

RS232 Control Protocol

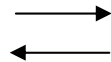
Note: This information is intended for use solely by technically trained individuals.

This HDMI Matrix Switcher may be controlled via RS-232 using the protocol that follows below. This product uses a standard RS-232 interface with the following settings:

- 9600 Baud
- 1 stop bit
- 8 data bits
- no parity

Pin Definitions:

HDMI Matrix Switcher		Control Unit	
PIN	Definition	PIN	Definition
1	NC	1	NC
2	Tx	2	Rx
3	Rx	3	Tx
4	NC	4	NC
5	GND	5	GND
6	NC	6	NC
7	NC	7	NC
8	NC	8	NC
9	NC	9	NC



The RS232 codes used by the DVI-4544b are as follows.

Code	Function
POWER 00	Power Off (Standby)
POWER 01	Power On
PORT 11	Output 1, Select Input 1
PORT 12	Output 1, Select Input 2
PORT 13	Output 1, Select Input 3
PORT 14	Output 1, Select Input 4
PORT 21	Output 2, Select Input 1
PORT 22	Output 2, Select Input 2
PORT 23	Output 2, Select Input 3
PORT 24	Output 2, Select Input 4
PORT 31	Output 3, Select Input 1
PORT 32	Output 3, Select Input 2
PORT 33	Output 3, Select Input 3
PORT 34	Output 3, Select Input 4
PORT 41	Output 4, Select Input 1
PORT 42	Output 4, Select Input 2
PORT 43	Output 4, Select Input 3
PORT 44	Output 4, Select Input 4

NOTE: The unit will transmit these characters when the button on the front of the unit is pressed. For example, if the unit is ON and the Power button is pressed to turn the unit OFF, the switcher will transmit the string "P00" over the RS232 link.

Also when a string is transmitted to the switcher, the switcher will return the same string.