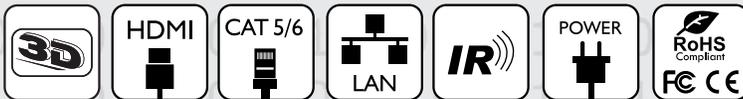




Control Your Video

**VIDEO WALLS VIDEO PROCESSORS  
VIDEO MATRIX SWITCHES  
EXTENDERS SPLITTERS WIRELESS  
CABLES & ACCESSORIES**

## Control Commands



**Model #: SW-HBT-C6IRLT-8X8E**

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# SECTION I: COMMAND PROTOCOL FORMAT (RS-232 SERIAL PORT)

## I. SERIAL PORT SETTING

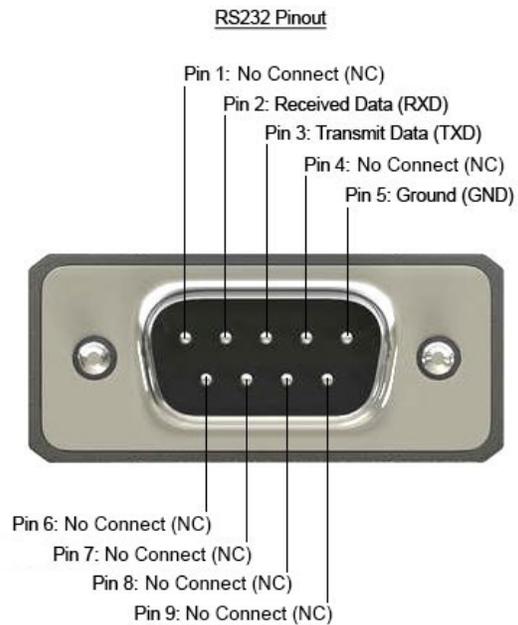
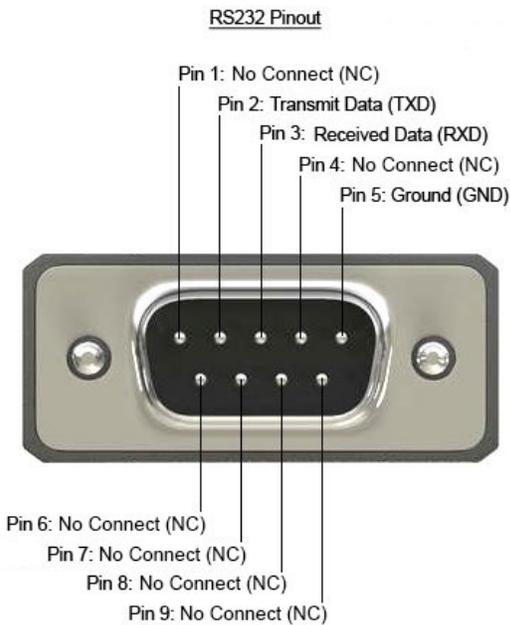
- Baud Rate: 19200 bps
- Data Bit: 8 bits
- Parity: None
- Flow Control: None
- Stop Bit: 1

### RS-232 Wiring (Cross Cable Connection)

SW-HBT-C6IRLT-8X8E	
PIN	Assignment
1	NC
2	TxD
3	RxD
4	NC
5	GND
6	NC
7	NC
8	NC
9	NC

→  
←

Remote Controller(PC)	
PIN	De finition
1	NC
2	RxD
3	TxD
4	NC
5	GND
6	NC
7	NC
8	NC
9	NC



## 2. RS-232 & TELNET COMMANDS

All commands will be not executed unless followed with a carriage return (0x0D) and commands are case sensitive.

Command	Active
<b>A1~A8</b>	Switch Output A to 1~8
<b>B1~B8</b>	Switch Output B to 1~8
<b>C1~C8</b>	Switch Output C to 1~8
<b>D1~D8</b>	Switch Output D to 1~8
<b>E1~E8</b>	Switch Output E to 1~8
<b>F1~F8</b>	Switch Output F to 1~8
<b>G1~G8</b>	Switch Output G to 1~8
<b>H1~H8</b>	Switch Output H to 1~8
<b>ABCD...1~ABCD...8</b>	Switch Output A B C D... to 1~8 at the same time
<b>SETIP &lt;IP&gt; &lt;SubNet&gt; &lt;GW&gt;</b>	Setting IP. SubNet. GateWay (Static IP)
<b>RSTIP</b>	IP Configuration Was Reset To Factory Defaults <DHCP>
<b>IPCONFIG</b>	Display the Current IP Config
<b>P0</b>	Power OFF
<b>P1</b>	Power ON
<b>I1~I8</b>	Switch all the Output to 1~8
<b>ST</b>	Display the current matrix status and F/W version
<b>RS</b>	System Reset to A1, B2, C3, D4, E5, F6, G7, H8
<b>EM</b>	Setting EDID MODE. 1-STD 2-TV
<b>?</b>	Display all the available commands
<b>Quit</b>	Exit(for telnet only)



