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LINDY 38390 Seamless Multi View Matrix with Video Wall Scaling

Introduction Thank you for purchasing the 4×4 HDMI® 4 K60 Multi-View Matrix with Video Wall Scaling. This product has been designed to provide trouble-free, reliable operation. It benefits from both a LINDY 2-year warranty and free lifetime technical support. To ensure correct use, please read this manual carefully and retain it for future reference. The Lindy 4×4 HDMI® 4 K60 Matrix supports HDMI® 2.0 18G signals,

allowing for the transmission of clear 4K Ultra HD 60Hz resolutions. Perfect for digital signage displays in retail, creating informational multi-display setups in education, or distributing content in commercial installations such as cinemas. Safety Instructions

WARNING

Please read the following safety information carefully and always keep this document with the product. Failure to follow these precautions can result in serious injuries or death from electric shock, fire or damage to the product. Touching the internal components or a damaged cable may cause an electric shock, which may result in death. This device is a switching-type power supply and can work with supply voltages in the range 100 – 240 VAC. For worldwide usabilit,y four different AC adapters are enclosed: Euro type, UK type, US/Japan type, and Australia/New Zealand type. Use the appropriate AC adapter as shown in the picture and ensure it is firmly secured in place and does not detach by pulling before installing it into a power socket.

To reduce the risk of fire, electric shocks or damage:

- Do not open the product nor its power supply. There are no user-serviceable parts inside.
- Only qualified servicing personnel may carry out any repairs or maintenance.
- Never use damaged cables.
- Do not expose the product to water or places of moisture.
- Do not use this product outdoors; it is intended for indoor use only.
- Do not place the product near direct heat sources. Always place it in a well-ventilated place.
- Do not place heavy items on the product or the cables.
- Please ensure any adapters are firmly secured and locked in place before inserting them into a wall socket

Safety and Health Information: LINDY products are designed for safe, effective use. Please review this guide for essential safety, health information, and details on the Limited Warranty for your product. Following these setup, usage, and care instructions enhances comfort, productivity, and safety. Failure to adhere to these guidelines may result in electric shock, fire, serious injury, or damage to the product or property.

Additional support is available at lindy.com.

Warning: Keep out of reach of children. LINDY products and accessories are not toys and should not be handled by young children, as they may cause injury or damage

Suffocation Hazard: For products containing or supplied in plastic bags, keep bags away from babies and children to prevent suffocation.

Power Supply Safety: Applies to products using an AC power supply. Use only the original or compatible AC power supply specified for your product. Failure to follow this guidance may result in electric shock, fire, serious injury, or product damage.

Proper Usage: Keep the device away from moisture, including rain, snow, or water, and avoid placing it near heat sources, food, excessive dirt, dust, oil, chemicals, or direct sunlight. For devices with ports, avoid inserting objects, allowing dust to accumulate, or using heat sources like hair dryers or microwaves to dry it. If the device becomes wet, gently wipe the exterior with a dry cloth.

High-Risk Use: This product is not intended for applications where failure could lead to death, serious injury, or significant environmental harm (“high-risk use”). Use in such applications is solely at your own risk.

Explosive Atmospheres: Do not store or transport flammable or explosive materials alongside this product or its accessories. Always unplug and power off the product, and avoid charging in areas with potentially explosive atmospheres.

Cable Connectors and Ports: To prevent shock or fire when using connectors with a power supply, avoid contact during use. Keep connectors free from moisture, dirt, and contaminants. Discontinue use and contact support if any connector appears damaged.

Cleaning: To minimize risks of fire, electric shock, or product damage, unplug all cables and power off the device and accessories before cleaning. Use a dry cloth to clean the exterior only. Avoid inserting objects into ports, and do not immerse connectors in liquids; instead, wipe and dry them thoroughly.

Risk in Repairs: Attempting to open or repair this product may expose you to risks of electric shock, fire, or injury. LINDY strongly recommends using professional repair services, as unauthorized repairs may void your warranty.

CAUTION

Skin Irritation: This product contains materials commonly used in electronics that may cause skin irritation for some users. To reduce this risk, clean your device regularly,

avoid applying lotions near contact areas, and discontinue use if irritation occurs. Consult your health care provider if symptoms persist.
Cable Safety: Exposed cables can pose a tripping hazard. Arrange cables to prevent tripping or pulling risks and protect them from crushing, sharp bends, and heat exposure. Regularly inspect cables and discontinue use if damaged. Unplug cables during lightning storms or for long-term storage.

NOTICE

- Heat-Related Concerns: The product may become warm during regular use. Avoid prolonged skin contact, ensure adequate ventilation, and use in well-circulated areas to prevent overheating and discomfort.
- Personal Medical Devices: Electronic emissions and magnetic fields from LINDY products may unintentionally interfere with medical devices, despite regulatory compliance. If you suspect interference, turn off the product immediately. For guidance on using electronic devices nearby, consult the manufacturer of your medical device or your healthcare provider.
- Handling: Handle your LINDY product with care. The product may be damaged if dropped, punctured, or exposed to liquid. If damage is suspected, stop using the product to prevent potential hazards.

Instructions for Use of Power Supply

Connect your country-specific mains cable to the power supply and connect it to the Matrix.

Package Contents

- 4×4 HDMI® 4K60 Multi-View Matrix with Video Wall Scaling
- 12VDC 3A Multi-country Power Supply (UK, EU, US & AUS Adapters), Barrel Size: 5.5/2.1mm Screw Type Jack
- IR Remote with CR2025 Battery
- Mounting Brackets
- Lindy Manual

