

RS-232 Serial Monitor Control for TD30

Remote control of the TD30 display is managed via commands sent over the serial (RS-232) port.

The serial port should be configured as follows:

Baud Rate: 19200
Parity: None
Data bits: 8
Stop bits: 1
Flow Control: None

To connect to the product the following 11-byte sequence must be sent to the serial port:

0xBE 0xEF 0x10 0x04 0x00 0x60 0x9e 0x5a 0xa5 0x00 0x00

Once connected to the product various settings within the product can be changed using six-byte command sequences in the form of:

SL CM0 CM1 CM2 CM3 CS

Where each element has the following meaning:

SL: Slave Address
CM0: Command Follows
CM1: Command Group
CM2: Command Function
CM3: Command Data
CS: Checksum = $CM0 \oplus CM1 \oplus CM2 \oplus CM3$ (logical XOR of all four command bytes)

See the table below for a list of the available command sequences and their function.

To disconnect from the product the following 6-byte sequence must be sent to the serial port:

0xC0 0x53 0x5A 0x00 0x00 0x09

S e r i a l C o n t r o l C o m m a n d s						
SL	CM0	CM1	CM2	CM3	CS	Command
0xC0	0x53	0x16	0x01	0x00	0x44	Reset NVRAM
0xC0	0x53	0x16	0x02	0x00	0x47	Select Analog RGB Source
0xC0	0x53	0x16	0x03	0x00	0x46	Select Digital RGB Source
0xC0	0x53	0x16	0x04	0x00	0x41	Select S-Video Source
0xC0	0x53	0x16	0x05	0x00	0x40	Select HDTV Source
0xC0	0x53	0x16	0x06	0x00	0x43	Select Composite1 Source
0xC0	0x53	0x16	0x07	0x00	0x42	Select Composite2 Source
0xC0	0x53	0x16	0x08	0x00	0x4D	Select TV Source (Tuner Input)
0xC0	0x53	0x16	0x09	0x00	0x4C	Select Component Source
0xC0	0x53	0x17	0x00	0x00	0x44	Save Data
0xC0	0x53	0x18	0x00	0x00	0x4B	Set Color Temp 9300K
0xC0	0x53	0x18	0x01	0x00	0x4A	Set Color Temp 6500K
0xC0	0x53	0x18	0x03	0x00	0x48	Set Color Temp 5000K
0xC0	0x53	0x18	0x17	0x00	0x5C	Save Data
0xC0	0x53	0x23	0x00	0x00	0x70	Power On
0xC0	0x53	0x24	0x00	0x00	0x77	Power Off
0xC0	0x53	0x5A	0x00	0x00	0x09	Disconnect from TD30