### 3. TELNET CONTROL

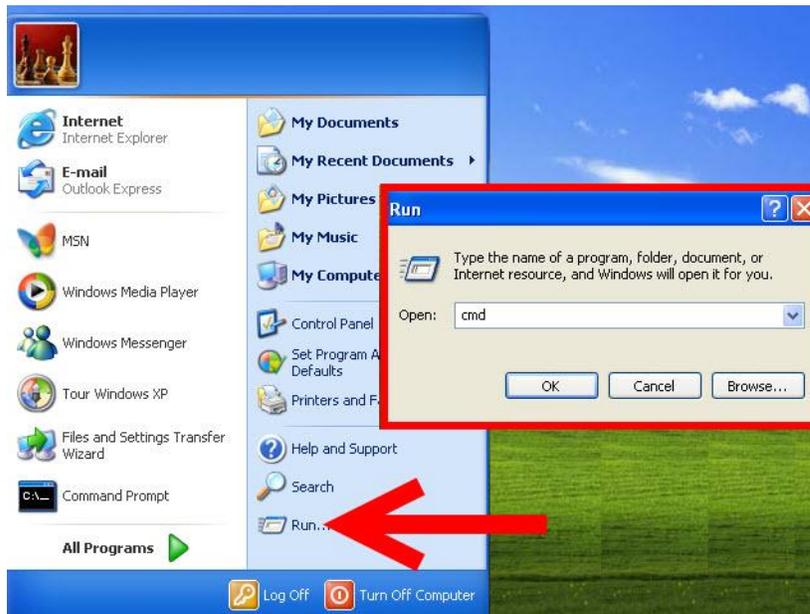
Using TCP/IP protocol, sent to Port 23 for Telnet communication.

The user can confirm from the OSD menu or through RS-232 command to check Telnet connection behavior.

To use the telnet control, please ensure that both the Matrix (via the 'LAN /CONTROL' port) and the PC/Laptop are connected to the active networks not directly connected.

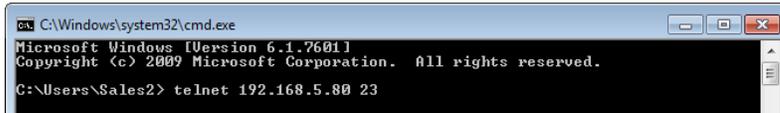
To access the telnet control in Windows 7, click on the 'Start' menu and type "cmd" in the Search field then press enter. Under Windows XP go to the 'Start' menu and click on "Run", type "cmd" with then press enter.

Under Mac OS X, go to Go→Applications→Utilities→Terminal See below for reference.



In the CMD window proceed to type "telnet", then the IP address of the unit and "23", then hit enter/return.

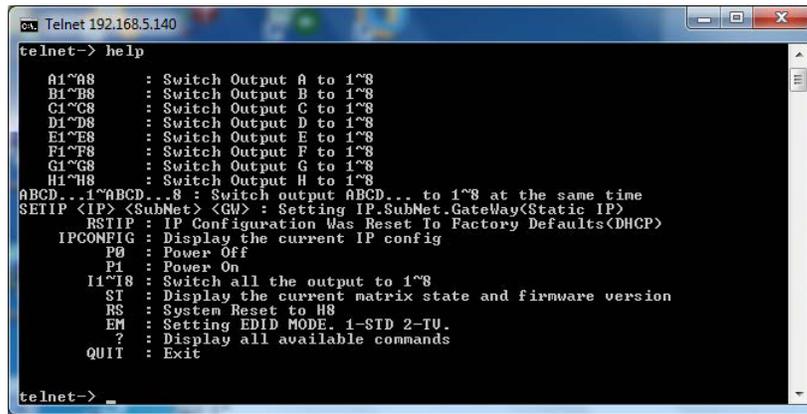
Note: The IP address of the Matrix can be displayed on the device's LCM monitor by pressing the Menu button twice.



```
C:\Windows\system32\cmd.exe
Microsoft Windows [Version 6.1.7601]
Copyright (c) 2009 Microsoft Corporation. All rights reserved.

C:\Users\Sales2> telnet 192.168.5.80 23
```

After connecting to the Matrix Switcher via IP address. Type "HELP" to preview the list of commands available.



```
Telnet 192.168.5.140
telnet-> help
A1^08 : Switch Output A to 1^8
B1^08 : Switch Output B to 1^8
C1^08 : Switch Output C to 1^8
D1^08 : Switch Output D to 1^8
E1^08 : Switch Output E to 1^8
F1^08 : Switch Output F to 1^8
G1^08 : Switch Output G to 1^8
H1^08 : Switch Output H to 1^8
ABCD...1^ABCD...8 : Switch output ABCD... to 1^8 at the same time
SETIP <IP> <SubNet> <GW> : Setting IP.SubNet.GateWay<Static IP>
RSTIP : IP Configuration Was Reset To Factory Defaults<DHCP>
IPCONFIG : Display the current IP config
PO : Power Off
PI : Power On
I1^I8 : Switch all the output to 1^8
ST : Display the current matrix state and firmware version
RS : System Reset to H8
EM : Setting EDID MODE. 1-STD 2-TU.
? : Display all available commands
QUIT : Exit
telnet-> _
```

