in browser.

▶ PACKAGE CONTENTS

Before attempting to use this unit, please check the packaging and make sure the following items are contained in the shipping carton:

- ANI-QUAD
- Remote Control
- Software CD Driver
- 12V/3A DC Power Adaptor
- Users Manual

▶ SAFETY PRECAUTIONS

Please read all instructions before attempting to unpack, install or operate this equipment and before connecting the power supply. Please keep the following in mind as you unpack and install this equipment:

- Always follow basic safety precautions to reduce the risk of fire, electrical shock and injury to persons.
- To prevent fire or shock hazard, do not expose the unit to rain, moisture or install this product near water.
- Never spill liquid of any kind on or into this product.
- Never push an object of any kind into this product through any openings or empty slots in the unit, as you may damage parts inside the unit.
- Do not attach the power supply cabling to building surfaces.
- Use only the supplied power supply unit (PSU). Do not use the PSU if it is damaged.
- Do not allow anything to rest on the power cabling or allow any weight to be placed upon it or any person walk on it.
- To protect the unit from overheating, do not block any vents or openings in the unit housing that provide ventilation and allow for sufficient space for air to circulate around the unit.

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FEATURES & SPECIFICATIONS

FEATURES

- HDMI, HDCP1.1 and DVI compliant
- Deep color support 8/10/12 bit source
- Seamless switching. Most sources switch with zero delay, similar to a cuts only production switcher.
- Supports three different modes: Matrix mode/ Dual mode/ TV Wall mode
 - **Matrix mode:** Can route any (4) Input sources to any (4) Output displays in any combination (4x4).
 - **Dual mode:** Can display POP (Picture Of Picture) image combining any (2) sources to be presented side-by-side on the HDMI output ports (Dual A and Dual B). You can select any of the (4) inputs and change them live.
Note: Under output timing 1080i@50/60 input (4) will be disabled.
 - **Video Wall mode:** Can output any source to (4) displays (2 by 2 Video wall) as a full image with adjustable Bezel Correction for each display. Any Source input can be selected and change live.
Note: Under output timing 1080i@50/60 input (4) will be disabled.
- Supports OSD setup, front panel push buttons, wireless remote control, RS-232, IP (Telnet), provided GUI software (Ethernet or RS-232) or built-in web server.
- Input resolutions support VGA up to WUXGA and 480i up to 1080p
- Output resolutions support 480p up to 1080p
- Supports different input resolution and output resolution.
- Audio support for LPCM 2CH, 6CH, 8CH/AC3/DTS/Dolby Digital Plus/ Dolby TrueHD & DTS-HD

SPECIFICATIONS

Video Bandwidth: 225MHz/6.75Gbps

Input Port:

- 4x HDMI (Female type)
- 1x USB (Service only)

Output Port: 4x HDMI (Female type)

Power Supply: 12V/3A DC (US/EU standards, CE/FCC/UL certified)

ESD Protection:

Human body model:

- ± 8 kV (air-gap discharge)
- ± 4 kV (contact discharge)

Dimensions (WxDXH): 17.1 x 9.7 x 1.75 in (436x247x44mm)

Weight: 4.85 lb / 2.2Kg

Chassis Material: Aluminum

Silkscreen Color: Black

Operating Temperature: 0°C ~ 40°C / 32 °F ~ 104 °F

Storage Temperature: -20°C ~ 60°C / -4 °F ~ 140 °F

Relative Humidity: 20 ~ 90% RH (non-condensing)

Power Consumption: 15w

Note: Specifications are subject to change without notice.

SYSTEM REQUIREMENTS

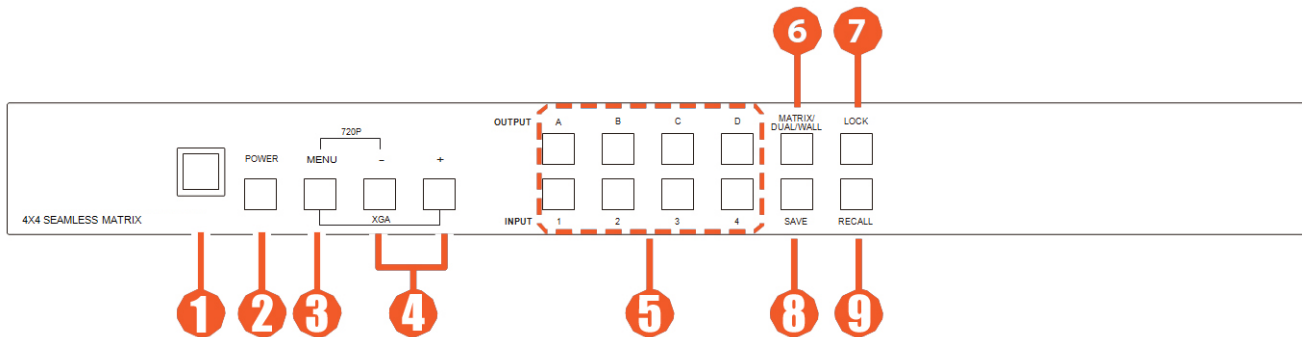
Input source equipment such as DVD/Blu-ray players or any video signal and PC/Notebook devices and output to HDTV displays/ projectors/etc.

