

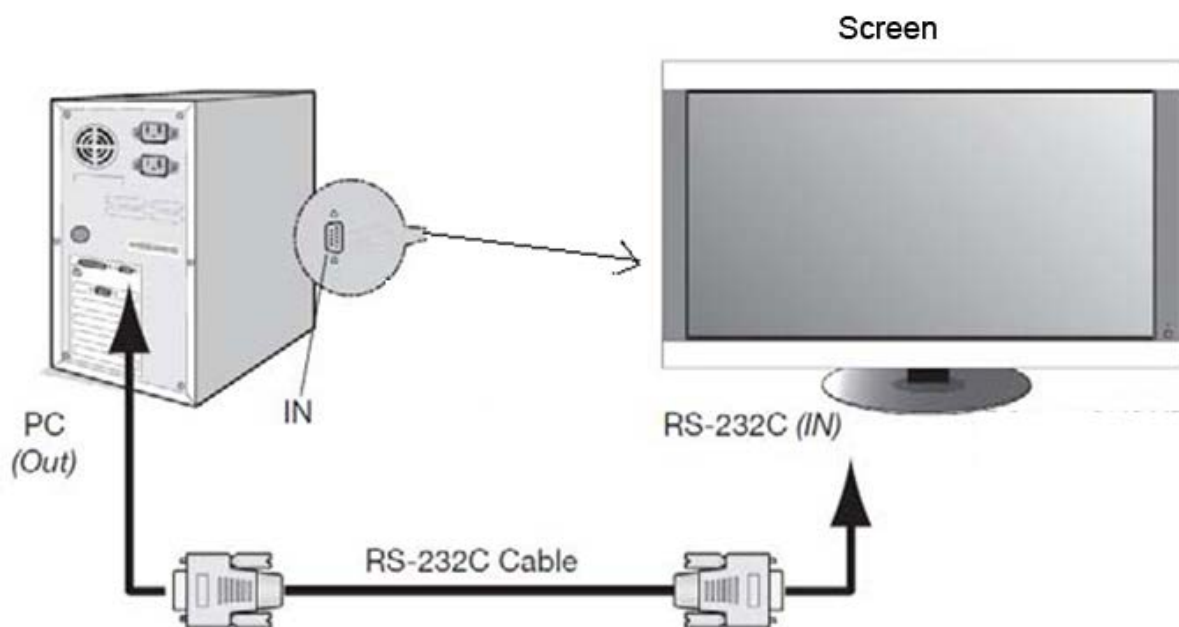
**RS-232 Protocol Specification  
(Professional Monitor 32-55Inch - 3188)  
09.08.2018**

## RS-232 Control

You can control this monitor by using a personal computer with RS-232 terminal. RS-232 data is transmitted between devices through a DUB9 Cable.

## RS-232 Data Flow (using by 9P RS-232 Cable)

You can control this monitor by using a personal computer with RS-232 terminal. RS-232 data is transmitted between devices through a DUB9 Cable.



## COM Port Settings

Protocol	RS-232
Baud Rate	115200bps
Data Bits	8 Bit
Parity Bit	None
Stop Bit	1 Bit
Flow Control	None
Communication Code	HEX

## Control OSD Command Format

The code format needs to be HEX. The RS-232 code can be used to do everything you can do with our remote control unit.

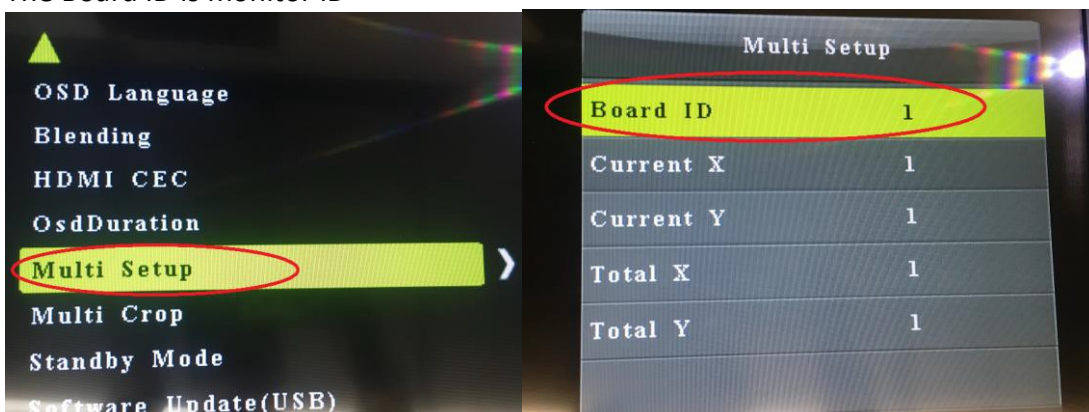
Command	SOH	Message	Message	ID
POWER	89	76	01	01
SOURCE	89	75	01	01
MENU	89	73	01	01
UP	89	63	01	01
DOWN	89	83	01	01
LEFT	89	72	01	01
RIGHT	89	74	01	01
SELECT	89	96	01	01
EXIT	89	84	01	01
1	89	92	01	01
2	89	A2	01	01
3	89	B2	01	01
4	89	93	01	01
5	89	A3	01	01
6	89	B3	01	01
7	89	94	01	01
8	89	A4	01	01
9	89	B4	01	01
0	89	95	01	01
MUTE	89	C1	01	01
VOL+	89	C2	01	01
VOL-	89	C3	01	01

Note: Above code of 'POWER' is for changing the power status of the screen. Please use following code for dedicated control of Power on and off.

Power On	01 30 2A 30 41 30 43 02 43 32 30 33 44 36 30 30 30 31 03 18 0D
Power Off	01 30 2A 30 41 30 43 02 43 32 30 33 44 36 30 30 30 34 03 1D 0D

### 1. How to set the monitor ID

Please press menu button on remote control, and then select on Multi Setup option, then set the Board ID. The Board ID is monitor ID



**2. For direct input switching:**

HDMI	FF 06 41 82 44 11
VGA	FF 06 41 A2 44 11
USB	FF 06 41 C2 44 11

**3. Set Brightness:**

Command	SOH	Message	Message	Message
Set Brightness	0xAE	Monitor_ID	Brightness	0x56

Respond:

OK: 0xF5                      Error: 0xF3

Sample:

Change brightness to 60, monitor ID set as 1

Command: AE 01 3C 56

**4. Screen status check:**

Command	SOH	Message	Message	Message
Status check	0x8E	Monitor_ID	0xA6	0x2C

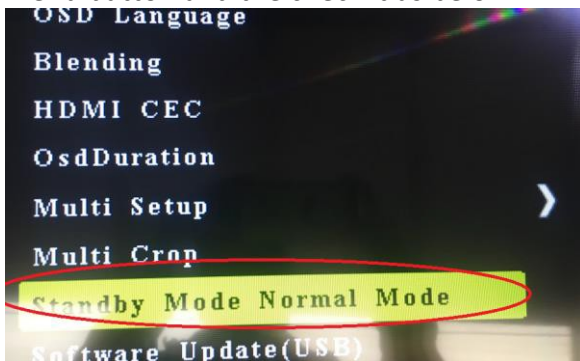
Respond :

0x8E, 0x0B, Monitor ID, Power Status, 01, Source, 01, 01, 01, 01, Sum

**Power Status:**

Power on	0x01
Power off	0x00

Note: If it doesn't work, please make sure the standby mode has been set as normal mode. Please press menu button and the check it as below:



**Source:**

HDMI	0x04
VGA	0x05
AV	0x01
USB	0xFF