

## RS-232 Connection Guidelines

WyreStorm recommends that all wiring for the installation is run and terminated prior to making connections to the switcher. Read through this section in its entirety before running or terminating the wires to ensure proper operation and to avoid damaging equipment.

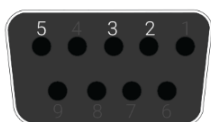
The following wiring diagram shows the pinouts for the switcher.

While not shown, connect the TX (transmit) to RX (receive) pin at the control system or PC side of the cable.

Most control systems and computers are DTE where pin 2 is RX, this can vary from device to device. Refer to the documentation for the connected device for pin functionality to ensure that the correct connections can be made.

## RS-232 In Port - DCE Pinout

This is a female DB9 port with DCE configuration.



Outside of DB9 female chassis port shown.

Pin 1: —	Pin 6: —
Pin 2: TX (Transmit)	Pin 7: —
Pin 3: RX (Receive)	Pin 8: —
Pin 4: —	Pin 9: —
Pin 5: GND (Ground)	

## COM Port Settings

Baud Rate: 115200

Data Bit: 8

Parity: None

Stop Bit: 1

## Commands

Function	Command
Audio HDMI Input 1 > Analog	AA02000900000010380300000000
Audio HDMI Input 1 > HDMI	AA02000900000010380100000002
Audio HDMI Input 1 > VGA	AA02000900000010380200000001
Audio HDMI Input 2 > Analog	AA02000900000010380003000000
Audio HDMI Input 2 > HDMI	AA02000900000010380001000002
Audio HDMI Input 2 > VGA	AA02000900000010380002000001
Audio HDMI Input 3 > Analog	AA02000900000010380000030000
Audio HDMI Input 3 > HDMI	AA02000900000010380000010002
Audio HDMI Input 3 > VGA	AA02000900000010380000020001
Audio HDMI Input 4 > Analog	AA02000900000010380000000300
Audio HDMI Input 4 > HDMI	AA02000900000010380000000102
Audio HDMI Input 4 > VGA	AA02000900000010380000000201
INPUT1>COMPONENT	AA02000900000000380300000010
INPUT1>HDMI	AA02000900000000380100000012
INPUT1>VGA	AA02000900000000380200000011
INPUT2>COMPONENT	AA02000900000000380003000010
INPUT2>HDMI	AA02000900000000380001000012
INPUT2>VGA	AA02000900000000380002000011
INPUT3>COMPONENT	AA02000900000000380000030010
INPUT3>HDMI	AA02000900000000380000010012
INPUT3>VGA	AA02000900000000380000020011
INPUT4>COMPONENT	AA02000900000000380000000310

Function	Command
INPUT4>HDMI	AA02000900000000380000000112
INPUT4>VGA	AA02000900000000380000000211
MATRIX MODE	AA020006000000007801D5
MULTI-VIEW MODE	AA020006000000007800D6
MV OUTPUT 1 > INPUT 1(Audio)	AA02000700000002028010004
MV OUTPUT 1> INPUT 2(Audio)	AA02000700000002028020003
MV OUTPUT 1> INPUT 3(Audio)	AA02000700000002028030002
MV OUTPUT 1> INPUT 4(Audio)	AA02000700000002028040001
MV OUTPUT 2 > INPUT 3(Audio)	AA02000700000002028000302
MV OUTPUT 2 > INPUT 4(Audio)	AA02000700000002028000401
MV OUTPUT 2> INPUT 1(Audio)	AA02000700000002028000104
MV OUTPUT 2> INPUT 2(Audio)	AA02000700000002028000203
OUTPUT1>2KQV	AA0200070000000010060037
OUTPUT1>4KQV	AA0200070000000010050038
OUTPUT1>INPUT1	AA020007000000001001003C
OUTPUT1>INPUT2	AA020007000000001002003B
OUTPUT1>INPUT3	AA020007000000001003003A
OUTPUT1>INPUT4	AA0200070000000010040039
OUTPUT2>2KQV	AA0200070000000010000637
OUTPUT2>4KQV	AA0200070000000010000538
OUTPUT2>INPUT1	AA020007000000001000013C
OUTPUT2>INPUT2	AA020007000000001000023B
OUTPUT2>INPUT3	AA020007000000001000033A

Function	Command
OUTPUT2>INPUT4	AA0200070000000010000439
Recall PRESET1	AA0200060000000583801BD
Recall PRESET2	AA0200060000000583802BC
Recall PRESET3	AA0200060000000583803BB
Recall PRESET4	AA0200060000000583804BA
Recall PRESET5	AA0200060000000583805B9
Recall PRESET6	AA0200060000000583806B8
Recall PRESET7	AA0200060000000583807B7
Recall PRESET8	AA0200060000000583808B6
Recall PRESET9	AA0200060000000583809B5
Recall PRESET10	AA020006000000058380AB4
Recall PRESET11	AA020006000000058380BB3
Recall PRESET12	AA020006000000058380CB2
Recall PRESET13	AA020006000000058380DB1
Recall PRESET14	AA020006000000058380EB0
Recall PRESET15	AA020006000000058380FAF
Recall PRESET16	AA0200060000000583810AE
Recall PRESET17	AA0200060000000583811AD
Recall PRESET18	AA0200060000000583812AC
Recall PRESET19	AA0200060000000583813AB
Recall PRESET20	AA0200060000000583814AA
Save to PRESET1	AA0200060000000573801BE
Save to PRESET2	AA0200060000000573802BD
Save to PRESET3	AA0200060000000573803BC
Save to PRESET4	AA0200060000000573804BB
Save to PRESET5	AA0200060000000573805BA
Save to PRESET6	AA0200060000000573806B9
Save to PRESET7	AA0200060000000573807B8
Save to PRESET8	AA0200060000000573808B7
Save to PRESET9	AA0200060000000573809B6
Save to PRESET10	AA020006000000057380AB5
Save to PRESET11	AA020006000000057380BB4
Save to PRESET12	AA020006000000057380CB3
Save to PRESET13	AA020006000000057380DB2
Save to PRESET14	AA020006000000057380EB1
Save to PRESET15	AA020006000000057380FB0
Save to PRESET16	AA0200060000000573810AF
Save to PRESET17	AA0200060000000573811AE
Save to PRESET18	AA0200060000000573812AD
Save to PRESET19	AA0200060000000573813AC
Save to PRESET20	AA0200060000000573814AB

**Please note:** The switcher has two operational modes, Multi-View mode and Matrix mode. Specific commands of the switcher belong to different modes. When sending a command to the switcher that would require it to be in a different operational mode, the Multi-View or Matrix mode command will need to be sent prior to any switching or PiP command.

**Matrix Mode Command:** Is required when switching from Multi-View mode into either a full screen source or to Quad-View.

**Multi-View Mode Command:** Is required when switching from a full screen source or Quad-View to a Multi-View (PiP) layout.