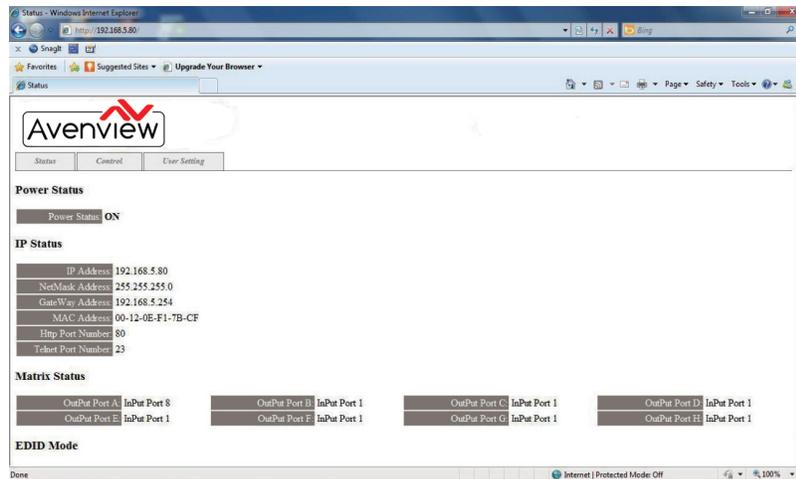
Type "IPCONFIG" To confirm all IP configurations.  
To **RESET** the IP ADDRESS; type "RSTIP" /To **SET** a STATIC IP, type"SETIP"  
(For a full list of commands, see Section 1.3).

**Note:** *Commands will not be executed unless followed by a carriage return. Commands are case-insensitive. If the IP is changed then the IP Address required for Telnet access will also change accordingly.*

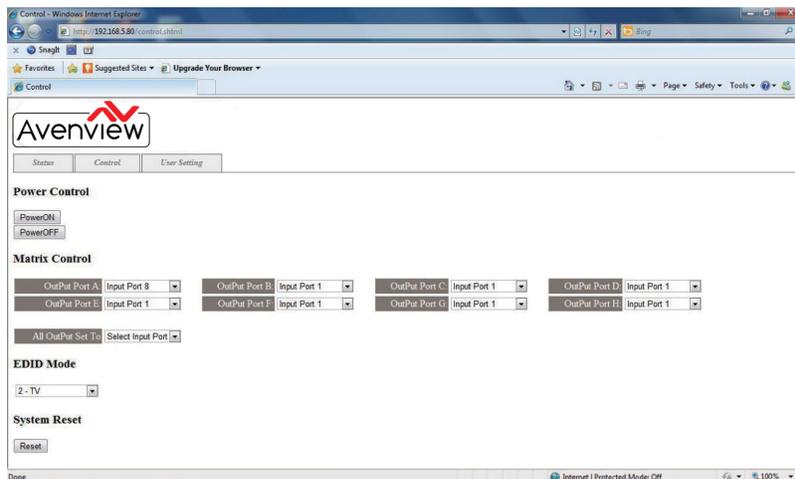


## 4. WEB GUI CONTROL

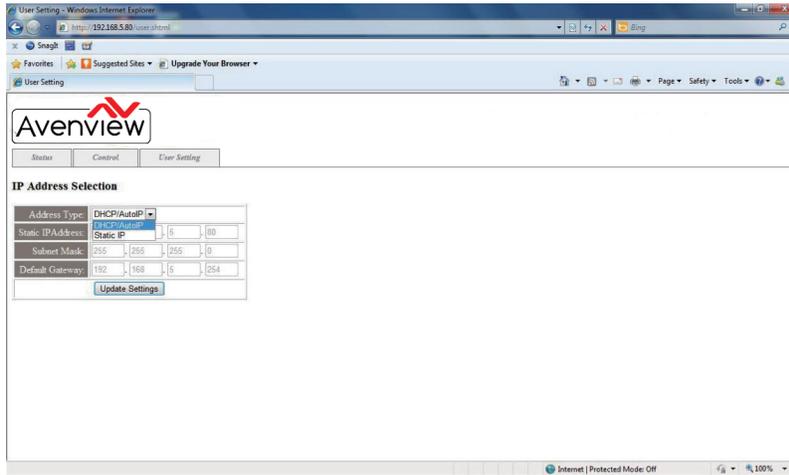
On a PC/Laptop that is connected to the same active network as the Matrix, open a web browser and type device's IP address on the web address entry bar. The browser will display the device's status, control and User setting pages.



Click on the 'Control' tab to control power, input/output ports, EDID and reset mode



Clicking on the 'User Setting' tab allows you to reset the IP configuration. The system will ask for a reboot of the device every time any of the settings are changed. The IP address needed to access the Web GUI control will also need to be changed accordingly on the web address entry bar.





AV Connectivity, Distribution And Beyond...

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