CONNECTION PERFECTION

HDMI 1:4 Video Wall Controller Scaler

User Manual

English



No. 38134

www.lindy.com



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Introduction

Thank you for purchasing the LINDY HDMI Video Wall Controller Scaler. The HDMI Video Wall Controller Scaler allows an HDMI input source to be freely arranged on 4 displays (TV or monitor) and or cascaded using multiple units to extend the HDMI signal to even larger arrays.

This flexible feature rich product has been designed to be used in a number of different applications, such as:

- Public/Retail Advertisement
- Digital Presentation
- Broadcasting & Control
- Surveillance & Control
- Conference & Meeting Room

Package Contents

- HDMI 1:4 Video Wall Controller Scaler
- Includes Multi-Country (UK/EU/US/AUS) PSU 12V 3A
- 2 x 19" mounting brackets & screws

Features

- Scales a single HDMI source across 4 HDMI displays
- Cascading feature allows the creation of larger video walls, up to 15 x 15
- User definable output scaling
- Controlled via Software Application, RS-232 and Telnet
- Bezel correction to aid screen blending
- Adjustable picture contrast, brightness, saturation and hue
- Memory function to store 4 user determined configurations
- Can be used with LINDY HDMI extenders to reach remote displays

Specification

- Input ports: 1 x HDMI Female
- Input resolution: 480i 1080p
- Output ports: 4 x HDMI Female
- Output resolution: 480p 1080p
- Audio support: LPCM 2CH, 6CH, 8CH, AC3, DTS, Dolby Digital Plus, Dolby TrueHD & DTS-HD
- Control Ports: RJ45 (Telnet) & Serial 9 Way Male (RS-232)
- Video bandwidth: 225MHz/6.75Gbps
- Power consumption: 12.3W
- Weight: 2.8Kg
- Dimensions: 436x247x44mm (WxDxH)

Front Panel



1. Power

Switch the Scaler On/Off

Press and hold for 3 seconds with the Scaler already powered on to reset to Factory Default

Rear Panel



1. HDMI In

Connect your HDMI source device such as PC, Blu-ray etc to this port

- HDMI Out A D Connect your HDMI displays to these ports
- 3. Control

Connect to an Ethernet network for Telnet control

- 4. USB Service Only Reserved for Factory use only
- 5. RS-232

For connection to a PC/Notebook or Remote Control Processing unit

6. DC 12V

Connect the supplied 12V power supply here

Basic Operation

Important! It is strongly recommended that you use 4 identical (Brand and Model) displays for optimum performance.

To begin connect your HDMI source to the HDMI IN port, and 4 HDMI displays to the HDMI OUT ports A-D. By default the Scaler is set to output a 2 x 2 video wall as shown below



To configure the Video Wall further please refer to the following Configuration section of this manual.

To add expand upon the basic 2×2 video wall it is possible to cascade further Scalers by connecting Output D to the HDMI Input of the next Scaler, as shown below.



This cascading can be repeated up to 75 layers allowing a maximum of 225 displays to be connected.

Configuration

To begin the configuration process please download the software application from www.lindy.com, alternatively you can configure the Scaler using RS-232 or Telnet as described later in this section.

Please note: Before beginning the software installation, please ensure that any previous versions have been removed.

- 1. Navigate to the location that you saved the downloaded file and run the Setup.exe file.
- 2. When prompted by Windows allow the software access to your network.
- 3. You will now be presented with the TV Wall Set screen as show here, click **Search MAC** to find the Scaler on your network. You will need to repeat this step whenever the Scaler has been power cycled or reset. Once the software has found a Scaler you can begin configuring its settings.

V Wall Set v1.10						
ystem Setting	gs	Connect Interfac	e	-Network Cont	iguration	
Power	🗖 ALL IP	Connect	Disconnect	Get IP	Address Type	•
actory Reset	🗖 ALL IP	MAC :	•	Set IP	IP Address	
Refresh	Search MAC	Model No.	•	Re-Link	Default Gateway	
TV Wall (1)	TV Wall Setup	n CON COF	F 🗆 ALL IP			
TV Wall (2)	1x1	2x2	3x3	4x4	5x5	6x6
TV Wall (3)	2x3	3x2	3x4	4x2	4x3	4x5
TV Wall (4)	1x2	2x1	1x3	3x1	1x4	4x1
I/O Setup	2:4	2.4	- Evd	5.v2		62
	2X4	3X5	5X4	5X3	6X2	6x3

System Configuration

TV Wall Set v1.10 FW: v2.0	04					_		
System Settings	Con	nect Interface-		Network Configuration				
Power ON	LIP	Connect	Disconnect	Get IP	Address Type	DHCP	•	
Factory Reset 🗆 AL		F8-22-85-09-0	15-BC	Set IP	IP Address	192.168.0	001.254	
		2. ji 0.22.03.03.0			Net Mask	255.255.2	255.000	
Refresh Search	h MAC Mod	el No. 0 🔻	·	Re-Link	Default Gateway	192.168.0	001.002	
TV Wall (1) Bez TV Wall (2)	el Correction (a 1x1 2x3	ON OFF	☐ ALL IP 3x3 3x4	4x4	5x5		6x6 4x5	
I/O Setup	1x2	2x1 3x5	1x3	3x1	1x46x2		4x1	
Image Adjust								

Connect Interface

- 1. Click **Connect** to connect to the Scaler, at this point the settings will refresh (other than Image Adjust which is handled separately. If you are using multiple Scalers, select the Scaler you want to connect to using the **MAC** dropdown box and then press connect.
- 2. To disconnect a Scaler or multiple Scalers follow the step above but using Disconnect.
- 3. When using multiple Scalers it is important to be able to identify the location of the Scalers screens so that the image is correctly split. You can use the **Model No.** field to identify the Scaler, making configuration of the video wall more straight forward.

System Settings

- 1. Click **Power ON** to switch the Scaler on. If you're using multiple Scalers then check the **ALL IP** box next to Power ON and then click **Power ON** to switch all Scalers on.
- 2. Click **Factory Reset** to return the Scaler back to its default settings. If you're using multiple Scalers then check the **ALL IP** box next to Factory Reset and then click **Factory Reset** to reset all of the Scalers.
- 3. Click **Refresh** to re-read the configuration from the Scaler.

Network Configuration

- 1. From the **Address Type** field drop down, choose either DHCP or STATIC and then click **Set IP** and wait for a few seconds for the setting to be applied.
- 2. If you are using a static IP complete the IP Address, Net Mask and Default Gateway fields and then click **Set IP** and wait for a few seconds for the setting to be applied.

Video Wall Configuration

💌 TV Wall Set v1.10	FW: v2.04					-
System Setting	S	Connect Interface		Network Conf	iguration	
Power ON		Connect	Disconnect	Get IP	Address Type	DHCP -
Factory Reset		MAC : F8:22:85:0	9:05:BC 🔻	Set IP	IP Address	192.168.001.254
Refresh	Search MAC	Model No. 0	•	Re-Link	Net Mask Default Gateway	192.168.001.002
TV Wall (1)	TV Wall Setup Bezel Correctio					
TV Wall (2)	1x1	2x2	3x3	4x4	5x5	6x6
TV Wall (3)	2x3	3x2	3x4	4x2	4x3	4x5
TV Wall (4)	1x2	2x1	1x3	3 3x1	1x4	4x1
I/O Setup	2x4	3x5	5x4	5x3	6x2	6x3
Image Adjust						

TV Wall (1)

- 1. Bezel Correction can be switched ON or OFF here according to your requirement
- 2. If you are using multiple Scalers ensure that you select ALL IP before setting Bezel Correction to ON/OFF
- 3. Quick Video wall layout options from 1 x 1 to 6 x 6, simply select the configuration you require.