APPLICATIONS

- Broadcasting
- Surveillance
- Public advertisement
- Digital Presentation
- Conference call or meeting room presentation

PANEL DESCRIPTIONS

FRONT PANEL



1 IR Window: IR receiver for signal from the device's remote control or external IR controller

2 Power

- **ON/OFF:** Press this button to power On the device or set it to standby mode.
- **Factory reset to default:** Press and hold Power button then connect power to reset the system to Factory default settings.

3 MENU:

- Press this button to bring up the OSD (On Screen Display) menu on screen.
- Press "MENU" with "-" button to switch output timing to 720p@60Hz instantly.
- Press "MENU" with "+" button to switch output timing to XGA (1024x768@60Hz) instantly.

4 +/- Buttons: Press these buttons to scroll down/up on the OSD selections then press "MENU" button to confirm.

5 CHANNEL INPUT 1~4 and CHANNEL OUTPUT A~D:

• **Matrix mode:**

- Press "Matrix/Dual/Wall" button repeatedly until the LED illuminates steady. You are now in Matrix mode.
- Press an output from A~D and then press corresponding input from 1~4. For example: press output A then press input 2, Will result in Output A will display input 2's image. Each output setting must be made individually.

• **Dual mode:** To combine 2 sources to be presented on each HDMI output ports (Dual A and Dual B).

- Press "Matrix/Dual/Wall" button repeatedly until the LED extinguishes. You are now in Dual mode.
- Press output A/B and then press corresponding input 1/2. For example: press output A then press input 1, output A will display input 1's image on the left side, then press output B and then press input 2, output A will display input 2's image on the right side. Both output A and B will have identical images.
- Dual A group are outputs A and B, Dual B group are outputs C and D. Each group will output the same image simultaneously.
- Press button A or B for 3 seconds, to switch Dual A channel's audio between output A or B.
- Press button C or D for 3 seconds, to switch Dual B channel's audio between output C or D.

• **Video Wall mode:**

- Press "Matrix/Dual/Wall" button repeatedly until the LED blinks constantly. You are now in Video Wall mode
- Press input 1~4 to select a source to 4 displays (2 x 2 Video wall). The audio will be on output A only.

6 MATRIX/DUAL/WALL: Press to switch between Matrix mode, Dual mode and Video Wall mode. The button LED will indicate which mode you are in. Matrix mode: LED illuminate constantly.

- **Dual mode:** LED will extinguish.
- **Video Wall mode:** LED will blink constantly.

7 LOCK: Press once to lock the keypad and remote control, press and hold for 3 seconds to release the lock function.

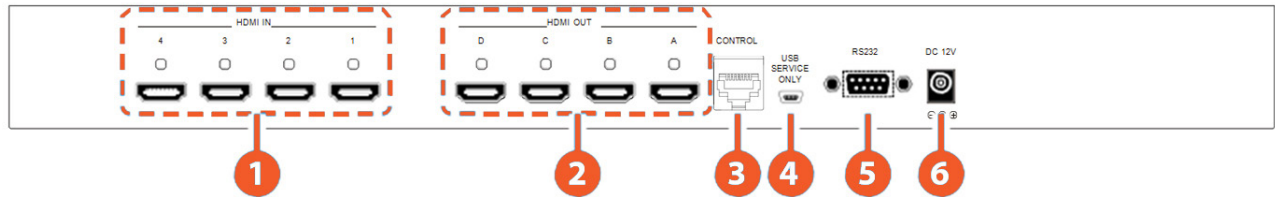
8 SAVE: To save an Input and Output configuration to recall later:

- Press "Matrix/Dual/Wall" button to select mode status.
- Press each output channel A~D and the corresponding input channel 1~4.
- Press "SAVE", the input 1~4 LEDs will all illuminate at the same time. Press input 1,2,3 or 4 to save to the system memory location.
- For example: Select Matrix mode, press output A then press input 4, then press "SAVE". This will save the corresponding setup for later recall using the front panel or the remote control FAV.1 thru FAV.4 buttons.

9 RECALL: Press "RECALL" and the input channel 1~4 LED will illuminate at the same time. Select input channel 1,2,3 or 4 to recall the customized screen setting. Or using the remote control FAV.1~FAV.4 buttons.