Features

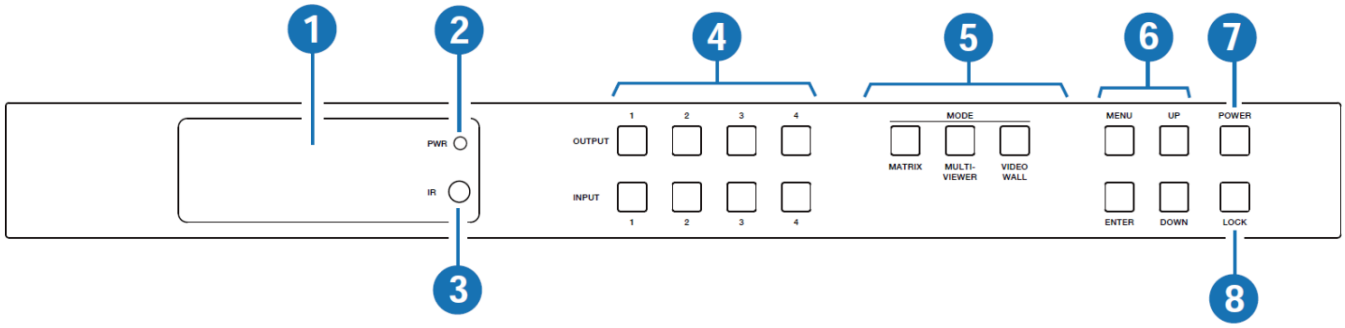
- Supports resolutions up to 3840×2160@60Hz 4:4:4 8bit
- HDMI® Audio pass-through up to 7.1CH, audio extraction up to 5.1CH
- 16 different multi-view layouts and 9 different video wall presets
- ARC, CEC and smart EDID management
- Rack mountable
- EDID Management
- Push Button, IR, Web GUI, IP, Serial Control
- LCD Display

Specification

- Input: 4 x HDMI® (Female), Output: 4 x HDMI® (Female), 4 x 3.5mm (Female), 4 x Coax (Female), Control: RS-232 (Female), RJ45 (Female)
- Supported Audio Formats (Pass-through): LPCM 2/5.1/7.1, Dolby Digital, DTS 5.1, Dolby Digital+, Dolby TrueHD, DTS-HD Master Audio, Dolby Atmos, DTS:X
- Coax Audio Formats: LPCM 2.0, Dolby Digital / Plus, DTS 5.1
- 3.5mm Audio Formats: PCM 2.0
- HDCP 2.2 support
- Black, metal housing
- Operating Temperature: 0°C – 40°C (32°F – 104°F)
- Storage Temperature: -20°C – 60°C (-4°F – 140°F)
- Humidity: 20 – 90% RH (non-condensing)
- Power Consumption: 25W
- ESD Protection: Human-body Model: ±8kV (Air-gap discharge), ±4kV (Contact discharge)

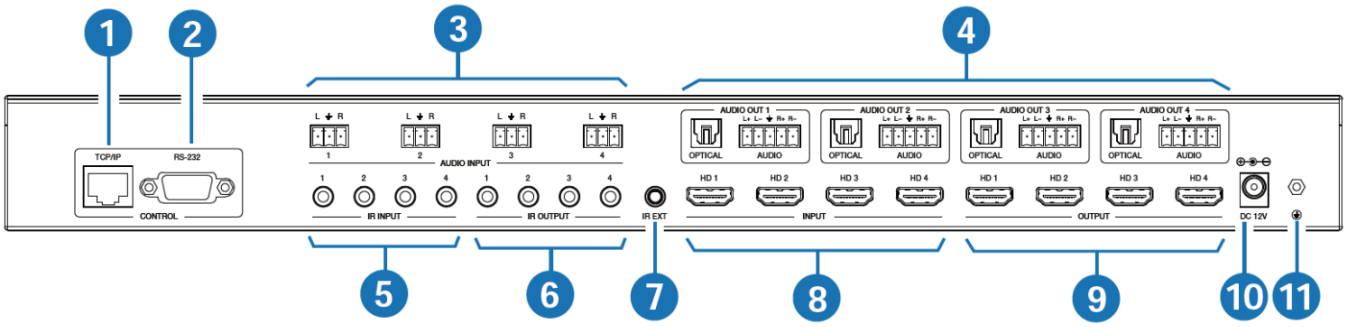
Installation

Front Panel



1. LCD Screen – Displays the input and output status of the matrix. Also displays the EDID management and the matrix's IP address when required.
2. Power LED – The LED will be illuminated green when the matrix is powered on. The LED will be illuminated red when the matrix is in standby.
3. IR Window – Receives the IR signal from the included IR remote for control over the entire installation.
4. Input / Output Buttons – First press an output button followed by an input button to relay the input to the chosen output.
5. Mode Buttons – Press the corresponding button of mode you want to use.
6. Menu / Enter / Up / Down Buttons – Switch between different information like EDID, IP Address, Baud rate or current matrix setup.
7. Power Button – Press and hold this button to power on/off the matrix.
8. Lock Button – Press this button to lock/unlock the front panel buttons.

Rear Panel



1. TCP/IP Port – Connect to a network or network switch using a Cat.X cable.
2. RS-232 Port – Connect to a PC or control system using an RS-232 cable.
3. L/R Out (1-4) – Extract HDMI® output audio to separate amplifiers or speakers.
4. Coax Out (1-4) – Extract HDMI® output audio to separate amplifiers or speakers with coaxial cable
5. IR Input (1-4) – Connect to IR receiver cable.

6. IR Output (1-4) – Connect to IR emitter cable.
7. IR Ext – Can be connected to IR receiver cable, if the IR receiver window is out of sight.
8. Input Ports – Connect to an HDMI® source device using a high-quality HDMI® cable.
9. Output Ports – Connect to an HDMI® display, splitter or extender using a high quality HDMI® cable.
10. DC 12V – Connect to the included 12VDC 3A PSU and screw to secure. Plug into an AC wall outlet to power the matrix.
11. GND – Connect the GND to the ground reference point.

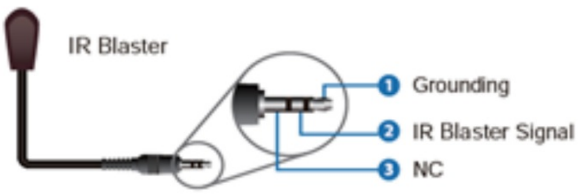
Operation

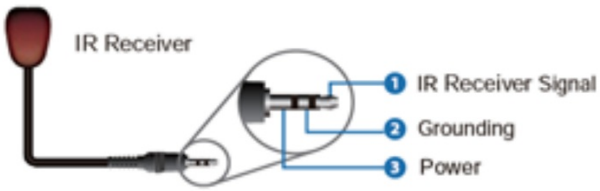
IR Remote

The output must be selected first, then the input port to display the set layout. Power Button – Press this button to power on/off the matrix. Info Button – Displays the serial baud rate and IP address. Input 1/2/3/4 – Select the input button for the corresponding source. ◄ ► – Select the next or last input source. Output 1/2/3/4 – Select the output button for the corresponding display. ALL – Selects all outputs simultaneously. Example: When you press the ALL button followed by Input 1, the source signal from input 1 will be output to all displays. Video Mode – Select the desired video mode.