💌 TV Wall Set v1.10	FW: v2.04						-		\times
System Setting	js	Connect Interfa	ace		letwork Cor	figuration			
Power ON	T ALL IP	Connect	Disconnect		Get IP	Address Type	DHCP	•	
Factory Reset		MAC : E8:22:	85:09:05:BC		Set IP	IP Address	192.168.0	01.254	
						Net Mask	255.255.2	55.000	
Refresh	Search MAC	Model No. 0	•		Re-Link	Default Gateway	192.168.0	01.002	
TV Wall (1) TV Wall (2)	⊤TV Wall Setu Manual setup	Dut Channel	Column	1~1	Row 5 🗸	Out Position 1∼MxN _	Send	1	I
TV Wall (3)	Output Ch.4 B	ypass 📀 ON 🛛							
TV Wall (4)	H Correction	Out A	Out B	10	Out C	Out D	Send	3	3
I/O Setup									Γ

TV Wall (2)

- Select an Output Channel A D and then set the layout of the Video wall using Column (1 15) and Row (1 – 15). Finally select the position of this Output in the video wall and then click Send; Rows are counted from Top to Bottom and Columns from Left to Right. So in a 3 x 3 video wall configuration Out Position 1 would be the Top Left of the video wall and Out Position 9 would be bottom right.
- 2. Output Ch.4 Bypass ON/OFF allows you to determine whether Output D is used in Standard or Cascade mode.
- 3. H Correction allows the horizontal position of each Output's display to be adjusted for Bezels.
- 4. V Correction allows the vertical position of each Output's display to be adjusted for Bezels.

FW: v2.04					-	
js	-Connect Interface	;;	-Network Conf	iguration		
T ALL IP	Connect	Disconnect	Get IP	Address Type	DHCP	•
	MAC : F8:22:85:0	09:05:BC 💌	Set IP	IP Address	192.168	3.001.254
Search MAC	Model No. 0	•	Re-Link	Default Gateway	192.168	3.001.002
TV Wall Setup)					
1	Out A	Out B	Out C	Out D		
H Start Value	Value	Value	Value	Value	١Ľ	Refresh 2
H End Value	Value	Value	Value	Value	ЪĒ	Reset 3
V Start Value	Value	Value	Value	Value	•	
	Value	Value	Value	Value		
	FW: v2.04	FW: v2.04	FW: v2.04	FW: v2.04 IS Connect Interface Network Conf Get IP Disconnect Get IP ALL IP MAC : F8:22:85:09:05:BC ▼ Re-Link Search MAC Out A Out B Out C TV Wall Setup Value Value Value H Start Value Value Value Value V Start Value Value Value Value Value Value Value Value V Start Value Value Value Value Value Value Value Value	FW: v2.04 IS Connect Interface Network Configuration Get IP Address Type IP Address Set IP IP Address MAC : F8:22:85:09:05:BC ▼ Net Mask Model No. O O Net Mask Default Gateway Out A Out B Out C Out D TV Wall Setup Value Value Value Value Value Value H End Value Value Value Value Value Value Value Value Value V Start Value Value Value Value Value Value Value Value Value Value Value Value Value Value Value	FW: v2.04 - IS Connect Interface Network Configuration IC ALL IP Connect Disconnect MAC : F8:22:85:09:05:BC IP Model No. IP IP Address 192:168 Net Mask 255:256 Re-Link Default Gateway IP Out A Out B Out A Out B Out C Value Value Value Value Value Value Value Value Value Value Value Value V Start Value Value Value Value Value Value Value Value Value

TV Wall (3)

- 1. Output H&V Value setup allows you to adjust individual outputs A D to a specific position and from horizontal and vertical position of 0 255. This setting is used to fine tune your TV wall array in case of issues with the default set up.
- 2. Refresh just the TV Wall (3) page with one click, no other information is refreshed, click Refresh before adjusting the settings to ensure you have the correct base values.
- 3. Reset all the settings from the TV Wall (3) page back to factory defaults.

💌 TV Wall Set v1.10	FW: v2.04					-		\times
System Setting	S	Connect Interface	;;	Network Conf	iguration			
Power ON		Connect	Disconnect	Get IP	Address Type	DHCP	•	
Factory Reset	T ALL IP	MAC : E8:22:85:0	19:05:BC ▼	Set IP	IP Address	192.168.0	01.254	
	1				Net Mask	255.255.2	55.000	
Refresh	Search MAC	Model No. 0	•	Re-Link	Default Gateway	192.168.0	01.002	_
TV Wall (1) TV Wall (2) TV Wall (3)	TV Wall Setup Save TV Wall FAV 1	Settings	FAV 3	FA	V 4 F.	AV 5	1	
TV Wall (4) I/O Setup	Recall TV Wa	FAV 2	FAV 3	FA	V 4 F	AV 5	2	
Image Adjust								

TV Wall (4)

- 1. After configuring your array in TV Wall (2), click on FAV 1 5 under Save TV Wall Settings to store these values.
- 2. Click FAV 1 5 under Recall TV Wall Settings to use one of the previously saved TV Wall configurations.

TV Wall Set v1.10	FW: v2.04						×
-System Setting	js	Connect Interface-		Network Confi	guration		
Power ON	T ALL IP	Connect	Disconnect	Get IP	Address Type	DHCP	
Factory Reset	T ALL IP	MAC : F8:22:85:09	:05:BC 💌	Set IP	IP Address	192.168.001.254	
Refresh	Search MAC	Model No. 0	•	Re-Link	Default Gateway	192.168.001.002	-
TV Wall (1)	- I/O Setup	tion			Muto		
TV Wall (2)	Native		5	▼ □ ALL IP	C ON @	OFF 🗆 ALL IP	
TV Wall (3)	OSD Auto Dis	splay	OSD V Offset	1	OSD Info		
TV Wall (4)	, OSD Display	Timeout	OSD Gain Corre	action	Refresh	2	
I/O Setup	10		2	✓ □ ALL IP	Reset	3	
Image Adjust							

I/O Setup

- 1. All settings under I/O Setup can be amended for a single TV Wall Scaler or multiple TV Wall Scalers. If using multiple Scalers click on ALL IP for each setting which you want to use with all Scalers. Parameters and default value are as stated in RS-232 command section.
- 2. Refresh just the I/O page with one click, no other information is refreshed, click Refresh before adjusting the settings to ensure you have the correct base values.
- 3. Reset all the settings from the I/O page back to factory defaults.

💌 TV Wall Set v1.10	FW: v2.04						_		×
-System Setting	S	Connect	Interface		Network Confi	guration			
Power ON		Conn	ect Dis	connect	Get IP	Address Type	DHCP	•	
Factory Reset		MAC	F8:22:85:09:05:F	BC V	Set IP	IP Address	192.168	.001.254	
						Net Mask	255.255	.255.000	
Refresh	Search MAC	Model No	. 0 –		Re-Link	Default Gateway	192.168	.001.002	
TV Wall (1)	-Image Adjus	t					-		
TV Wall (2)	Brightness	OUT A 0~100 🔻	OUT B	OUT C	OUT D	Reset 🗆 Al	LIP P	icture Rese	et 3
TV Wall (3)	Contrast	0~100 💌	0~100 -	0~100 💌	0~100 💌	Reset 🗆 AL	.L IP	Refresh	2
TV Wall (4)	Saturation	0~100 💌	0~100 💌	0~100 💌	0~100 💌	Reset 🗆 Al	L IP		
I/O Setup	Hue	0~100 💌	0~100 -	0~100 💌	0~100 💌	Reset I AL	L IP		
Image Adjust									

Image Adjustment

- 1. Brightness, Contrast, Saturation and Hue can all be amended for each output of a single TV Wall Scaler or multiple TV Wall Scalers. If using multiple Scalers click on ALL IP for each setting which you want to use with all Scalers. Parameters and default value are as stated in RS-232 command section.
- 2. Refresh just the Image Adjust page with one click, no other information is refreshed, click Refresh before adjusting the settings to ensure you have the correct base values.
- 3. Reset all the settings from the Image Adjust page back to factory defaults.

