

ITEM No. WST-PMX002 Command List

Telnet Control & RS-232 Protocol

Before attempting to use Telnet control, please ensure that both the unit and the PC are connected to the same active networks. Start your preferred Telnet/Console client, or use the built in client provided by most modern computer operating systems. After starting the client, connect by using the current IP address of the unit and port 23 (if the communication port number used by the unit has not been changed previously). This will connect us to the unit we wish to control and commands may now be entered directly.

在嘗試使用 Telnet 控制之前，請確保裝置和 PC 連接到相同的網域。

啟動您首選的 Telnet/Console 用戶端，或使用大多數現代電腦作業系統提供的內建用戶端。啟動用戶端後，請使用本機目前的 IP 位址和連接埠 23 進行連線。這會將我們連接到想要控制的設備，現在可以直接輸入命令。

Telnet

The default IP address is 192.168.1.70

通訊埠預設通道：23

Account 帳號：admin

Password 密碼：123

TCP

通訊埠預設通道：9760

RS-232 Protocol

Baud Rate: 115200

Data Bit: 8 bits

Parity: None

Stop Bit: 1 bit

[ASCII]: Telnet and RS-232

Command	Action	Example	Description
ST	Show all mapping	>>ST P01i01 P02i02 P03i03 P04i04	Echo The Mapping

PON	Turn of the Power	>>PON pon	
POFF	Turn off the power	>>POFF poff	
VR	Show Firmware version Information	>>VR 8x8V_FW_1.0.3	Echo Firmware Version
P**i??	p**: Output number i??: Input number / 00 : Close	>>P01i02 P01i02 >>P03i00 P03i00	Set input 2 To Output 1 Set Output 3 to be Closed
EDLD**??	Learn EDID from Default ** to input ??	>>EDLD0103 OK	Learn Default 1 EDID To Input 3
EDLP**??	Learn EDID HDMI Output ** To input ??	>>EDLP0103 OK	Learn Output 1 EDID To Input 3
SMAP**	Save Mapping to Number **	>>SMAP01 Save to Map 1: Success	Save Mapping to Group1
LMAP*	Load Number ** Mapping	>>LMAP03 p01i01 P02i02 P03i03 P04i04	Load Group3 Mapping to Matrix
FSET##	Factory Reset	>>FSET## Set to Default Value	
IP?	Get IP Address	>>IP? IP ...	Get IP information

[Hex code]: RS-232 and TCP

Description:

Len 0x4d 0x41 0x52 0x88 0x43 0x48 0xff Cmd Payload Checksum
2f2

Len: the numbers from Len to Checksum

Cmd: command index

Payload: setting values

Checksum: sum from Len to Payload (Len+2f2+cmd+Payload)

COMMAND
Description and Parameters
0x0b 0x4d 0x41 0x52 0x88 0x43 0x48 0xff 0x00 0xaa 0xa7 Set Power On
0x0b 0x4d 0x41 0x52 0x88 0x43 0x48 0xff 0x00 0x55 0x52 Set Power Off
0x0a 0x4d 0x41 0x52 0x88 0x43 0x48 0xff 0x01 0xfd Get each port information Echo: 0xaa Len p1 p2 p3 p4 p5 p6 p7 p8 s1 s2 s3 s4 s5 s6 s7 s8 Pwd 0x00 ARC Checksum <i>Len: the length from Len to Checksum</i> <i>p1 ~ p8: the mapping of each output port (會顯示目前 Output 所對應 Input)</i> <i>s1 ~ s8: the status of each input port; 1: Source Exist, 0: Source Off</i> <i>Pwd: Power Status; 1: Power On, 0: Power Idle</i> <i>ARC: bit 0 ~ 7 indicate to output 1 ~ 8; 1: Disable Function, 0: Enable Function</i> <i>Checksum: sum from Len to ARC</i> ARC 會顯示成 BIN 碼(由右至左為 out1-out8) · 顯示 1 為關閉 ; 0 為開啟 (BIN 碼可使用小算盤程式設計人員計算)。 例1. 顯示 0xff 為 1111 1111 為 ARC 全關 例2. 顯示 0x8b 為 1000 1011 為 output3、5、6、7 ARC 開啟 例3. 顯示 0xae 為 1010 1110 為 output1、5、7 ARC 開啟