IR Matrix

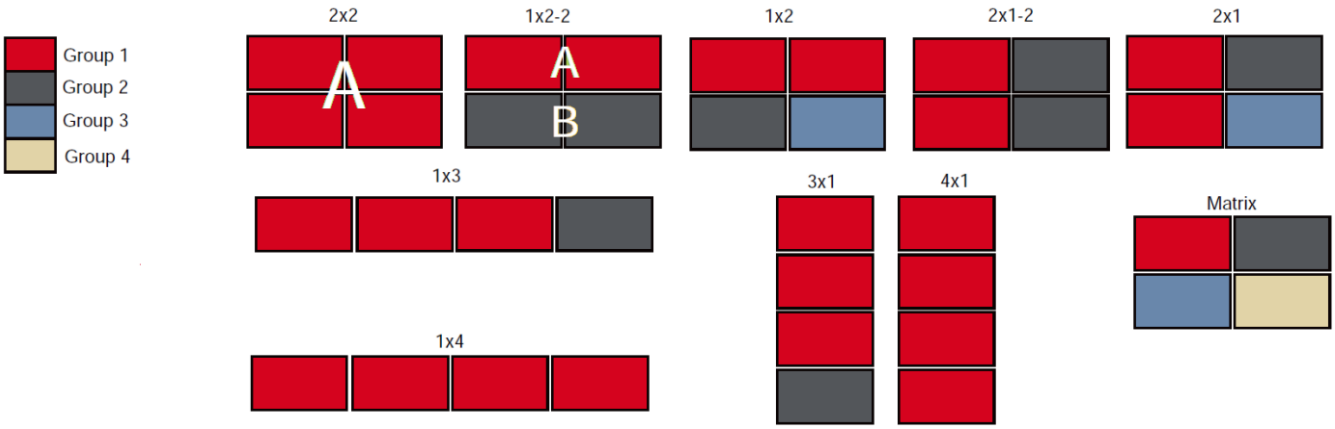
This product supports one-way IR control. When the matrix is connected with a IR receiver cable and a IR emitter cable, you can control the corresponding input source through IR signal transmission remotely. Please note that individual IR cables are not included with this unit. 3.5mm IR cables with the following pin out can be used:





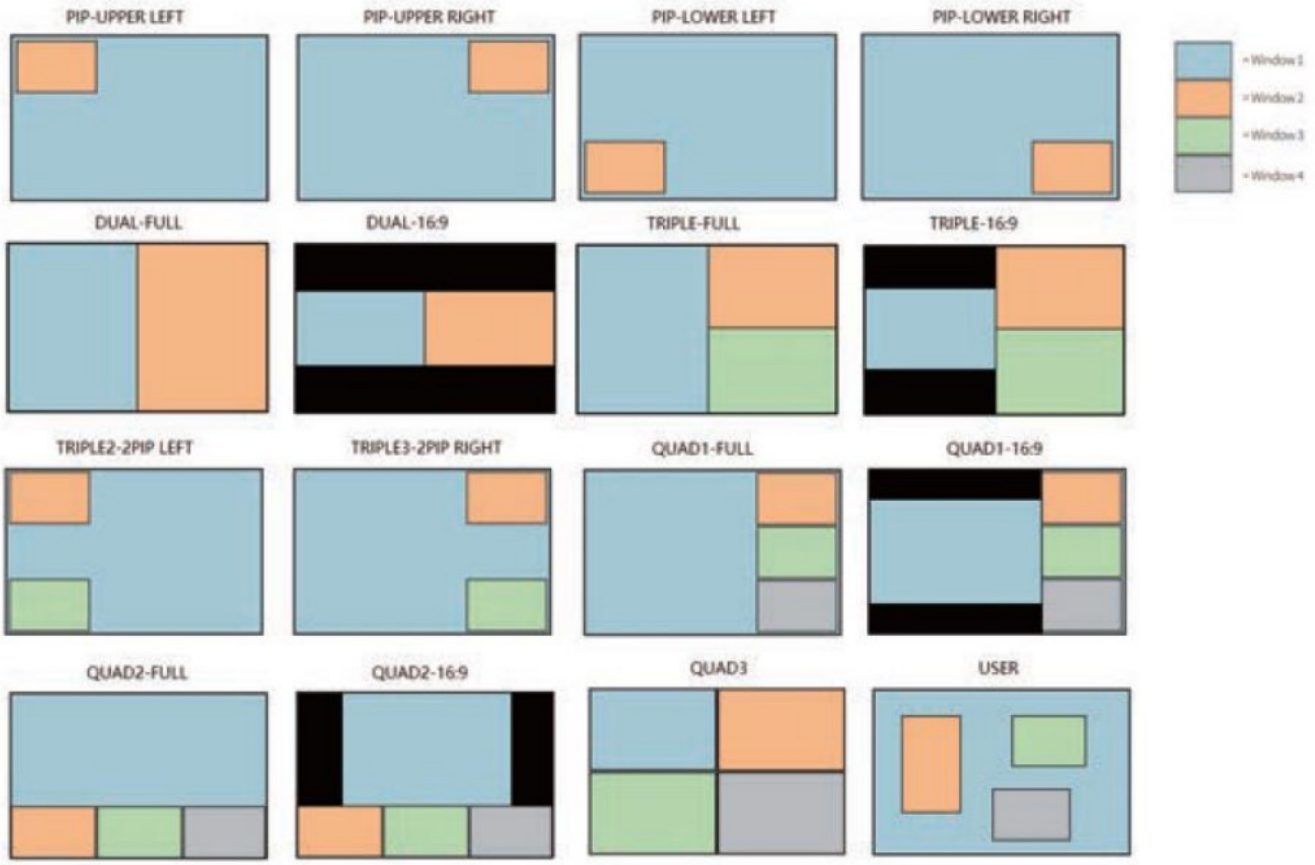
Video Wall

The Matrix supports 9 different video wall layouts as shown below:



Multi-View

The Matrix supports 16 different multi-view layouts as shown below:



Web-GUI

This matrix can be easily controlled via Web-GUI software. Please ensure the IP address of the matrix is noted. This can be found using the push buttons on the front panel. please refer to the Front Panel description above for this. The static IP address is 192.168.0.100. The Matrix can be connected to a PC with a standard Cat.X cable. The factory default is set to static IP, so the Web-GUI can be opened by entering the IP

address into any browser. Make sure to set the control PC to the same IP range as the Matrix. You can turn on DHCP alternatively.