PANEL DESCRIPTIONS

REAR PANEL

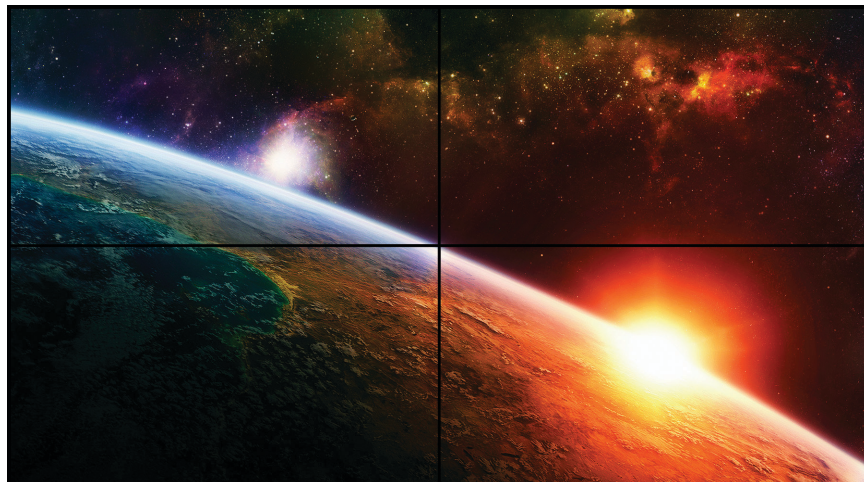


- ❶ **HDMI IN 1~4:** Connect HDMI source signal such as STP, DVD player, Blue-ray player, or PC.
- ❷ **HDMI OUT 1~4:** Connect HDMI destination device such as a Monitor, Recorder, or distribution system.
- ❸ **Ethernet:** Connect to an active Ethernet network for telnet control (refer to section “RS-232 / telnet Commands”)
- ❹ **USB SERVICE ONLY:** This slot is reserved for factory use and firmware updates.
- ❺ **RS-232:** Used for remote control of the ANI-QUAD using RS-232 commands via a PC or other external controller.
- ❻ **DC 12V:** Plug the 12V DC power supply into the unit and connect the adaptor to an AC outlet.