RS-232 &Telnet Control

RS-232 Protocols

TV Wall Scaler					
PIN	Assignment				
1	NC				
2	Тx				
3	Rx				
4	NC				
5	GND				
6	NC				
7	NC				
8	NC				
9	NC				

Remote Control					
PIN	Assignment				
1	NC				
2	Rx				
3	Тx				
4	NC				
5	GND				
6	NC				
7	NC				
8	NC				
9	NC				

Baud Rate	115200bps
Data Bit	8
Parity	None
Flow Control	None
Stop Bit	1

RS-232 & Telnet Commands

- Commands will be not executed unless followed with a carriage return (0x0D) and commands are case-sensitive.
- RS-232 control is set to single device only, not for use with Cascade/Bypass output's connection device. To control multiple Scalers please use the control software.
- Bold values are the default setting.

Item	Command	Description	Parameter
	RRES	Request Resolution	0=480p
Resolution	RRES SRES 0 – 18	Request Resolution	$0=480p$ $1=576p$ $2=720p50$ $3=720p60$ $4=1080p24$ $5=1080p25$ $6=1080p50$ $8=1080p60$ $9=1024x768 \ 60$ $10=1280x800 \ 60$ $11=1280x1024 \ 60$ $12=1366x768 \ 60$ $13=1440x900 \ 60$ $14=1600x900 \ 60$ $16=1680x1050 \ 60$
			17=1920x1200 60 18= Native
	ROSDD	Request OSD Status	
	SOSDD 0/1	Set OSD Status	0= 0FF , 1=ON
OSD	ROSDH	Request OSD H Position	0 – 20 (5)
	SOSDH 0~20	Position	
	ROSDV	Request OSD V Position	0 – 20 (5)

Item	Command	Description	Parameter
OSD (continued)	SOSDV 0~20	Set OSD V Position	
		Request OSD Display	- 0~20 (50)
	ROSDT		
	SOSDT 2~50	Timeout in Second	
	ROSDG	Request OSD Gain Correction	0~10 (2)
	SOSDG 0~10	Set OSD Gain Correction	
	SOSDI	Set OSD Information Status	ON/OFF
	SOSDR	OSD reset to factory default "off"	
	RBRI 1~4	Request Brightness	Output 1~4
	SBRI 1~4 0~100	Set Brightness	Output 1~4, Brightness Value 0~100 (50)
	RCON 1~4	Request Contrast	Output 1~4
	SCON 1~4 0~100	Set Contrast	Output 1~4, Contrast Value 0~100 (50)
	RSAT 1~4	Request Saturation	Output 1~4
	SSAT 1~4 0~100	Set Saturation	Output 1~4, Saturation Value 0~100 (50)
Image	RHUE 1~4	Request Hue	Output 1~4
	SHUE 1~4 0~100	Set Hue	Output 1~4, Hue Value 0~100 (50)
	SIMRE 1~4	Reset Picture Setting	1->Brightness2->Contrast3->Saturation4->Hue
	SPIRE	Reset All Picture Setting	
Ethernet	RIPM	Request IP Mode	0->DHCP , 1->Static
	SIPM 0/1	Set IP Mode	
	RIPA	Request IP Address	
	SIPA	-	
	0~255.		
	0~255.	Set IP Address	IPA3.IPA2.IPA1. IPA0
	0~255.		
	0~255		
	RMAA	Request Mask Address	
	SMAA	Set Mask Address	
	U~255.		Mask ADDR :
	0~200.		MAA3.IVIAA2.
	0~255		
	RGAA	Request Gateway	
	SGAA	Auu 633	Gate ADDR ·
	0~255.	Set Gateway Address	GAA3.GAA2.