The default logins are:

Username: User, Password: user.
Username: Admin, Password: admin

Please consider changing the standard password for access to the Web-GUI as it is a crucial security measure. The default password is publicly known and can be easily exploited by attackers, making them a significant vulnerability in any system. Therefore, it is recommended to replace it with a strong, unique one on the network page to enhance security. After the login the Status Page will appear. On the left side you can switch between the different functions.

Status Page:

It provides basic network and general information, like the installed firmware version or the MAC address.

Input Page:

Here you can see which inputs are currently active, rename them and set up the EDID from the table below:

EDID Mode	EDID Description
1	4K@60Hz, 2.0CH
2	4K@60Hz, 5.1CH
3	4K@60Hz, 7.1CH
4	4K@30Hz, 2.0CH
5	4K@30Hz, 5.1CH

6	4K@30Hz, 7.1CH
7	1080P, 2.0CH
8	1080P, 5.1CH
9	1080P, 7.1CH
10	WUXGA, 2.0CH
11	768P, 2.0CH
12	XGA, 2.0CH
13	USER1
14	USER2
15	COPY OUT1
16	COPY OUT2
17	COPY OUT3
18	COPY OUT4

Output Page:

Here you can see which output are currently active, rename them, turn on the downscaler to downscale video from 4K to 1080p resolutions, turn on/off the ARC function as well turning on/off the output individually.

CEC Page:

This page emulates a remote control to send CEC inputs like volume or power control directly to each individual input or output.

Video Page:

Here you can select and switch the input for each individual output. It also allows the storage of up to 8 different pre-sets. Here you can also select between the different video wall and multi-view layouts.

Audio Page:

Here you can switch between the multiple audio outputs of the matrix as well as embed audio from external sources.

Network Page:

Here you can switch the IP settings between static and DHCP as well as the Telnet Port. It also allows the change of passwords and the reset of the network settings.

System Page:

Here you can set various settings like locking the front panel, turning on/off the confirmation sound of the push buttons, shut-down time for the front panel and the Baud Rate for the serial control. This page is also used for firmware updates, factory reset and reboot of the unit.

RS-232 Control

Serial Port Control: Baud rate (default): 115200 Data bits: 8 Stop bits: 1 Check bit: 0		
RS-232 Command	**Function**	**Feedback**
System Settings		
help!	List all commands	

r status!	Get the current status of the device	Get the unit all status: power, beep, lock, in/ out connection, video/ audio crosspoint, EDID, scaler, network, status
r type!	Get the name of the device	
r fw version!	Get the firmware version	MCU BOOT: Vx.xx.xx MCU APP: Vx.xx.xx WEB GUI: Vx.xx
s power z!	Power on/off the device, z=0~1 (z=0 power off, z=1 power on)	power on system initializing… initialization finished! mcu fw version x.xx.xx
r power!	Get current power state	power on/power off
s beep z!	Enable/disable front button sound, z=0~1 (z=0 sound off, z=1 sound on)	beep on beep off
r beep!	Get front button sound state	beep on/beep off

s lock z!	Lock/unlock front panel buttons, z=0~1 (z=0 lock off, z=1 lock on)	panel button lock on panel button lock off

r lock!	Get front panel button lock state	panel button lock on/off
s lcd on time z!	Set on time for the lcd screen, z=0~4 (0:off 1:always, 2:15s, 3:30s, 4:60s)	lcd on 30 seconds
r lcd mode!	Get the backlight status of the lcd screen	lcd always on
s logo1 ******!	Set the name displayed on the first line of the lcd screen, max. character is 16	
s reboot!	Reboot the device	
s reset!	Reset to factory defauls	
s save preset z!	Save preset z scenario (z=1~8)	save to preset 1
s recall preset z!	Recall saved z preset (z=1~8)	recall from preset 1
s clear preset z!	Clear saved z preset (z=1~8)	clear preset 1
r preset z!	Get preset z information (z=1~8)	Video/audio information
Output Settings		

s display mode x!	Set output display mode (x =0~2) x=0 matrix mode x=1 video wall mode x=2 multi-viewer mode	display mode: matrix
r display mode!	Get output display mode	display mode: matrix
r output y res!	Get resolution of output y (y=0~4) y=0. output all y=1. output 1 y=2. output 2 y=3. output 3 y=4. output 4	output 1 resolution: 3840x2160p60
s output y res x!	Set resolution of output y (y=0~4, x=1~16) y=0. output all y=1. output 1 y=2. output 2 y=3. output 3	output 1 resolution: 3840x2160p60

	y=4. output 4 1. 4096x2160p60, 2. 4096x2160p50, 3. 3840x2160p60, 4. 3840x2160p50, 5. 3840x2160p30, 6. 1920x1080p60, 7. 1920x1080p50, 8. 1920x1080i60, 9.1920x1080i50, 10. 1920x1200p60rb, 11.1360x768p60, 12.1280x800p60, 13.1280x720p60, 14.1280x720p50, 15.1024x768p60 16. auto	

s output y csc x!	Set color space of output y (y=0~4, x=1~4) y=0. output all y=1. output 1 y=2. output 2 y=3. output 3 y=4. output 4 x=1. rgb444 x=2. ycbcr444 x=3. ycbcr4 2 x=4. ycbcr420	output 1 csc: rgb444
r output y csc!	Get color space of output y status (y=0~4) y=0. output all y=1. output 1 y=2. output 2 y=3. output y =4. output 4	output 1 csc: rgb444