OUTPUT MODES

OUTPUT MODES

VIDEO WALL MODE



MATRIX MODE



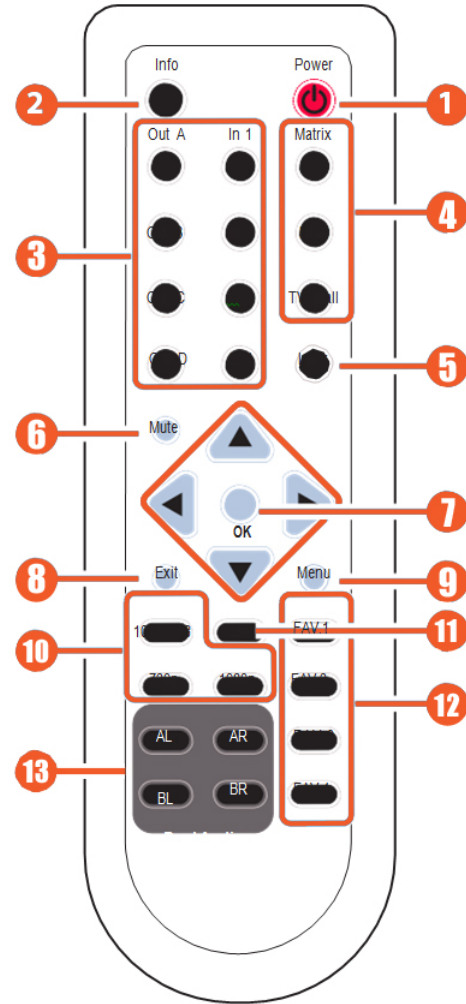
DUAL MODE



REMOTE CONTROL

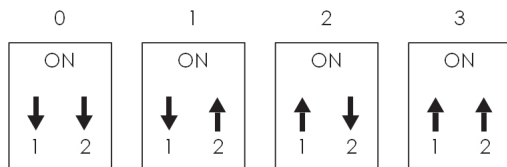
REMOTE CONTROL

- 1 **Power:** Press this button to switch On the device or press it again to set it to standby mode.
- 2 **Info:** Press this button to show the device's firmware version.
- 3 **Out A~D and In 1~4:** Press out-put A~D and then press input 1~4 to select display input.
For example: press Out A then press In 1, output A will display input 1's image.
- 4 **MATRIX/DUAL/WALL:** Press to switch between Matrix mode, Dual mode and Video Wall mode.
- 5 **Lock:** Press once to lock the keypad and remote control. Press and hold for 3 seconds to release the lock function.
- 6 **Mute:** Press this button to mute the audio from HDMI output port.
- 7 **▲/▼/◀/▶/OK:** Press these buttons to scroll through the OSD selection and press OK to enter and confirm the setting.
- 8 **Exit:** Press this button to exit the OSD menu or the OSD settings.
- 9 **Menu:** Press this button to enter into the OSD menu.
- 10 **1024x768/720p/1080p:** Press these hot keys to switch between each resolution.
- 11 **AL/AR/BL/BR:** When in Dual mode, press these hot keys to switch the audio channel in Left or Right side for Dual A and Dual B group.
- 12 **SAVE:** To save the customized input and output settings.
 - Press "Matrix/Dual/Wall" button to select mode status.
 - Press each output channel A~D and then press corresponding input channel 1~4.
 - Press "SAVE", then input 1~4's LED will illuminate at the same time, then press remote control FAV.1~FAV.4 to save to the system memory.
- 13 **FAV.1~FAV.4:** Press favorite hot keys 1~4 to bring up the customized settings you previously stored.



REMOTE CONTROL DIP SWITCH

Open Remote control back cover to adjust dip-switch ON/OFF to match IR address setting in the OSD menu. Factory default is "0".



RS-232 PROTOCOLS

ANI-QUAD		Remote Controller(PC)	
PIN	Assignment	PIN	Definition
1	NC	1	NC
2	TxD	2	RxD
3	RxD	3	TxD
4	NC	4	NC
5	GND	5	GND
6	NC	6	NC
7	NC	7	NC
8	NC	8	NC
9	NC	9	NC

Baud Rate: 115200bps Data Bit: 8 bits
Parity: None

Flow Control: None
Stop Bit: 1

RS-232 & TELNET COMMANDS

RS-232 & TELNET COMMANDS

All commands require a carriage return (0x0D). Commands are case-sensitive.

Command	Action	ANI-QUAD Returns
AUA001	Dual A Audio channel in Left side	AUA001
AUA002	Dual A Audio channel in Right side	AUA002
AUA999	Check Dual A audio channel status	AUA???
AUB001	Dual B Audio channel in Left side	AUB001
AUB002	Dual B Audio channel in Right side	AUB002
AUB999	Check Dual B audio channel status	AUB???
AUD000	Audio output Off	AUD000
AUD001	Audio output On	AUD001
AUD999	Check audio on/off status	AUD???
AUE000	Audio EDID is LPCM 2CH	AUE000
AUE001	Audio EDID is LPCM 6CH	AUE001
AUE002	Audio EDID is LPCM 8CH	AUE002
AUE003	Audio EDID is BITSTREAM	AUE003
AUE004	Audio EDID is HD	AUE004
AUE999	Check audio EDID setting	AUE???
BEZ000	Bezel Correction OFF	BEZ000
BEZ001	Bezel Correction ON	BEZ001
BEZ999	Check bezel correction on/off status	BEZ???
BEH???	Horizontal (H) Bezel correction???=000 ~ Maximum	BEH???
BEH998	Check the current Horizontal(H) Bezel correction Maximum value	BEH???
BEH999	Check the current Horizontal(H) Bezel correction setting value	BEH???
BEV???	Vertical (V) Bezel correction???=000 ~ Maximum	BEV???
BEV998	Check the current Vertical(V) Bezel correction Maximum value	BEV???
BEV999	Check the current Vertical(V) Bezel correction setting value	BEV???
BRI???	Setting Brightness ???=000~100 for matrix mode ???=(000~100)+200*(OUT No.-1) for dual/Video Wall mode For example: OUT B set the Brightness value to 57 =(57)+200*(2-1) = 257	No response
BRI99?	Check current Brightness value 99?=999 for matrix mode 99?=991~994=OUT1~4 for dual/Video Wall mode	BRI???
CAL???	RECALL FAV. ???=001~004=FAV.1~4	CAL???
CON???	Setting Contrast	No response
CON999	Command setting same as Brightness(BRI)	CON???
EGW999	RS-232 only, check current Ethernet Gateway Address	aaa.bbb.ccc.ddd
EIP999	RS-232 only, check current Ethernet IP Address	aaa.bbb.ccc.ddd
EMK999	RS-232 only, check current Ethernet Subnet Mask Address	aaa.bbb.ccc.ddd
HUE???	Setting HUE	No response
HUE999	Command setting same as Brightness (BRI)	HUE???
INP???	INPUT selection???=001~004=IN 1~4	INP???
	Execute OUT???	