COMMAND
Description and Parameters
0x12 0x4d 0x41 0x52 0x88 0x43 0x48 0xff 0x02 p1 p2 p3 p4 p5 p6 p7 p8 Checksum Set All Port Mapping pX: X indicate to 1 ~ 8 (output port 1 to 8); value from 1 ~ 8 (source 1 to 8) p1-p8 對應 output1-8 的位置，在對應位置上輸入欲選擇 input。如: output6 選擇 input7 (即 p6 位置輸入 0x07) Ex: input7 to output1、input6 to output2、input8 to output3、input9 to output4、input1 to output5 → 0x12 0x4d 0x41 0x52 0x88 0x43 0x48 0xff 0x02 <u>0x07</u> <u>0x06</u> <u>0x08</u> <u>0x09</u> <u>0x01</u> <u>0x01</u> <u>0x01</u> <u>0x28</u> P1 P2 P3 P4 P5 P6 P7 P8 Checksum: 12+2f2+2+7+6+8+9+1+1+1+1=28 Echo: Read Ok: 0xAA Read Fail: 0x55
0x0b 0x4d 0x41 0x52 0x88 0x43 0x48 0xff 0x0a pX Checksum Read EDID from output port pX: Port Number 1 to 8 Echo: Read Ok: 0xAA + 256 byte Hex Value Read Fail: 0x55
0x0b 0x4d 0x41 0x52 0x88 0x43 0x48 0xff 0x0b pX Checksum Read EDID from input port pX: Port Number 1 to 8 Echo: Read Ok: 0xAA + 256 byte Hex Value Read Fail: 0x55
0x0a 0x4d 0x41 0x52 0x88 0x43 0x48 0xff 0x31 0x2d Read Network Information Echo: 0xaa 0x16 IP (4 byte) Mask (4 byte) Gateway (4 byte) DNS1 (4 byte) DNS2 (4 byte) Checksum

COMMAND

Description and Parameters

0x0c 0x4d 0x41 0x52 0x88 0x43 0x48 0xff 0x03 N1 N2 Checksum(N3)

Set Port Mapping

N1 : Output from 1 to 8 or 0xf1(all)

N2 : Input from 1 to 8 or 0xc1; 0xc1 indicate to video output disable (Mute)

0x0c 0x4d 0x41 0x52 0x88 0x43 0x48 0xff 0x03 0xN1 0xN2 0xN3											
檢核碼(N3)			input (N2)								
			1	2	3	4	5	6	7	8	Mute
			01	02	03	04	05	06	07	08	c1
output (N1)	1	01	03	04	05	06	07	08	09	0a	c3
	2	02	04	05	06	07	08	09	0a	0b	c4
	3	03	05	06	07	08	09	0a	0b	0c	c5
	4	04	06	07	08	09	0a	0b	0c	0d	c6
	5	05	07	08	09	0a	0b	0c	0d	0e	c7
	6	06	08	09	0a	0b	0c	0d	0e	0f	c8
	7	07	09	0a	0b	0c	0d	0e	0f	10	c9
	8	08	0a	0b	0c	0d	0e	0f	10	11	ca
	All	f1	f3	f4	f5	f6	f7	f8	f9	fa	b3

Checksum(N3)

Echo:

Read Ok: 0xAA

Read Fail: 0x55

0x0b 0x4d 0x41 0x52 0x88 0x43 0x48 0xff 0x05 0x01 0x03

Get Firmware Version

COMMAND
Description and Parameters
0x0d 0x4d 0x41 0x52 0x88 0x43 0x48 0xff 0x0c Cm1 Cm2 Cm3 Checksum EDID Learning from Cm2 to Cm3 Cm1: 0x06: Read default EDID and Write to input port (source) 0x03: Read output port EDID and Write to input port (source) Cm2: Default EDID 1 to 17; Output Port 1 to 8 Cm3: Input Port 1 to 8 or 0xf1 (all input port) Echo: Read Ok: 0xAA Read Fail: 0x55
0x0a 0x4d 0x41 0x52 0x88 0x43 0x48 0xff 0x20 0x1c Factory Reset