s output y hdcp!	Set hdcp of output y (y=0~4,x=1~4) y=0. output all y=1. output 1 y=2. output 2 y=3. output 3 y=4. output 4 x=1. hdcp 1.4 x=2. hdcp 2.2 x=3. follow sink x=4. follow source	output 1 hdcp: hdcp 1.4

r output y hdcp!	Get hdcp status of output y (y=0~4) y=0. output all y=1. output 1 y=2. output 2 y=3. output 3 y=4. output 4	output 1 hdcp: hdcp 1.4

s output y hmirror x!	Get h mirror of output y (y =0~4, x=0,1) y=0. output all y=1. output 1 y=2. output 2 y=3. output 3 y=4. output 4 x=0. h mirror off x=1. h mirror on	output1 h mirror on
s output y vmirror x!	Set v mirror of output y (y= 0~4, x=0,1) y=0. output all y=1. output 1 y=2. output 2 y=3. output 3 y=4. output 4 x=0. v mirror off x=1. v mirror on	
r output y mirror!	Get status of output y mirr or (y=0~4) y=0. output all y=1. output 1 y=2. output 2 y=3. output 3 y=4. output 4	output 1 h mirror on, v mirr or off output 2 h mirror on, v mirr or off output 3 h mirror on, v mirr or off output 4 h mirror on, v mirr or off

s output y stream x!	Set to enable/disable stream of output y (y=0~4,x=0~1) y=0. output all y=1. output 1 y=2. output 2 y=3. output 3 y=4. output 4 x=0. disable stream x=1. enable stream	
r output y stream!	Get stream status of output y (y=0~4)	output 1 stream: enable

	y=0. output all y=1. output 1 y=2. output 2 y=3. output 3 y=4. output 4	
s output bg x!	Set display mode when no signal is connected (x=1~6) x=1. black screen x=2. blue screen x=3. color bar x=4. gray scale x=5. Cross x=6. cross hatch	output background: black screen

r output bg!	Get state of shown pattern when no signal is connect ed	output background: black s creen
EDID Settings		
s input x edid z!	Set edid mode of input x (x =0~4,z=1~18) x=0. all input x=1. input1 x =2. input2 x=3. input3 x=4. input4 z=1. 4k60,2.0ch z= 2. 4k60,5.1ch z=3. 4k60,7. 1ch z=4. 4k30,2.0ch z=5. 4k30,5.1ch z=6. 4k30,7.1c h z=7. 1080p,2.0ch z=8. 108 0p,5.1ch z=9. 1080p,7.1ch z=10. wuxga,2.0ch z=11. 768p, 2.0ch z=12. xga,2.0ch z=13. use r1 z=14. user2 z=15. copy out1 z=16. copy out2 z=17 . copy out3 z=18. copy out 4	input 1 edid:4k60,2.0ch
r input x edid!	Get input x edid mode(x=0 ~4) x=0. all input x=1. input1 x=2. input2	input 1 edid:4k60,2.0ch

	x=3. Input3 x=4. input4	
Video Matrix Settings		
s output y in source x!	Route input source to outp ut y (y=0~4, x=1~4) y=0. output all y=1. output 1 y=2. output 2 y=3. output 3 y=4. output 4 x=1. input 1 x=2. input 2 x=3. input 3 x=4. input 4	output1->input1
r output y in source!	Get selected input source f or output y (y=0~4) y=0. output all y=1. output 1 y=2. output 2 y=3. output 3 y=4. output 4	output1->input1
Video Wall Settings		

s tw mode x!	Set video wall mode (x=1~9) x=1. 2×2 mode x=2. 2×1 mode x=3. 2×1-2 mode x=4. 1×2 mode x=5. 1×2-2 mode x=6. 3×1 mode x=7. 4×1 mode x=8. 1×3 mode x=9. 1×4 mode	tv wall mode: 2×2
r tw mode!	Get video wall mode	tv wall mode: 2×2
s tw h bezel x!	Set video wall horizontal bezel (x=0~10,+,-)	tv wall horizontal bezel: 0
r tw h bezel!	Get video wall row bezel	tv wall horizontal bezel: 0
s tw v bezel x!	Set video wall vertical bezel (x=0~10,+,-)	tv wall vertical bezel: 0
r tw v bezel!	Get video wall vertical bezel	tv wall vertical bezel: 0

s tw group y input x!	Set input source x for video wall group y (y=0~4,x=1~4) y=0. tv wall group all y=1. tv wall group 1 y=2. tv wall group 2 y=3. tv wall group 3 y=4. tv wall group 4 x=1. HDMI® input 1 x=2. HDMI® input 2 x=3. HDMI® input 3 x=4. HDMI® input 4	tv wall group 1 input: HDMI® input 1

r tw group y source!	Get input source for video wall group y (y=0~4) y=0. tv wall group all y=1. t v wall group 1 y=2. tv wall group 2 y=3. tv wall group 3 y=4. tv wall group 4	tv wall group 1 input: HDMI ® input 1 tv wall group 2 input: HDMI ® input 2 tv wall group 3 input: HDMI ® input 3 tv wall group 4 input: HDMI ® input 4

s tw res x!	Set video wall resolution (x =1~15) 1. 4096x2160p60, 2. 4096x2160p50, 3. 3840x2160p60, 4. 3840x2160p50, 5. 3840x2160p30, 6. 1920x1080p60, 7. 1920x1080p50, 8. 1920x1080i60, 9. 1920x1080i50, 10. 1920x1200p60rb, 11. 1360x768p60, 12. 1280x800p60, 13. 1280x720p60, 14. 1280x720p50, 15. 1024x768p60	tv wall resolution: 3840x2160p60
r tw res!	Get video wall resolution	tv wall resolution: 3840x2160p60
Multi-view Settings		

s multiview x!	Set multi-view mode(x=1~6) x=1. Single x=2. Pip x=3. Dual x=4. Triple	single screen

	x=5. Quad x=6. user	
r multiview!	Get multi-view mode	single screen
s window y in x!	Select one input for one window of the current multi-view mode (x=1~4, y=0~4) y=0. window all y=1. window 1 y=2. window 2 y=3. window 3 y=4. window 4 x=1. HDMI® 1 x=2. HDMI® 2 x=3. HDMI® 3 x=4. HDMI® 4	window 1 select HDMI® 1