0-255. GAA1.GAA0 0-255. RETIME Request Ethernet Timeout GeOFF, 1=10min, 2=20min, 3=30min, 4=40min, 5=50min, 6=60min SETIME 0-6 Set Ethernet Timeout 2=20min, 3=30min, 4=40min, 5=50min, 6=60min Ethernet (continued) RLINK Read Link IP000-255 IP020-255 GA0	Item	Command	Description	Parameter
0-255 0-255 0-255 RETIME Request Ethernet Timeout 2=20min, 3=30min, 4=40min, 5=50min, 6=50min, 6=50min, 6=50min, 6=50min, 6=50min, 6=50min, 6=50min, 6=50min, 6=50min, 6=50min, 6=50min, 6=50min, 6=50min, 6=50min, 6=50min, 6=50mi		0~255.		GAA1.GAA0
Image: block of the second status Ethernet (continued) RLINK Read Link Image: block of the second status Image: block of the second status Image: block of the second status Ethernet (continued) RLINK Read Link MA000-255 IMA000-255 Image: block of the second status Request Mute Status 0=UNMUTE, 1=MUTE SMUTE 0/1 Set Mute Status 0=UNMUTE, 1=MUTE RPOW Request Mute Status 0=UNMUTE, 1=MUTE SPOW 0/1 Set Power Status 0=UNMUTE, 1=MUTE SNIC M N 0=4 Set Re-Link Deveme: Status Deveme: Status <td></td> <td>0~255.</td> <td></td> <td></td>		0~255.		
RETIME Request Ethernet Timeout 0-OFF, 1=10min, 2=20min, 3=30min, 4=40min, 5=50min, 6=60min SETIME 0-6 Set Ethernet Timeout 6=60min 6=60min Ethernet (continued) RLINK Read Link MA010-255 MA020-255 GA010-255 GA010-255 GA010-255 GA010-255 GA010-255 GA010-255 GA020-255 GA030-255 GA030-255 GA030-255 RMUTE Request Mute Status 0=UNMUTE, 1=MUTE SMUTE 0/1 Set Mute Status 0=UNMUTE, 1=MUTE SMUTE 0/1 Set Mute Status 0=UNMUTE, 1=MUTE SMUTE 0/1 Set Mute Status 0=UNMUTE, 1=MUTE SPOW 0/1 Set Power Status 0=Power off, 1=Power on RVER Request Version SEE SPOW 0/1 Set Re-Link 0 SREL Set Re-Link 1 SDEF Request Version TV WALL M Value Value TV WALL M Value TV WALL Nue Value SCO 1-4 Y Set Output TV Wall Output 1-4 Output 1-4 SCO 1-4 Y Request H Bostion Output 1-4 Output 1-4 SCO 1-4 Y Request V Walue Output 1-4 Output 1-4 SCO 1-4 Y Request V Bostion(M*N) Output 1-		0~255		
KE Inne Timeout 2-20min, 3-30min, 6+30min, 6+		DETIME	Request Ethernet	0=OFF, 1=10min,
SETIME 0-6 Set Ethernet Timeout 4-40min, 5-50min, 6-60min IP000-255 IP010-255 IP020-255 IP010-255 IP020-255 IP020-255 IP020-255 IP020-255 IP020-255 MA000-255 IP020-255 MA010-255 MA000-255 GA000-255 GA000-255 GA010-255 GA000-255 GA010-255 GA010-255 GA010-255 GA010-255 GA010-255 GA00-255 GA010-255 GA010-255 GA020-256 GA020-255 GA010-255 GA020-255 GA020-255 SEE Set Mute Status 0=UNMUTE, 1=MUTE SPOW 0/1 Set Mute Status 0=EUNMUTE, 1=MUTE SREL Set Re-Link 0 RVER Request Version SEREL SREL Set Re-Link 1 RMNC 1-4 Request Version 1 SCO 1-4 Y Set Output TV Output 1-4 RCBH 1-4 Request Value Output 1-4 SCO 1-4 Y Set Output TPU Output 1-4		RETIME	Timeout	2=20min, 3=30min,
St. Hind, Gro Set Extended function 6=60min (P000-255) (P000-256) (P000-256) (P000-25) (P0		SETIME 0.6	Set Ethernet Timeeut	4=40min, 5=50min,
Ethernet (continued)RLINKRead LinkIP000-255 IP020-256 IP020-256 IP020-255 MA020-255 MA020-255 MA020-255 GA020-255 Set TWall Value TV Wall Position TWALL N Value Position TWALL N Value Position No Unput 1-4 Value SCD 1-4 Y RCBH 1-4 SCD 1-4 Y RCBH 1-4 SCD 1-4 Y RCBH 1-4 SCD 1-4 Y RCBH 1-4 SCD 1-4 Y RCBH 1-4 Request V Bezel Value RCBH 1-4 Request V Bezel Value Set Output T Vall Position No Value Output 1-4, H Bezel Value Value Output 1-4, H Bezel Value Value No Value Output 1-4, V Bezel Value No No No H 1-4, V Bezel Value No No No H 1-4, V Bezel Value No No No No No No No No No <td></td> <td>SETIME 0~0</td> <td>Set Ethemet Timeout</td> <td>6=60min</td>		SETIME 0~0	Set Ethemet Timeout	6=60min
Ethernet (continued) RLINK Read Link IP010-255 IP030-255 IP030-255 MA020-255 MA020-255 GA010-255 GA010-255 GA020-255 GA020-255 GA020-255 GA020-255 GA030-255 RMUTE Request Mute Status 0=UNMUTE, 1=MUTE SMUTE 0/1 Set Mute Status 0=UNMUTE, 1=MUTE SMUTE 0/1 Set Mute Status 0=UNMUTE, 1=MUTE SPOW 0/1 Set Power 0=UNMUTE, 1=MUTE SPOW 0/1 Set Power Status 0=Power off, 1=Power on SPOW 0/1 Set Power Status 0=Dower off, 1=Power on SVER Request Version STEL SDEF Request Version STEL SDEF Request VUalu TV WALL M Value TV WALL N Value SMNC 1-4 Request V Wall Value Output 1-4 SCO 1-4 Request V Wall Position Output 1-4 SCO 1-4 Y Set Output TV Wall Position (MN) Output 1-4, TV Wall position(MN) RCBH 1-4 Request H Bezel Value Output 1-4, H Bezel value SCB 11-4 0-255 Set Output T Bezel Value Output 1-4, H Bezel value REZ Request V Bezel Value Output 1-4, V Bezel value RBEZ Request Bezel Value Output 1-4, V Bezel value RBEZ Request Bezel Status 0=Bezel off, 1=Bezel on SEE 0/1 Set Bozel Status 0=Bezel off, 1=Bezel on <				IP000~255
Ethernet (continued) RLINK Read Link IP020-255 MA000-255 MA000-255 GA000-255 GA000-255 GA000-255 GA000-255 GA000-255 GA020-255 GA0				IP010~255
Ethernet (continued) RLINK Read Link IP030-255 MA010-255 MA010-255 GA000-255 GA000-255 GA000-255 GA020-255 GA030-255 GA030-255 GA030-255 RMUTE Request Mute Status 0=UNMUTE, 1=MUTE SMUTE 0/1 Set Mute Status 0=UNMUTE, 1=MUTE SMUTE 0/1 Set Mute Status 0=UNMUTE, 1=MUTE SPOW 0/1 Set Power Status 0=Power off, 1=Power on SPEF Request Version SEEL SDEF Reset to factory default TV WALL M Value RNNC 1-4 Request TV Wall Value TV WALL M Value SDEF Reset to factory default TV WALL M Value RCD 1-4 Request Output TV Wall Position Output 1-4 SCO 1-4 Y Set Output TV Wall Position Output 1-4 RCBH 1-4 Request H Bezel Value Output 1-4, H Bezel value SCBH 1-4 0-255 Set Output H Bezel Value Output 1-4, H Bezel value RCBV 1-4 Request V Bezel Value Output 1-4, H Bezel value REZ Request Bezel Value Output 1-4, V Bezel value Output 1-4, V Bezel value TV Wall Set D(1-4 0-255 Set Output V Bezel Value Output 1-4, V Bezel value REZ Request Bezel Status 0=Bezel off, 1=Bezel on Status 0=Bezel off, 1=Bezel on			Read Link	IP020~255
Ethernet (continued) RLINK Read Link MA010-255 MA020-255 GA000-255 GA000-255 GA020-255 GA0				IP030~255
Ethernet (continued) RLINK Read Link MA020-255 MA030-255 GA002-255 GA020-255 GA020-255 GA020-255 GA020-255 RMUTE Request Mute Status 0=UNMUTE, 1=MUTE SMUTE 0/1 Set Mute Status 0=UNMUTE, 1=MUTE SMUTE 0/1 Set Mute Status 0=UNMUTE, 1=MUTE SPOW 0/1 Set Power Status 0=UNMUTE, 1=MUTE SPOW 0/1 Set Power Status 0=Power off, 1=Power on RVER SPEL Set Re-Link 0=Power off, 1=Power on RVER SREL Set Re-Link 0 RMNC 1-4 Request Version TV WALL M Value TV WALL N Value SMNC M N 0-4 Set TV Wall Value TV WALL M Value TV WALL N Value SMNC M N 0-4 Set TV Wall Output Value Output 1-4 SCO 1-4 Y Request Output TV Wall Position Output 1-4 SCO 1-4 Y Set Output TV Wall Position Output 1-4, TV Wall position(M*N) RCBH 1-4 Request V Bezel Value Output 1-4, H Bezel Value Output 1-4, H Bezel Value RCBV 1-4 Request V Bezel Value Output 1-4, V Bezel Value Output 1-4, V Bezel Value TV Wall SEEZ 0/1 Set Eozel Status Output 1-4, V Bezel Value				MA000~255