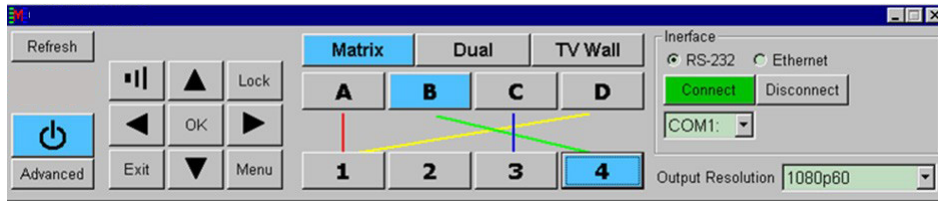
RS-232 & TELNET COMMANDS

RS-232 & TELNET COMMANDS

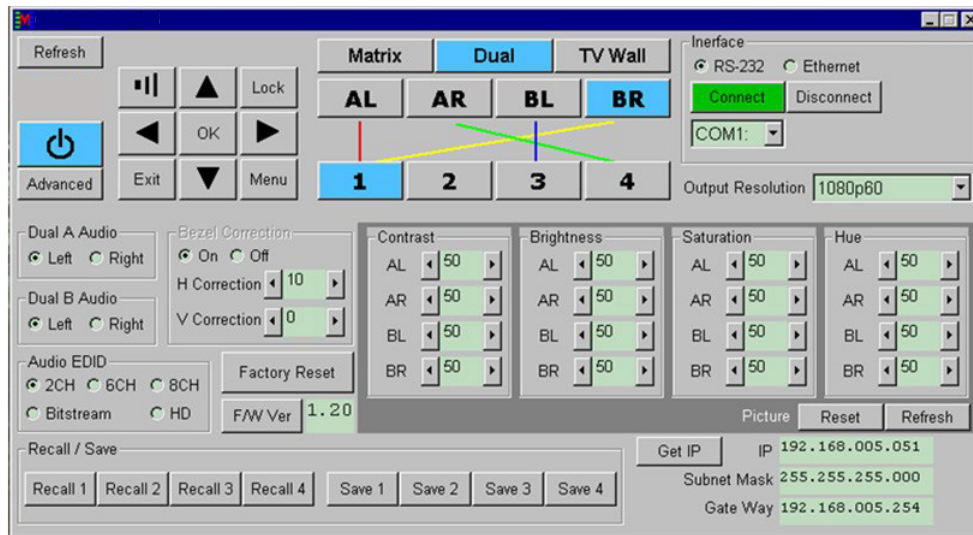
Command	Action	ANI-QUAD Returns
INP999	Check current INPUT	INP???
LCK000	Un-lock	LCK000
LCK001	Lock	LCK001
LCK999	Check current Lock/un-lock status	LCK???
MNE001	OSD Menu EXIT	No response
MND001	OSD Menu DOWN	No response
MNL001	OSD Menu LEFT (-)	No response
MNO001	OSD Menu OK	No response
MNR001	OSD Menu RIGHT (+)	No response
MNU001	OSD Menu UP	No response
MNX001	OSD Menu	No response
MOD001	Matrix mode	MOD001
MOD002	Dual mode	MOD002
MOD003	Video Wall mode	MOD003
MOD999	Check current output mode status	MOD???
OUT???	OUTPUT selection???=001~004=OUT A~D	OUT???
OUT999	Check current OUTPUT	OUT???
PWR000	Power Off(Standby)	PWR000
PWR001	Power On	PWR001
PWR999	Check current power status	PWR???
RES???	Output resolution???=001~ ...corresponding OSD menu list	RES???
RES999	Check current output resolution	RES???
RST001	Factory Reset	RST001
RST002	Picture Reset	RST002
SAT???	Setting Saturation	No response
SAT999	Command setting same as Brightness (BRI)	SAT???
SAV???	SAVE FAV. ???=001~004=FAV.1~4	SAV???
VER999	Check firmware version	VER??? Example: VER110=V1.1

GUI INTERFACE

SIMPLE CONTROL PANEL



FULL FUNCTION CONTROL PANEL



This is a Zip file (compressed). This is the actual software used to control the ANI-QUAD.

CLICK THE LINK TO FROM OUR WEBSITE TO DOWNLOAD ANI-QUAD GUI INSTALLATION FILES or use this link

http://www.a-neuvideo.com/shop/download/ANI-QUAD_RS232_Ethernet_AP_v16C.ZIP

After downloading the contents to your computer, extract the files.

Then select **setup.exe** to begin the installation.