r window y in!	Get selected input source for window y (y=0~4) y=0. window all y=1. window 1 y=2. window 2 y=3. window 3 y=4. window 4	window 1 select HDMI® 1
s pip position x!	Set pip window position (x=1~4) 1. upper left 2. lower left 3. upper right 4. lower right	pip on upper right
r pip position!	Get pip window positon	pip on upper right
s pip size x!	Set pip window size (x=1~3) 1. Small 2. Middle 3. large	pip size: large
r pip size!	Get pip window size	pip size: large

s dual x mode!	Set dual windows display mode (x=1) 1. dual 1 mode	dual 1 mode
r dual mode!	Get dual windows display mode	dual 1 mode
s triple x mode!	Set triple windows display mode (x=1~3) 1. triple 1 mode	triple 1 mode

	2. triple 2 mode (2pip-left) 3. triple 3 mode (2pip-right)	
r triple mode!	Get triple windows display mode	triple 1 mode
s quad x mode!	Set quad windows display mode (x=1~3) 1. quad 1 mode 2. quad 2 mode 3. quad 3 mode	quad 1 mode
r quad mode!	Get quad windows display mode	quad 1 mode

s aspect x!	Set windows displayed aspect ratio (x=1~2) 1. full screen 2. 16:9	aspect: quad 2 full screen
r aspect!	Get windows display aspect ratio	aspect: quad 2 full screen
s user x mode!	Set user define windows display mode (x=1~3) 1. user 1 mode 2. user 2 mode 3. user 3 mode	user 1 mode
r user mode!	Get user define windows display mode	user 1 mode
s mv output audio x!	Set output audio source (x=0~4) 0. follow window 1 selected source 1. input 1 audio 2. input 2 audio 3. input 3 audio 4. input 4 audio	output audio: follow window 1 selected source output audio: select input 1 audio

r mv output audio!	Get output audio source	output audio: follow window 1 selected s ource
s mv res x!	Set multi-view resolution(x =1~15) 1. 4096x2160p60, 2. 4096x2160p50, 3. 3840x2160p60, 4. 3840x2160p50, 5. 3840x2160p30, 6. 1920x1080p60, 7. 1920x1080p50, 8. 1920x1080i60, 9.1920x1080i50,	multi-viewer resolution: 38 40x2160p60

	10. 1920x1200p60rb, 11.1360x768p60, 12.1280x800p60, 13.1280x720p60, 14.1280x720p50, 15.1024x768p60	
r mv res!	Get multi-view resolution	multi-viewer resolution: 38 40x2160p60

Embedded Audio Settings		
s input x as z!	Set audio of input x to source HDMI® signal or embedded signal(x=0~4,z=0~1) x=0. all input x=1. input 1 x=2. input 2 x=3. input 3 x=4. input 4 z=0. HDMI® original audio z=1. embed analog audio	input 1 select HDMI® original audio
r input x as!	Get selected audio of input x (x=0~4) x=0. all input x=1. input 1 x=2. input 2 x=3. input x=4. input 4	input 1 select HDMI® original audio input 2 select HDMI® original audio input 3 select embed analog audio input 4 select embe analog audio
External Audio Settings		

s output y exa x!	Set to enable/disable external audio of output y (y=0~4, x=0~1) y=0. output all y=1. output 1 y=2. output 2 y=3. output 3 y=4. output 4 x=0. ext-audio disable x=1. ext-audio enable	output 1 ext-audio: enable
r output y exa!	Get external audio status of output y. (y=0~4) y=0. output all y=1. output 1 y=2. output 2 y=3. output 3 y=4. output 4	output 1 ext-audio: enable

s output exa mode x!	Set mode of external audio output(x=0~2) x=0. bind to input mode x=1. bind to output mode x=2. matrix mode	output ext-audio moe: bind to input

r output exa mode!	Get external audio mode output	output ext-audio moe: bind to input
s output y exa in source x!	Route input source audio x to output ext-audio y(y=0~4, x=1~4) y=0. output all y=1. output 1 y=2. output 2 y=3. output 3 y=4. output 4 x=1. input 1 x=2. input 2 x=3. input x=4. input 4	output 1 ext-audio->input 1
r output y exa in source!	Get output y ext-audio selected input source(y=0~4) y=0. output all y=1. output 1 y=2. output 2 y=3. output 3 y=4. output 4	output 1 extaudio->input 1 output 2 extaudio->input2 output 3 extaudio->input 3 output 4 extaudio->input 4
CEC Settings		
s cec in x on!	Set input x power on by cec, x=0~4(0=all input)	Input 1 power on

s cec in x off!	Set input x power off by cec, x=0~4(0=all input)	Input 1 power off
s cec in x menu!	Set input x open menu by cec, x=0~4(0=all input)	Input 1 open menu
s cec in x back!	Set input x back operation by cec, x=0~4(0=all input)	input 1 back operation
s cec in x up!	Set input x menu up operation by cec, x=0~4 (0=all input)	Input 1 menu up operation
s cec in x down!	Set input x menu down operation by cec, x=0~4(0=all input)	Input 1 menu down operation

s cec in x left!	Set input x menu left operation by cec, x=0~4(0=all input)	Input 1 menu left operation
s cec in x right!	Set input x menu right operation by cec, x=0~4(0=all input)	Input 1 menu right operation
s cec in x enter!	Set input x menu enter by cec, x=0~4(0=all input)	Input 1 menu enter operation
s cec in x play!	Set input x play by cec, x=0~4(0=all input)	Input 1 play operation
s cec in x pause!	Set input x pause by cec, x=0~4(0=all input)	Input 1 pause operation
s cec in x stop!	Set input x stop by cec, x=0~4(0=all input)	Input 1 stop operation