Emerine (continued) Request Mute Status 0=UNMUTE, 1=MUTE RMUTE Request Mute Status 0=UNMUTE, 1=MUTE SMUTE 0/1 Set Mute Status 0=UNMUTE, 1=MUTE SMUTE 0/1 Set Mute Status 0=UNMUTE, 1=MUTE SPOW 0/1 Set Power Status 0=UNMUTE, 1=MUTE SPOW 0/1 Set Power Status 0=Dever off, 1=Power on RVER Request Version 0=Power off, 1=Power on SREL Set Re-Link 0 SDEF default TV WALL M Value RMNC 1-4 Request TV Wall Value TV WALL M Value SMNC M N 0-4 Set TV Wall Output Output 1-4 SCO 1-4 Y Request Output TV Wall Position Output 1-4 SCBH 1-4 Request H Bozel Value Output 1-4, TV Wall position(MFN) RCBH 1-4 Request H Bozel Value Output 1-4, H Bezel value SCBH 1-4 0-255 Set Output H Bezel Value Output 1-4, H Bezel value RCBV 1-4 Request V Bozel Value Output 1-4, V Bezel value SCBV 1-4 0-255 Set Output V Bezel Value Output 1-4, V Bezel value RBEZ Request Bezel Value Output 1-4, V Bezel value SBEZ 0/1 Set Bezel Status 0=Bezel off, 1=Bezel on	Ethernet (continued)	RLINK		MA010~255
System RMUTE Request Mute Status 0=UNMUTE, 1=MUTE RMUTE Request Mute Status 0=UNMUTE, 1=MUTE SMUTE 0/1 Set Power Status 0=Dewer off, 1=Power on RVER Request Version SEE SEEL Set Re-Link TV Wall Value SDEF Reset to factory default RMNC 1-4 Request V Wall Value TV WALL M Value SMNC M N 0-4 Set TV Wall Output Vulut 1-4 SCO 1-4 Request Output TV Output 1-4 RCO 1-4 Set Output TV Wall Output 1-4, TV Wall SCO 1-4 Y Request H Output 1-4 SCO 1-4 Y Request H Output 1-4, TV Wall SCBH 1-4 0-255 Set Output TV Wall Output 1-4, H Bezel Value SCBV 1-4 Request V Output 1-4, H Bezel Value REV 1-4 Request V Output 1-4, H Bezel Value SEE 0/1 Set Output V Bezel Output 1-4, V Bezel Value Reguest V Bezel Value <td>Ethemet (continued)</td> <td rowspan="2"></td> <td>MA020~255</td>	Ethemet (continued)			MA020~255
System RMUTE Request Mute Status 0=UNMUTE, 1=MUTE SMUTE 0/1 Set Mute Status 0=UNMUTE, 1=MUTE SPOW 0/1 Set Power Status 0=UNMUTE, 1=MUTE SPOW 0/1 Set Power Status 0=Dever off, 1=Power on RVER Request Version SEE SREL Set Re-Link TV WALL M Value SMC M N 0-4 Set TV Wall Value TV WALL M Value SMNC M N 0-4 Set TV Wall Output Value TV WALL M Value SMC M N 0-4 Set TV Wall Output Value TV WALL M Value SCO 1-4 Y Request Output TV Wall Position Output 1-4 SCO 1-4 Y Set Output H Bezel Value Output 1-4, H Bezel Value SCBH 1-4 0-255 Set Output H Bezel Value Output 1-4, H Bezel Value RCBV 1-4 Request V Bezel Value Output 1-4, H Bezel Value RCBV 1-4 Request V Bezel Value Output 1-4, H Bezel Value REEZ Request Bezel Value Output 1-4, V Bezel Value RBEZ Request Bezel Value Output 1-4, V Bezel Value RBEZ Request Bezel Status 0=Bezel off, 1=Bezel on SBEZ 0/1 Set Bezel Status 0=Bezel off, 1=Bezel on				MAU30~255
System RMUTE Request Mute Status 0=UNMUTE, 1=MUTE SMUTE 0/1 Set Mute Status 0=UNMUTE, 1=MUTE SMUTE 0/1 Set Mute Status 0=UNMUTE, 1=MUTE SPOW 0/1 Set Power Status 0=Dower off, 1=Power on RVER Request Version 0=SEL SREL Set Re-Link 0=SEEL RMNC 1-4 Request Version TV WalL M Value SMNC M N 0-4 Set TV Wall Value TV WALL M Value SMNC M N 0-4 Set TV Wall Output Value Output 1-4 RCO 1-4 Request Output TV Wall Position Output 1-4 SCO 1-4 Y Set Output TV Wall Position Output 1-4 SCBH 1-4 Request H Bezel Value Output 1-4, TV Wall position(M*N) RCBV 1-4 Request V Bezel Value Output 1-4, H Bezel value RCBV 1-4 Request V Bezel Value Output 1-4, H Bezel value RCBV 1-4 Request V Bezel Value Output 1-4, V Bezel value REEZ Set Output V Bezel Value Output 1-4, V Bezel value RBEZ Request Bezel Status 0=Bezel off, 1=Bezel on SBEZ 0/1 Set Bezel Status 0=Bezel off, 1=Bezel on				GA000~255
RMUTE Request Mute Status 0=UNMUTE, 1=MUTE SMUTE 0/1 Set Mute Status 0=UNMUTE, 1=MUTE SMUTE 0/1 Set Mute Status 0=UNMUTE, 1=MUTE SPOW 0/1 Set Power Status 0=Power off, 1=Power on SPOW 0/1 Set Power Status 0=Power off, 1=Power on RPCW Request Version 0=Status SDEF Request Version 0=NNC 1=Qower off, 1=Power on RVER Request Version 0=Vower off, 1=Power on SDEF Rest to factory default 0=Vower off, 1=Power on RWNC 1=-4 Request Version VWALL M Value SMNC M N 0=4 Set TV Wall Value TV WALL N Value SMNC M N 0=4 Set Output TV Output 1=4 RCO 1=-4 Request Output TV Output 1=4 SCO 1=-4 Y Set Output TV Wall Output 1=4 SCO 1=-4 Y Set Output TV Wall Output 1=4 SCBH 1=4 Request H Output 1=4 SCBH 1=4 Request V Output 1=4 SCBV 1=4 Request V Output 1=4 Value <				GA020~255
RMUTE Request Mute Status 0=UNMUTE SMUTE 0/1 Set Mute Status 0=UNMUTE, 1=MUTE SMUTE 0/1 Set Mute Status 0=UNMUTE, 1=MUTE RPOW Request Power Status 0=UNMUTE, 1=MUTE SPOW 0/1 Set Power Status 0=Dower off, 1=Power on RVER 0=Dower off, 1=Power on RVER SREL Set Re-Link 0=Dower off, 1=Power on RVER TV WALL N Value SMINC 1-4 Request Version TV WALL N Value SMIC 1-4 Request TV Wall Value TV WALL N Value SMIC 0 1-4 Request Output Value Output 1-4 SCO 1-4 Y Request Output TV Wall Position Output 1-4 SCO 1-4 Y Set Output TV Wall Position Output 1-4 SCO 1-4 Y Request H Bezel Value Output 1-4 SCBH 1-4 Request V Bezel Value Output 1-4, H Bezel value RCBV 1-4 Request V Bezel Value Output 1-4, H Bezel value RCBV 1-4 Request V Bezel Value Output 1-4, H Bezel value REZ Set Output V Bezel Value Output 1-4, V Bezel value RBEZ Request Bezel Status				GA030~255
System SMUTE 0/1 Set Mute Status 0=04WH01E, 1=MUTE RPOW Request Power Status 0=UNMUTE, 1=MUTE SPOW 0/1 Set Power Status 0=Dewer off, 1=Power on RVER Request Version Request Version SREL Set Re-Link Rest to factory default TV WALL M Value TV WALL N Value SMNC 1-4 Request TV Wall Value default TV WALL M Value TV WALL N Value Output 1-4 SMNC M N 0-4 Set TV Wall Output Value Output 1-4 RCO 1-4 Request Output TV Wall Position Output 1-4 SCO 1-4 Y Set Output TV Wall Position Output 1-4, TV Wall position(M*N) RCBH 1-4 Request H Bezel Value Output 1-4, H Bezel value SCBH 1-4 0-255 Set Output H Bezel Value Output 1-4, H Bezel value RCBV 1-4 Request V Bezel Value Output 1-4, V Bezel value RCBV 1-4 Request V Bezel Value Output 1-4, V Bezel value REZ Request Bezel Status 0=Bezel off, 1=Bezel on SEEZ 0/1 SET DV1 Set Bezel Status 0=Bezel off, 1=Bezel on		RMLITE	Request Muto Status	
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RPOW Request Power Status 0=UNMUTE, 1=MUTE SPOW 0/1 Set Power Status 0=Power off, 1=Power on RVER 0=Power off, 1=Power on RVER SREL Set Re-Link 0 SDEF default TV Wall Value RMNC 1-4 Request V Wall Value TV WALL M Value TV WALL N Value SMNC M N 0-4 Set TV Wall Output Value TV Wall N Value Output 1-4 RCO 1-4 Request Output TV Wall Position Output 1-4 SCO 1-4 Y Set Output TV Wall Position Output 1-4 RCBH 1-4 Request H Bezel Value Output 1-4 SCBH 1-4 0-255 Set Output H Bezel Value Output 1-4 RCBV 1-4 Request V Bezel Value Output 1-4 SCBV 1-4 0-255 Set Output V Bezel Value Output 1-4 REZ Set Output V Bezel Value Output 1-4 REZ Request bezel Value Output 1-4, V Bezel value RBEZ Request Bezel Status 0=Bezel off, 1=Bezel on SBEZ 0/1 Set Bezel Status 0=Bezel off, 1=Bezel on			Set Mute Status	