OSD MENU

OSD OPERATION

Main Menu	Sub Menu	Adjustments	Default
PICTURE (*1)	ALL	CONTRAST	0 ~ 100
		BRIGHTNESS	0 ~ 100
		SATURATION	0 ~ 100
		HUE	0 ~ 100
	DUAL	DUAL AL	0 ~ 100
		DUAL AR	
		DUAL BL	
		DUAL BR	
	TV WALL	OUT A	
		OUT B	
		OUT C	
		OUT D	
	D/T	RESET	
	ALL	RESET ALL	
		EXIT	
OUTPUT RESOLUTION		480p, 576p, 720p50, 720p60, 1080i50 (*2), 1080i60, 1080p24, 1080p50, 1080p60, 1024x768, 1280x800, 1280x1024, 1366x768, 1440x900, 1600x900, 1600x1200, 1680x1050, 1920x1200	720p60
		EXIT	
AUDIO EDID (*3)		LPCM 2CH, LPCM 6CH, LPCM 8CH, BIT-STREAM, HD	LPCM 2CH
		EXIT	
OSD SETTINGS		POSITION	LEFT T, RIGHT T, LEFT B, RIGHT B
		H OFFSET	0 ~ 20
		V OFFSET	0 ~ 20
		TRANSPARENCY	0 ~ 9
		MENU TIMEOUT	5 ~ 50, OFF(*4)
		INFO.TIMEOUT	5 ~ 50, OFF
		INFO.DISPLAY	ON, OFF
		BRIEF INFO	ON, OFF
		EXIT	
HDCP		INPUT(*5)	ACCEPT, NOT ACCEPT
		OUTPUT(*6)	FOLLOW INPUT, ALWAYS ON
		EXIT	

OSD MENU

OSD OPERATION

Main Menu	Sub Menu	Adjustments	Default
BEZEL CORRECTION (*7)	CORRECTION	ON, OFF	OFF
	H CORRECTION	0 ~ by output resolution	0
	V CORRECTION	0 ~ by output resolution	0
	EXIT		
RECALL / SAVE (*8)	RECALL	CANCEL, FAV.1~ 4	CANCEL
	SAVE	CANCEL, FAV.1~ 4	CANCEL
	EXIT		
ETHERNET	IP MODE	DHCP, STATIC	DHCP
	STATIC SET	IP, MASK, GATE	IP
	BYTE1		192
	BYTE2		168
	BYTE3		5
	BYTE4		155
	RE-LINK(*9)		
	TIMEOUT (Min.)(*10)	5~60, OFF	10
	EXIT		
OTHERS	IR ADDRESS(*11)	0 ~ 3	0
	EXIT		
FACTORY DEFAULT EXIT	YES, NO		NO
	EXIT		
INFORMATION (*12)	IN/OUT RESOLUTION, SOURCE HDCP/AUDIO, OUT MODE, FIRMWARE VER		
	EXIT		
EXIT			

Note:

***1 Picture:** In Matrix mode, four pictures adjust simultaneously. In Dual/Video Wall mode, each picture can adjust individually and support individual last memory feature.

***2 Output:** In Video Wall mode and Dual Mode, Output resolution 1080i@50Hz and 1080i@60Hz are not supported.

***3 AUDIO EDID:** Embedded input audio EDID contents, LPCM 2CH = LPCM 2CH LPCM 6CH = LPCM 2CH/ 6CH LPCM 8CH = LPCM 2CH/ 6CH/ 8CH BITSTREAM = LPCM 2CH, AC3, DTS HD = LPCM 2CH/ 6CH/ 8CH, AC3, DTS, Dolby Digital Plus, DTS-HD

***4 TIMEOUT:** OFF means MENU and INFO will show continuously on the screen

***5 HDCP INPUT:** ACCEPT: Support HDCP source, this is default setting. NOT ACCEPT: Not support HDCP source.

For example: Apply source.

***6 HDCP OUTPUT:** FOLLOW INPUT: If source with HDCP the output will support HDCP. If input source without HDCP the output will not support HDCP. When in Dual mode, one of each side (Left or Right) support HDCP, the output will support HDCP. ALWAYS ON: All the displays need to support HDCP, to avoid switching source from non-HDCP to HDCP, or flashing image or no image.

***7 BEZEL CORRECTION:** Only supported in Video Wall mode, after adjustment the system will support last memory function.

***8 SAVE/RECALL:** To SAVE/RECALL input/output setting, the system support last memory function to save all settings.

***9 Ethernet RE-LINK:** After the setup, need to RE-LINK the system and re-connect the system again.

***10 Ethernet TIMEOUT:** Select OFF to end the time out function or when telnet is under idle without sending commands within the time out setting the telnet system will be terminated.

***11 IR ADDRESS:** This setting is to match the IR remote control dip switch. Refer to section x.x for remote control settings.