s cec in x rew!	Set input x rewind by cec, x=0~4(0=all input)	Input 1 rewind operation
s cec in x mute!	Set input x volume mute by cec, x=0~4(0=all input)	Input 1 volume mute
s cec in x vol-!	Set input x volume down by cec, x=0~4 (0=all input)	Input 1 volume down
s cec in x vol+!	Set input x volume up by cec, x=0~4(0=all input)	Input 1 volume up
s cec in x ff!	Set input x fast forward by cec, x=0~4(0=all input)	Input 1 fast forward operation
s cec in x previous!	Set input x previous by cec, x=0~4 (0=all input)	input 1: previous operation
s cec in x next!	Set input x next by cec, x=0~4 (0=all input)	Input 1 next operation
s cec HDMI® out y on!	Set HDMI® output y power on by cec, y=0~4 (0=all HDMI® output)	HDMI® output 1 power on
s cec HDMI® out y off!	Set HDMI® output y volume mute by cec, y=0~4 (0=all HDMI® output)	HDMI® output 1 power off
s cec HDMI® out y mute!	Set HDMI® output y volume mute by cec, y=0~4 (0=all HDMI® output)	HDMI® output 1 volume mute
s cec HDMI® out y vol-!	Set HDMI® output y volume down by cec, y=0~4 (0=all HDMI® output)	HDMI® output 1 volume down

s cec HDMI® out y vol+!	Set HDMI® output y volume up by cec, y=0~4 (0=all HDMI® output)	HDMI® output 1 volume up
s cec HDMI® out y active!	Set HDMI® output y active source by cec, y=0~4 (0=all HDMI® output)	HDMI® output 1 active source
Network Settings		
ripconfig!	Get the current ip configuration	ip mode: static ip: 192.168.0.100 subnet mask: 255.255.255.0 gateway: 192.168.0.1 tcp/ip port=8000 telnet port=23 mac address: 00:1c:91:03:80:01
r mac addr!	Get the network mac address	mac address: 00:1c:91:03:80:01
s ip mode z!	Set network ip mode to static ip or dhcp, z=0~1 (z=0 static, z=1 dhcp)	Set IP mode: static. (Please use “s net reboot!” command or repower device to apply new config!)
r ip mode!	Get network ip mode	ip mode: static

s ip addr xxx.xxx.xxx.xxx!	Set the network ip address	set ip address: 192.168.0.100 (please use “s net reboot!” command or repower device to apply new config!) dhcp on, device can’t configure static address, set dhcp off first.
r ip addr!	Get network ip address	ip address:192.168.0.100
s subnet xxx.xxx.xxx.xxx!	Set the network subnet mask	set subnet mask: 255.255.255.0 (please use “s net reboot!” command or repower device to apply new config!) dhcp on, device can’t configure subnet mask, set dhcp off first.
r subnet!	Get network subnet mask	subnet mask:255.255.255.0

s gateway xxx.xxx.xxx.xxx!	Set the network gateway	set gateway:192.168.0.1 (please use “s net reboot!” command or repower device to apply new config!) dhcp on, device can’t config gateway, set dhcp off first.
r gateway!	Get network gateway	gateway:192.168.0.1
s tcp/ip port x!	Set network tcp/ip port (x=1~65535)	set tcp/ip port:8000

r tcp/ip port!	Get the network tcp/ip port	tcp/ip port:8000
s telnet port x!	Set network telnet port (x= 1~65535)	set telnet port:23
r telnet port!	Get the network telnet port	telnet port:23
s net reboot!	Reboot network modules	network reboot… ip mode: static ip: 192.168.0.100 subnet mask: 255.255.255. 0 gateway: 192.168.0.1 tcp/ip port=8000 telnet port =23 mac address: 00:1c:91:03: 80:01

Recycling Information

WEEE (Waste of Electrical and Electronic Equipment), Recycling of Electronic Products

Europe, United Kingdom

In 2006 the European Union introduced regulations (WEEE) for the collection and recycling of all waste electrical and electronic equipment. It is no longer allowable to simply throw away electrical and electronic equipment. Instead, these products must enter the recycling process. Each individual EU member state, as well as the UK, has implemented the WEEE regulations into national law in slightly different ways. Please follow your national law when you want to dispose of any electrical or electronic

products. More details can be obtained from your national WEEE recycling agency.

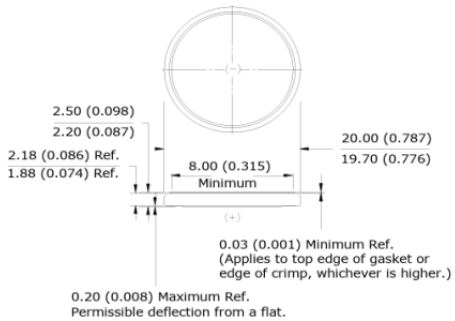
Battery Information

The following batteries or accumulators are included in this electrical appliance

Battery Quantity and Type	Chemical System
CR2025	Coin Cell Lithium

Product and Identification

- Product Name: Li-Mn Battery CR2025
- Manufacturer: DONGGUAN TIANQIU ENTERPRISE CO., LTD
- Address: TianQiu Industrial Park, Xinji Industrial Zone, Machong Town, Dongguan, Guangdong,
  P.R.China
- Date of Manufacture: 12/2023

Nominal Voltage	3 V	**Dimensions/QR code**
Impedance	25 Ω	
Typical weight	2.5 g	
Typical Volume	0.8 cm²	
Terminals	+ / -	
Storage Temperature range	-20°C to Y 30°C (-4°F to 86°F)	
Operating Temperature range	-20°C to Y 30°C (-4°F to 86°F)	
Capacity	150 mAh	
Minimum Average Operating Time	560 hours	

COMPOSITION AND INGREDIENTS

The chemicals and metals in this product are contained in a sealed can. Exposure to the contents will not occur unless the battery leaks, is exposed to high temperatures or is mechanically, physically, or electrically abused.

Chemical Name	Approximate weight	CAS No	EC
Iron	57.41%	7439-89-6	231-096-4
Manganese dioxide	29.79%	1313-13-9	215-202-6
Perchloric Acid, Lithium Salt	3.92%	7791-03-9	232-237-2
Polypropylene	2.46%	9003-07-0	–
Propylene Carbonate	2.83%	108-32-7	203-572-1
Lithium	1.71%	7439-93-2	231-102-5
Graphite(C)	0.21%	7782-42-5	231-955-3
Poly(tetrafluoroethylene)	0.21%	9002-84-0	–
Ethylene Glycol Dimethyl Ether	1.46%	110-71-4	203-794-9

HAZARDS IDENTIFICATION

General Battery Safety
Your device uses disposable or rechargeable batteries. Misuse of these batteries can result in injury, death, property damage, or damage to your device or its accessories due to battery fluid leakage, fire, overheating, or explosion. Battery fluid is corrosive, toxic, and can cause burns or serious harm if ingested.