System Status 0=Power off, 1=Power on RVER Request Version 0 SREL Set Re-Link 1 SDEF default TV WALL M Value RMNC 1~4 Request TV Wall Value TV WALL M Value SMNC M N 0~4 Set TV Wall Output TV WALL N Value SMNC M N 0~4 Set TV Wall Output VWALL N Value RCO 1~4 Request Output TV Output 1~4 RCO 1~4 Request Output TV Wall Output 1~4 SCO 1~4 Y Set Output TV Wall Output 1~4 SCO 1~4 Y Set Output TV Wall Output 1~4 SCO 1~4 Y Request H Output 1~4 SCBH 1~4 Request V Output 1~4 SCBH 1~4 Request V Output 1~4 SCBH 1~4 0~255 Set Output H Bezel Output 1~4 RCBV 1~4 Request V Output 1~4 SCBV 1~4 0~255 Set Output V Bezel Output 1~4 REZ Request V Output 1~4 Bezel Value Output 1~4 Set Output V Bezel TV Wall SEE 0/1 Set Bezel Status 0=Bezel off, 1=Bezel on		RPOW	Request Power	0=UNMUTE, 1=MUTE
System SPOW 0/1 Set Power Status 0=Power off, 1=Power off RVER Request Version SREL Set Re-Link SREL Set Re-Link Reset to factory default SDEF RMINC 1~4 Request TV Wall Value TV WALL M Value SMNC M N 0~4 Set TV Wall Output TV WALL N Value SMNC M N 0~4 Set TV Wall Output TV WALL N Value RCO 1~4 Request Output TV Output 1~4 RCO 1~4 Request Output TV Wall Position Output 1~4 SCO 1~4 Y Set Output TV Wall Output 1~4, TV Wall position(M*N) RCBH 1~4 Request H Output 1~4 SCBH 1~4 0~255 Set Output H Bezel Value Output 1~4, H Bezel value RCBV 1~4 Request V Output 1~4, H Bezel value SCBV 1~4 0~255 Set Output V Bezel Value Output 1~4, V Bezel value RCBV 1~4 Request V Output 1~4, V Bezel value SCBV 1~4 0~255 Set Output V Bezel Value Output 1~4, V Bezel value REEZ Request Bezel Status 0=Bezel off, 1=Bezel on SBEZ 0/1 Set Bezel Status 0=Bezel off, 1=Bezel on		000111.014	Status	
RVER Request Version SREL Set Re-Link SDEF Reset to factory default RMNC 1~4 Request TV Wall Value TV WALL M Value SMNC M N 0~4 Set TV Wall Output Value TV WALL M Value TV WALL N Value Output 1-4 RC0 1~4 Request Output TV Wall Position Output 1-4 SC0 1~4 Y Set Output TV Wall Position Output 1-4, TV Wall position(M*N) RCBH 1~4 Request H Bezel Value Output 1-4, H Bezel Value SCBH 1~4 0~255 Set Output H Bezel Value Output 1-4, H Bezel value RCBV 1~4 Request V Bezel Value Output 1-4, H Bezel value SCBV 1~4 Request V Bezel Value Output 1-4 SCBV 1~4 Request V Bezel Value Output 1-4, V Bezel value SCBV 1~4 Set Output V Bezel Value Output 1-4, V Bezel value RBEZ Request Bezel Status O=Bezel off, 1=Bezel on Status REEZ 0/1 Set Bezel Status Unit model NO. Setting		SPOW 0/1	Set Power Status	0=Power off, 1=Power on
SREL Set Re-Link System Reset to factory default TV WALL M Value RMNC 1-4 Request TV Wall Value TV WALL M Value TV WALL N Value SMNC M N 0-4 Set TV Wall Output Value TV WALL M Value Output 1-4 SMNC 1-4 Request Output Value Output 1-4 RCO 1-4 Request Output TV Wall Position Output 1-4, TV Wall position(M*N) RCBH 1-4 Set Output TV Wall Position Output 1-4, TV Wall position(M*N) RCBH 1-4 Request H Bezel Value Output 1-4 SCBH 1-4 0-255 Set Output H Bezel Value Output 1-4, H Bezel value RCBV 1-4 Request V Bezel Value Output 1-4, Wezel value SCBV 1-4 0-255 Set Output V Bezel Value Output 1-4, V Bezel value RBEZ Request Bezel Status Output 1-4, V Bezel value SBEZ 0/1 Set Bezel Status 0=Bezel off, 1=Bezel on		RVER	Request Version	
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System SDEF Request TV Wall Value TV WALL M Value SMNC 1-4 Request TV Wall Output TV WALL N Value SMNC M N 0~4 Set TV Wall Output Output 1~4 RCO 1-4 Request Output TV Output 1~4 RCO 1-4 Request Output TV Wall Output 1~4 SCO 1-4 Y Set Output TV Wall Output 1~4, TV Wall RCBH 1-4 Request H Output 1~4 SCBH 1-4 0-255 Set Output H Bezel Output 1~4, H Bezel Value RCBV 1-4 Request V Output 1~4, H Bezel SCBV 1-4 0-255 Set Output V Bezel Output 1~4, H Bezel RCBV 1-4 Request V Output 1~4 SCBV 1-4 0-255 Set Output V Bezel Output 1~4, V Bezel RBEZ Request V Output 1~4, V Bezel SCBV 1-4 0-255 Set Output V Bezel Output 1~4, V Bezel Value SEE 0/1 Set Bezel Output 1~4, V Bezel RBEZ Request Bezel Status 0=Bezel off, 1=Bezel on SBEZ 0/1 Set Bezel Status 0=Bezel off, 1=Bezel on			Boost to factory	
System SDEF Default RMNC 1~4 Request TV Wall Value TV WALL M Value TV WALL N Value Output 1~4 SMNC M N 0~4 Set TV Wall Output Value TV WALL M Value Output 1~4 RCO 1~4 Request Output TV Wall Position Output 1~4 SCO 1~4 Y Set Output TV Wall Position Output 1~4, TV Wall position(M*N) RCBH 1~4 Request H Bezel Value Output 1~4, H Bezel value SCBH 1~4 0~255 Set Output H Bezel Value Output 1~4, H Bezel value RCBV 1~4 Request V Bezel Value Output 1~4, H Bezel value RCBV 1~4 Request V Bezel Value Output 1~4, H Bezel value RCBV 1~4 Request V Bezel Value Output 1~4, V Bezel value SCBV 1~4 0~255 Set Output V Bezel Value Output 1~4, V Bezel value TV Wall SBEZ 0/1 Set Bezel Status O=Bezel off, 1=Bezel on			default	
System RMNC 1~4 Request TV Wall Value TV WALL M Value SMNC M N 0~4 Set TV Wall Output Value TV WALL N Value Output 1~4 RCO 1~4 Request Output TV Wall Position Output 1~4 SCO 1~4 Y Set Output TV Wall Position Output 1~4, TV Wall position(M*N) RCBH 1~4 Request H Bezel Value Output 1~4 SCBH 1~4 0~255 Set Output H Bezel Value Output 1~4, H Bezel value RCBV 1~4 Request V Bezel Value Output 1~4, H Bezel value RCBV 1~4 Set Output V Bezel Value Output 1~4, V Bezel value RCBV 1~4 Bezel Value Output 1~4, V Bezel value REEZ Set Output V Bezel Value Output 1~4, V Bezel value RBEZ Request Bezel Status O=Bezel off, 1=Bezel on SBEZ 0/1 Set Bezel Status Unit model NO. Setting		SDEF		
System SMNC M N 0-4 Set TV Wall Output Value TV WALL N Value Output 1-4 RC0 1~4 Request Output TV Wall Position Output 1-4 SC0 1~4 Y Set Output TV Wall Position Output 1-4, TV Wall position(M*N) RCBH 1~4 Request H Bezel Value Output 1-4, H Bezel value SCBH 1~4 0~255 Set Output H Bezel Value Output 1-4, H Bezel value RCBV 1~4 Request V Bezel Value Output 1-4, H Bezel value RCBV 1~4 Request V Bezel Value Output 1-4 SCBV 1~4 0~255 Set Output V Bezel Value Output 1-4, V Bezel value TV Wall SEZ 0/1 Set Bezel Status Output 1~4, V Bezel value BEZ 0/1 Set Bezel Status O=Bezel off, 1=Bezel on Value		RMNC 1~4	Request TV Wall Value	TV WALL M Value
Shinke in No.4 Value Output 1-4 RC0 1-4 Request Output TV Wall Position Output 1-4 SCO 1-4 Y Set Output TV Wall Position Output 1-4, TV Wall position(M*N) RCBH 1-4 Request H Bezel Value Output 1-4, HBezel value SCBH 1-4 0~255 Set Output H Bezel Value Output 1-4, HBezel value RCBV 1-4 Request V Bezel Value Output 1-4, HBezel value RCBV 1-4 Request V Bezel Value Output 1-4, HBezel value RCBV 1-4 Request V Bezel Value Output 1-4, VBezel value RBEZ Request Bezel Status Output 1-4, VBezel value RBEZ Request Bezel Status 0=Bezel off, 1=Bezel on Status Request Device's Model Unit model NO. Setting	System		Set TV Wall Output	TV WALL N Value