***12 INFORMATION:** To show Input/Output/Audio/Mode/Firmware information.

TIMING

INPUT TIMING

Support Timing
480i@59
480p@60
576i@50
576p@50
720p@25,30,50,60,
1080i@50,60
1080p@24,25,30,50,60
640x480@60,72,75,85
720x400@70
800x600@56,60,72,75,85
1024x768@60,70,75,85
1152x864@70,75
1280x720@60cvt
1280x768@60RB,60,75
1280x800@60RB,60,75
1280x1024@60,60cvt,75
1360x768@60
1366x768@60RB,60
1400x1050@60RB,60
1440x900@60RB,60,75
1600x900@60RB
1600x1200@60
1680x1050@60RB,60
1920x1200@60RB

OUTPUT TIMING

Support Timing	
480p60	1024x768@60
576p50	1280x800@60
720p50	1280x1024@60
720p60	1366x768@60
1080i50 (Matrix Mode Only)*	1440x900@60
1080i60 (Matrix Mode Only)*	1600x900@60RB
1080p24	1600x1200@60
1080p50	1680x1050@60
1080p60	1920x1200@60RB

***Note: Output:** In Video Wall mode and Dual Mode, Output resolution 1080i@50Hz and 1080i@60Hz are not supported.

WEB GUI

GUI SCREEN SHOTS

Note: Device power Status must set to ON and Source status must be unlock in order to set the setting accordingly.

Picture

Output Resolution

Audio

OSD Settings

HDCP

BEZEL Correction

Ethernet

Information-In

IN1 : No Signal
IN2 : No Signal
IN3 : No Signal
IN4 : No Signal

Information-Out

OUT : 1080p50
Out Mode : Matrix Mode

Status

Power : ON OFF

Output A From Input : 1
Output B From Input : 4
Output C From Input : 1
Output D From Input : 1

Source

Out Mode : Matrix

Output : D From Input : 1

Lock Unlock

IR/Recall/Save/Factory

IR Address : 0

Recall : Cancel

Save : Cancel

Factory Default

Contrast

Out : 50

Saturation

Out : 50

Brightness

Out : 50

Hue

Out : 50

Reset All

Click, drag, select or key-in on each selection setting to make the changes immediately.

Picture

Output Resolution

Audio

OSD Settings

HDCP

BEZEL Correction

Ethernet

Information-In

IN1 : No Signal
IN2 : No Signal
IN3 : No Signal
IN4 : No Signal

Information-Out

OUT : 1080p50
Out Mode : Matrix Mode

Status

Power : ON OFF

Output A From Input : 1
Output B From Input : 4
Output C From Input : 1
Output D From Input : 1

Source

Out Mode : Matrix

Output : D From Input : 1

Lock Unlock

IR/Recall/Save/Factory

IR Address : 0

Recall : Cancel

Save : Cancel

Factory Default

Output Resolution

Output Resolution : 1080p50

Picture

Output Resolution

Audio

OSD Settings

HDCP

BEZEL Correction

Ethernet

Information-In

IN1 : No Signal
IN2 : No Signal
IN3 : No Signal
IN4 : No Signal

Information-Out

OUT : 1080p50
Out Mode : Matrix Mode

Status

Power : ON OFF

Output A From Input : 1
Output B From Input : 4
Output C From Input : 1
Output D From Input : 1

Source

Out Mode : Matrix

Output : D From Input : 1

Lock Unlock

IR/Recall/Save/Factory

IR Address : 0

Recall : Cancel

Save : Cancel

Factory Default

Audio

Mute : ON OFF

Dual A : Left Right

Dual B : Left Right

Audio Edid : LPCM 2CH

WEB GUI

GUI SCREEN SHOTS

The screenshot shows the 'OSD Settings' menu. On the left is a sidebar with navigation options: Picture, Output Resolution, Audio, OSD Settings (selected), HDCP, BEZEL Correction, and Ethernet. The main area contains several panels: 'Information-In' (IN1-4: No Signal), 'Information-Out' (OUT: 1080p50, Out Mode: Matrix Mode), 'Status' (Power: ON/OFF, Output A-D From Input: 1/4/1/1), 'Source' (Out Mode: Matrix, Output: D, From Input: 1), and 'IR/Recall/Save/Factory' (IR Address: 0, Recall: Cancel, Save: Cancel, Factory Default). The 'OSD Settings' panel is open, showing Position: Left T, H Offset: 10, V Offset: 10, Transparency: 4, Menu Timeout: 8, Info. Timeout: 8, Info. Display: ON/OFF, and Buref Info.: ON/OFF.

The screenshot shows the 'HDCP' menu. The sidebar is the same as the first screenshot. The main area shows the same top panels. The 'HDCP' panel is open, displaying Input: Accept/Not Accept and Output: Follow Input/Always ON.

The screenshot shows the 'BEZEL Correction' menu. The sidebar is the same as the first screenshot. The main area shows the same top panels. The 'BEZEL Correction' panel is open, displaying Correction: ON/OFF, H Correction: 0, and V Correction: 0.