To Reduce the Risk of Injury:

- Keep batteries out of reach of children.

Recycling Information

- Use the correct charger: Rechargeable batteries should only be charged with the charger provided or recommended for your device. Improper charging can result in

fire or explosion.
- Replace old or worn batteries promptly: Dispose of them responsibly, following local regulations.
- Remove batteries during long-term storage: Store your device without batteries to avoid leakage.
- Avoid contact with battery fluid: If a battery leaks, ensure the fluid does not contact skin, eyes, or clothes. In case of contact, rinse thoroughly with water and seek medical advice if needed. Clean the battery compartment before inserting new batteries.

HANDLING AND USAGE TIPS:

- Use only LINDY-approved battery packs or batteries of the same type and rating.
- Do not disassemble, crush, puncture, or expose batteries to temperatures above 40°C (104°F).
- Avoid mixing old and new batteries or different types (e.g., carbon-zinc and alkaline).
- Prevent metal objects from touching battery terminals to avoid burns.
- Do not immerse batteries in water or expose them to fire.
- Do not use a wet battery or attempt to dry it with heat sources like hair dryers or ovens.
- Handle batteries carefully to prevent physical damage or short circuits.
- Discard damaged batteries safely.

WARNING: Safety for Non-User-Replaceable Batteries
Improper handling of your device’s non-removable battery can lead to fire or explosion:

- Do not heat, open, puncture, or dispose of the device or its battery in fire.
- Avoid charging the device in direct sunlight for extended periods.

For repairs, consult professionals. Attempting repairs can cause electric shock, device damage, or personal injury.
WARNING: Safety for User-Replaceable Batteries

If your device has a user-replaceable battery:

- Follow the instructions in the Quick Start Guide to replace the battery.
- Seek professional assistance for other repairs to avoid risks like electric shock or device damage.

WARNING: Coin Cell/Button Battery Safety

CHEMICAL BURN HAZARD. KEEP OUT OF REACH OF CHILDREN.

Swallowing coin/button batteries can cause severe internal injuries or death within hours. If you suspect ingestion or insertion, seek immediate medical attention. Always keep new and used batteries out of children's reach.

CAUTION: Batteries can explode or leak, causing burns if: recharged improperly, disposed of in fire, mixed with different battery types or inserted backward. Replace all batteries at the same time. Do not carry loose batteries or remove battery labels.

FIRST AID INFORMATION

- Ingestion: Do not induce vomiting. Seek medical attention immediately.
- Eye Contact: Flush with water for 15 minutes and seek medical help if irritation persists.
- Skin Contact: Wash with soap and water. Seek medical attention if irritation continues.
- Inhalation: Move to fresh air. Seek medical advice if symptoms persist.

FIRE FIGHTING MEASURES

Hazards During Combustion: Batteries can release toxic fumes like carbon monoxide and other harmful substances. Avoid inhalation.
Extinguishing Media: Use Class "D" fire extinguishers, lith-x, copper powder, or dry sand for battery fires. For adjacent fires involving packaged cells, water or CO_2 may be used. Avoid water for bulk unpacked cells. Firefighters should wear self-contained breathing apparatus.

HANDLING AND STORAGE

Precautions: Handle batteries carefully to avoid damage that could lead to short circuits, leakage, or explosions. Storage: Keep batteries in a cool, dry, and well-ventilated area.

INSTRUCTIONS for Battery Use, Removal, and Replacement

Read specifications carefully before use. Improper handling of lithium batteries can lead to failure, including leakage, overheating, fire, or explosion. Follow all instructions for safe battery use, removal, and replacement to avoid injury or device damage.

Information on the safe removal of batteries or accumulators

1. Warning: Make sure the battery is completely drained.
2. Carefully remove the battery or accumulator.
3. The battery or accumulator and the device can now be disposed of separately.

CE/FCC Statement

CE Certification

LINDY declares that this equipment complies with relevant European CE requirements.

UKCA Certification

LINDY declares that this equipment complies with relevant UKCA requirements.

FCC Certification

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide

reasonable protection against harmful interference in a residential installation.
You are cautioned that changes or modifications not expressly approved by the party responsible for compliance could void your authority to operate the equipment.
This device complies with part 15 of the FCC Rules.

Operation is subject to the following two conditions:

1. This device may not cause harmful interference, and
2. This device must accept any interference received, including interference that may cause undesired operation.

The enclosed power supply has passed Safety test requirements, conforming to the US American versions of the international Standard IEC 62368-1.

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- LINDY-Elektronik GmbH
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- Germany
- Email: info@lindy.com,
- T: +49 (0)621 470050

Manufacturer (UK):

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- Stockton-on-Tees, TS17 9JY
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Tested to comply with FCC standards. For home and office use.

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lindy.com

Frequently Asked Questions

- **Q: Can I use different IR cables with this product?**
  - A: Individual IR cables are not included, but 3.5mm IR cables with specific pinouts can be used.
- **Q: How many video wall layouts does the Matrix support?**
  - A: The Matrix supports 9 different video wall layouts.
- **Q: How many multi-view layouts does the Matrix support?**
  - A: The Matrix supports 16 different multi-view layouts.

Documents / Resources

	LINDY 38390 Seamless Multi View Matrix with Video Wall Scaling [pdf] User Manual 38390 Seamless Multi View Matrix with Video Wall Scaling, 38390, Seamless Multi View Matrix with Video Wall Scaling, View Matrix with Video Wall Scaling, with Video Wall Scaling, Video Wall Scaling, Wall Scaling

References

- User Manual

LINDY

38390, 38390 Seamless Multi View Matrix with Video Wall Scaling LINDY, Seamless Multi View Matrix with Video Wall Scaling, Video Wall Scaling, View Matrix with Video Wall Scaling, Wall Scaling, with Video Wall Scaling

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