RCO 1~4 Request Output TV Wall Position Output 1~4 SCO 1~4 Y Set Output TV Wall Position Output 1~4, TV Wall position(M*N) RCBH 1~4 Request H Bezel Value Output 1~4 SCBH 1~4 0~255 Set Output H Bezel Value Output 1~4, H Bezel value RCBV 1~4 Request V Bezel Value Output 1~4, H Bezel value RCBV 1~4 Request V Bezel Value Output 1~4 SCBV 1~4 0~255 Set Output V Bezel Value Output 1~4 SCBV 1~4 0~255 Set Output V Bezel Value Output 1~4, V Bezel value RBEZ Request Bezel Status Output 1~4, V Bezel value SBEZ 0/1 Set Bezel Status 0=Bezel off, 1=Bezel on Status		SIVING IVI IN 0~4	Value	Output 1~4
RCO 1~4 Nequest Output 1 v Output 1~4 SCO 1~4 Y Set Output TV Wall Position Output 1~4, TV Wall position(M*N) RCBH 1~4 Request H Bezel Value Output 1~4, H Bezel value SCBH 1~4 0~255 Set Output H Bezel Value Output 1~4, H Bezel value RCBV 1~4 Request V Bezel Value Output 1~4, H Bezel value SCBV 1~4 0~255 Set Output V Bezel Value Output 1~4, H Bezel value SCBV 1~4 0~255 Set Output V Bezel Value Output 1~4, V Bezel value RBEZ Request Bezel Status Output 1~4, V Bezel value RBEZ Request Bezel Status Output 1~4, V Bezel value SBEZ 0/1 Set Bezel Status 0=Bezel off, 1=Bezel on Status			Request Output TV Wall Position	
RC0 1~4 Num roution Sc0 1~4 Y Set Output TV Wall Position Output 1~4, TV Wall position(M*N) RCBH 1~4 Request H Bezel Value Output 1~4 SCBH 1~4 0~255 Set Output H Bezel Value Output 1~4, H Bezel value RCBV 1~4 Request V Bezel Value Output 1~4 SCBV 1~4 Request V Bezel Value Output 1~4 SCBV 1~4 0~255 Set Output V Bezel Value Output 1~4 RBEZ Request Bezel Status Output 1~4, V Bezel value RBEZ Request Bezel Status Output 1~4, V Bezel value SBEZ 0/1 Set Bezel Status 0=Bezel off, 1=Bezel on				Output 1~4
SCO 1~4 Y Set Output TV Wall Position Output 1~4, TV Wall position(M*N) RCBH 1~4 Request H Bezel Value Output 1~4 SCBH 1~4 0~255 Set Output H Bezel Value Output 1~4, H Bezel value RCBV 1~4 Request V Bezel Value Output 1~4, W Bezel value SCBV 1~4 0~255 Set Output V Bezel Value Output 1~4, V Bezel value SCBV 1~4 0~255 Set Output V Bezel Value Output 1~4, V Bezel value RBEZ Request Bezel Status Output 1~4, V Bezel value SBEZ 0/1 Set Bezel Status 0=Bezel off, 1=Bezel on Status		RCO 1~4		
SCO 1~4 Y Position Position RCBH 1~4 Request H Bezel Value Output 1~4 SCBH 1~4 0~255 Set Output H Bezel Value Output 1~4, H Bezel value RCBV 1~4 Request V Bezel Value Output 1~4, H Bezel value RCBV 1~4 Request V Bezel Value Output 1~4 SCBV 1~4 0~255 Set Output V Bezel Value Output 1~4, V Bezel value REZ Request Bezel Status Output 1~4, V Bezel value RBEZ Request Bezel Status O=Bezel off, 1=Bezel on SBEZ 0/1 Set Bezel Status Unit model NO, Setting		Set Output TV/Wall	Set Output TV Wall	Output 1~4. TV Wall
SCO 1~4 Y Reduest H Output 1~4 RCBH 1~4 Request H Output 1~4 SCBH 1~4 0~255 Set Output H Bezel Output 1~4, H Bezel Value Request V Output 1~4, H Bezel RCBV 1~4 Request V Output 1~4 SCBV 1~4 0~255 Set Output V Bezel Output 1~4 SCBV 1~4 0~255 Set Output V Bezel Output 1~4, V Bezel Value REZ Request Output 1~4, V Bezel RBEZ Request Bezel Status 0=Bezel off, 1=Bezel on SBEZ 0/1 Set Bezel Status 0=Bezel off, 1=Bezel on			Position	position(M*N)
RCBH 1~4 Request H Bezel Value Output 1~4 SCBH 1~4 0~255 Set Output H Bezel Value Output 1~4, H Bezel value RCBV 1~4 Request V Bezel Value Output 1~4, SCBV 1~4 0~255 Set Output V Bezel Value Output 1~4, SCBV 1~4 0~255 Set Output V Bezel Value Output 1~4, RBEZ Request Bezel Status Output 1~4, SBEZ 0/1 Set Bezel Status 0=Bezel off, 1=Bezel on		SCO 1~4 Y		
Bezel Value Output 1~4, H Bezel SCBH 1~4 0~255 Set Output H Bezel Output 1~4, H Bezel RCBV 1~4 Request V Output 1~4 SCBV 1~4 0~255 Set Output V Bezel Output 1~4, V Bezel SCBV 1~4 0~255 Set Output V Bezel Output 1~4, V Bezel RBEZ Request Output 1~4, V Bezel SBEZ 0/1 Set Bezel Status 0=Bezel off, 1=Bezel on Request Device's Model Unit model NO. Setting		RCBH 1~4	Request H	Output 1~4
SCBH 1~4 0~255 Set Output H Bezel Value Output 1~4, H Bezel value RCBV 1~4 Request V Bezel Value Output 1~4 SCBV 1~4 0~255 Set Output V Bezel Value Output 1~4, V Bezel value TV Wall RBEZ Request Bezel Status Output 1~4, V Bezel value SBEZ 0/1 Set Bezel Status Output 1~4, V Bezel value Request Device's Model Unit model NO. Setting			Bezel Value	-
Value Value RCBV 1~4 Request V Bezel Value Output 1~4 SCBV 1~4 0~255 Set Output V Bezel Value Output 1~4, V Bezel value TV Wall RBEZ Request Bezel Status Output 1~4, V Bezel value SBEZ 0/1 Set Bezel Status 0=Bezel off, 1=Bezel on Request Device's Model Unit model NO. Setting		SCBH 1~4 0~255	Set Output H Bezel	Output 1~4, H Bezel
RCBV 1~4 Request V Bezel Value Output 1~4 SCBV 1~4 0~255 Set Output V Bezel Value Output 1~4, V Bezel value TV Wall RBEZ Request Bezel Status Output 1~4, V Bezel value SBEZ 0/1 Set Bezel Status 0=Bezel off, 1=Bezel on Request Device's Model Unit model NO, Setting			Value	value
Bezel Value Output 1 - 4 SCBV 1~4 0~255 Set Output V Bezel Value Output 1~4, V Bezel value RBEZ Request Bezel Status Output 1~4, V Bezel value SBEZ 0/1 Set Bezel Status 0=Bezel off, 1=Bezel on Request Device's Model Unit model NO. Setting	TV Wall	RCBV 1~4	Request V	Output 1~4
SCBV 1~4 0~255 Set Output V Bezel Value Output 1~4, V Bezel value TV Wall RBEZ Request Bezel Status 0=Bezel off, 1=Bezel on SBEZ 0/1 Set Bezel Status O=Bezel off, 1=Bezel on			Bezel Value	
SCBV 1~4 0~255 Output V Doctor Output 1~4, V Bezel Value Value Value RBEZ Request Bezel Status SBEZ 0/1 Set Bezel Request Device's Model Unit model NO. Setting			Set Output V Bezel	
RBEZ Request Bezel Status 0=Bezel off, 1=Bezel on SBEZ 0/1 Set Bezel Status 0=Bezel off, 1=Bezel on		SCBV 1~4 0~255	Value	Output 1~4, V Bezel
RBEZ Request Bezel Status 0=Bezel off, 1=Bezel on SBEZ 0/1 Set Bezel Status 0=Bezel off, 1=Bezel on Request Device's Model Unit model NO, Setting				value
TV Wall Bezel Status 0=Bezel off, 1=Bezel on SBEZ 0/1 Set Bezel Status 0=Bezel off, 1=Bezel on Request Device's Model Unit model NO. Setting		RBEZ	Request	0=Bezel off, 1=Bezel on
SBEZ 0/1 Set Bezel Status Set Bezel Unit model NO. Setting			Bezel Status	
Status Request Device's Model Unit model NO. Setting			Set Bezel	
Request Device's Model Unit model NO. Setting			Status	
Unit model NO. Setting			Request Device's Model	
No Summer States and S			No	Unit model NO. Setting
RMDN be 1~255		RMDN		be 1~255
SMDN 0~255 Set Device's Model No.		SMDN 0~255	Set Device's Model No.	
SWDE Reset TV Wall Value		SWDE	Reset TV Wall Value	
SHOT 0~23 Set Hot Setting 0=1x1, 1=2x2,		SHOT 0~23	Set Hot Setting	0=1x1 , 1=2x2,