WEB GUI

GUI SCREEN SHOTS

Click on the Ethernet page for IP configuration setting. Both the device (from the OSD setting menu) and the web address entry bar will need to be reset once any change is made on this page.

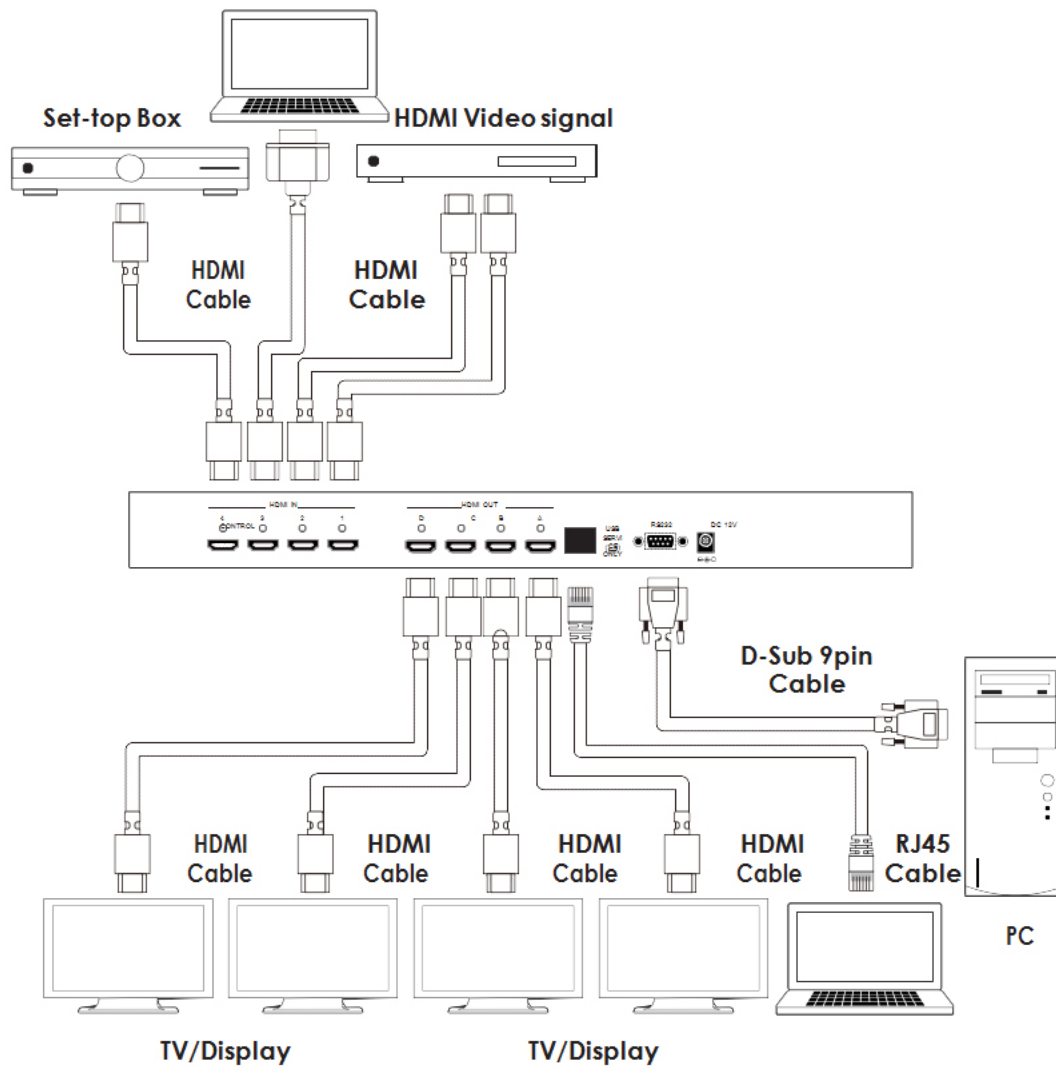
The screenshot displays the WEB GUI interface. On the left is a vertical sidebar menu with the following items: Picture, Output Resolution, Audio, OSD Settings, HDCP, BEZEL Correction, and Ethernet. The main content area is divided into several sections at the top: Information-In, Information-Out, Status, Source, and IR/Recall/Save/Factory. Below these is a large central panel titled 'Ethernet' which contains the following configuration options:

- ☒ DHCP
- IP Address : 192.168.1.113
- Netmask : 255.255.255.0
- Gateway : 192.168.1.1
- Telnet Timeout : 10

A 'Save Changes' button is located to the right of the IP Address and Netmask fields. The top navigation bar also includes buttons for 'Lock' and 'Unlock'.

CONNECTION DIAGRAM

CONNECTION DIAGRAM



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