

16x1 HDMI Switch (KVM) communication protocol

1. RS232 Serial port:

Baud rate: 9600 bps
Stop bit: 1 bit
Data length: 8 bits

Commands (Hex format):

1) Switch input source:

Switch to PC1: 0xAA 0xBB 0x03 0x01 0x01 0xEE
Switch to PC2: 0xAA 0xBB 0x03 0x01 0x02 0xEE
Switch to PC3: 0xAA 0xBB 0x03 0x01 0x03 0xEE
Switch to PC4: 0xAA 0xBB 0x03 0x01 0x04 0xEE
Switch to PC5: 0xAA 0xBB 0x03 0x01 0x05 0xEE
Switch to PC6: 0xAA 0xBB 0x03 0x01 0x06 0xEE
Switch to PC7: 0xAA 0xBB 0x03 0x01 0x07 0xEE
Switch to PC8: 0xAA 0xBB 0x03 0x01 0x08 0xEE
Switch to PC9: 0xAA 0xBB 0x03 0x01 0x09 0xEE
Switch to PC10: 0xAA 0xBB 0x03 0x01 0x0A 0xEE
Switch to PC11: 0xAA 0xBB 0x03 0x01 0x0B 0xEE
Switch to PC12: 0xAA 0xBB 0x03 0x01 0x0C 0xEE
Switch to PC13: 0xAA 0xBB 0x03 0x01 0x0D 0xEE
Switch to PC14: 0xAA 0xBB 0x03 0x01 0x0E 0xEE
Switch to PC15: 0xAA 0xBB 0x03 0x01 0x0F 0xEE
Switch to PC16: 0xAA 0xBB 0x03 0x01 0x10 0xEE

2) LED timeout setting:

10S time out: 0xAA 0xBB 0x03 0x03 0x0A 0xEE
30S time out: 0xAA 0xBB 0x03 0x03 0x1E 0xEE
Never time out: 0xAA 0xBB 0x03 0x03 0x00 0xEE

3) Mute buzzer: 0xAA 0xBB 0x03 0x02 0x00 0xEE

4) Unmute buzzer: 0xAA 0xBB 0x03 0x02 0x01 0xEE

5) Read current active input port:

0xAA 0xBB 0x03 0x10 0x00 0xEE

6) Feedback current active input port (From switch to PC)

0xAA 0xBB 0x03 0x11 0xXX 0xEE

Note: 0xXX indicates current active input port of the switch, 0x00->PC1, 0x01->PC2, 0x02->PC3...0x0F->PC16

2. LAN port:

IP address: 192.168.1.10
Port: 5000
Gate way: 192.168.1.1
Mask address: 255.255.255.0

Commands (Hex format):

1) Switch input source:

Switch to PC1: 0xAA 0xBB 0x03 0x01 0x01 0xEE
Switch to PC2: 0xAA 0xBB 0x03 0x01 0x02 0xEE
Switch to PC3: 0xAA 0xBB 0x03 0x01 0x03 0xEE
Switch to PC4: 0xAA 0xBB 0x03 0x01 0x04 0xEE
Switch to PC5: 0xAA 0xBB 0x03 0x01 0x05 0xEE
Switch to PC6: 0xAA 0xBB 0x03 0x01 0x06 0xEE
Switch to PC7: 0xAA 0xBB 0x03 0x01 0x07 0xEE
Switch to PC8: 0xAA 0xBB 0x03 0x01 0x08 0xEE
Switch to PC9: 0xAA 0xBB 0x03 0x01 0x09 0xEE
Switch to PC10: 0xAA 0xBB 0x03 0x01 0x0A 0xEE
Switch to PC11: 0xAA 0xBB 0x03 0x01 0x0B 0xEE
Switch to PC12: 0xAA 0xBB 0x03 0x01 0x0C 0xEE
Switch to PC13: 0xAA 0xBB 0x03 0x01 0x0D 0xEE
Switch to PC14: 0xAA 0xBB 0x03 0x01 0x0E 0xEE
Switch to PC15: 0xAA 0xBB 0x03 0x01 0x0F 0xEE
Switch to PC16: 0xAA 0xBB 0x03 0x01 0x10 0xEE

2) LED timeout setting:

10S time out: 0xAA 0xBB 0x03 0x03 0x0A 0xEE
30S time out: 0xAA 0xBB 0x03 0x03 0x1E 0xEE
Never time out: 0xAA 0xBB 0x03 0x03 0x00 0xEE

3) Mute buzzer: 0xAA 0xBB 0x03 0x02 0x00 0xEE

4) Unmute buzzer: 0xAA 0xBB 0x03 0x02 0x01 0xEE

5) Read current active input port:

0xAA 0xBB 0x03 0x10 0x00 0xEE

6) Feedback current active input port (From switch to PC)

0xAA 0xBB 0x03 0x11 0xFF 0xEE

Note: 0xFF indicates current active input port of the switch, 0x00->PC1, 0x01->PC2, 0x02->PC3...0x0F->PC16