Item	Command	Description	Parameter
			2=3x3, 3=4x4,
			4=5x5, 5=6x6,
			6=2x3, 7=3x2,
			8=3x4, 9=4x2,
			10=4x3, 11=4x5,
			12=1x2, 13=2x1,
			14=1x3, 15=3x1,
			16=1x4, 17=4x1,
			18=2x4, 19=3x5,
			20=5x4, 21=5x3,
			22=6x2, 23=6x3
	SFAVE 1~5	Save Favorite Setting	
TV Wall (continued)	RFAVE 1~5	Recall Favorite	
		Setting	
	RBY	Request Bypass	0=non Bypass, - 1=Bypass
		Setting	
	SBY 0/1	Set Bypass Setting	

Telnet Control

Before attempting to use the Telnet control, please ensure that both the Scaler (via the 'CONTROL' port) and the PC/Laptop are connected to the same active network.

To access the Telnet control in Windows 7/10, click on the 'Start' menu and type "cmd" in the Search field then press enter Under Windows XP go to the 'Start' menu and click on "Run", type "cmd" with then press enter.

Under Mac OS X, go to Go→Applications→Utilities→Terminal

Once in the command line interface (CLI) type "telnet", then the "IP address" of the Scaler and hit enter. Only when the Telnet port (device port) is not set to 23 will the number "device port" then need to be entered after IP address (device IP) and before hit enter.

Administrator: C:\Windows\system32\cmd.exe	×
Microsoft Windows [Version 6.1.7600] Copyright (c) 2009 Microsoft Corporation. All rights reserved.	<u>^</u>
C:\Users\CYP>telnet 192.168.5.80 23_	

This will bring us into the device which we wish to control. Type "HELP" to list the available commands.

Please Note: All the commands will be not executed unless followed by a carriage return. Commands are case-insensitive. If the IP is changed then the IP Address required for Telnet access will also change accordingly.

CE/FCC Statement

CE Certification

This equipment complies with the requirements relating to Electromagnetic Compatibility Standards EN55022/EN55024 and the further standards cited therein. It must be used with shielded cables only. It has been manufactured under the scope of RoHS compliance.

CE Konformitätserklärung

Dieses Produkt entspricht den einschlägigen EMV Richtlinien der EU für IT-Equipment und darf nur zusammen mit abgeschirmten Kabeln verwendet werden.

Diese Geräte wurden unter Berücksichtigung der RoHS Vorgaben hergestellt.

Die formelle Konformitätserklärung können wir Ihnen auf Anforderung zur Verfügung stellen

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 modification 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.

LINDY Herstellergarantie – Hinweis für Kunden in Deutschland

LINDY gewährt für dieses Produkt über die gesetzliche Regelung in Deutschland hinaus eine zweijährige Herstellergarantie ab Kaufdatum. Die detaillierten Bedingungen dieser Garantie finden Sie auf der LINDY Website aufgelistet bei den AGBs.

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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 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.

Germany / Deutschland

Die Europäische Union hat mit der WEEE Direktive Regelungen für die Verschrottung und das Recycling von Elektro- und Elektronikprodukten geschaffen. Diese wurden im Elektro- und Elektronikgerätegesetz – ElektroG in deutsches Recht umgesetzt. Dieses Gesetz verbietet das Entsorgen von entsprechenden, auch alten, Elektro- und Elektronikgeräten über die Hausmülltonne! Diese Geräte müssen den lokalen Sammelsystemen bzw. örtlichen Sammelstellen zugeführt werden! Dort werden sie kostenlos entgegen genommen. Die Kosten für den weiteren Recyclingprozess übernimmt die Gesamtheit der Gerätehersteller.

France

En 2006, l'union Européenne a introduit la nouvelle réglementation (DEEE) pour le recyclage de tout équipement électrique et électronique.

Chaque Etat membre de l'Union Européenne a mis en application la nouvelle réglementation DEEE de manières légèrement différentes. Veuillez suivre le décret d'application correspondant à l'élimination des déchets électriques ou électroniques de votre pays.

Italy

Nel 2006 l'unione europea ha introdotto regolamentazioni (WEEE) per la raccolta e il riciclo di apparecchi elettrici ed elettronici. Non è più consentito semplicemente gettare queste apparecchiature, devono essere riciclate. Ogni stato membro dell' EU ha tramutato le direttive WEEE in leggi statali in varie misure. Fare riferimento alle leggi del proprio Stato quando si dispone di un apparecchio elettrico o elettronico.

Per ulteriori dettagli fare riferimento alla direttiva WEEE sul riciclaggio del proprio Stato.

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