

4X4 HDMI matrix communication protocol

1. RS232 Serial port:

Baud rate: 9600 bps
Stop bits: 1 bit
Data bits: 8 bits
Parity: None
Flow control: No

2. Command strings

2.1 Matrix control commands

Index	Command strings	Parameter description	Remark	Direction
1	MT00SW0000NT		Mirrored output 1 → 1, 2 → 2...	PC → Matrix
2	MT00SW <u>xx</u> 00NT	XX is the input port number (digits 01~04)	1 input to all outputs	PC → Matrix
3	MT00SW <u>xyy</u> NT	XX is the input port number (digits 01~04) ; YY is the output port number (digits 01~04) ;	Connect input XX to output YY	PC → Matrix
4	MT00RD0000NT		Request Matrix return current connection status. (The returned format are described in index 9)	PC → Matrix
5	LINK:O <u>Y</u> I <u>X</u> ;END	X is the input port number (digits 1~4) ; Y is the output port number (digits 1~4) ;	Matrix return current connection status to console	Matrix → PC

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