

PC/HD Switcher 4 input : 1 output w/RS232 - ID# 594



Operation Manual

Introduction

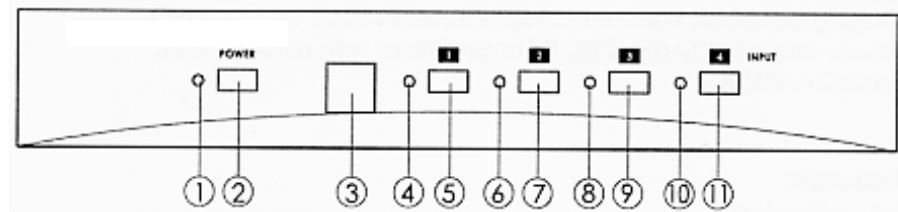
PC/HD Switcher 4 input : 1 output w/RS232 is perfect solution for switching between various PC/HDTV sources such as PCs, DVD... to share one display monitor, TV or projector with resolution up to WUXGA/1080p.

Features

- LED indicators
- IR remote control.
- Supports high resolution input:
PC: VGA, SVGA, XGA, SXGA, UXGA(1600x 1200) and
WUXGA(1920x1200), & HDTV: 480i, 576i, 480p, 576p, 720p, 1080i and 1080p.
- Bandwidth: 650 Mhz.
- Plug and play, easy to install and operate.
- Built-in advance circuit ensures a smooth transition when switching from one PC/HD source into another.
- RS-232 interface allows control from a distant device.
- Ideal for presentation and large shop intergration.
- Audio format: L/R analog.

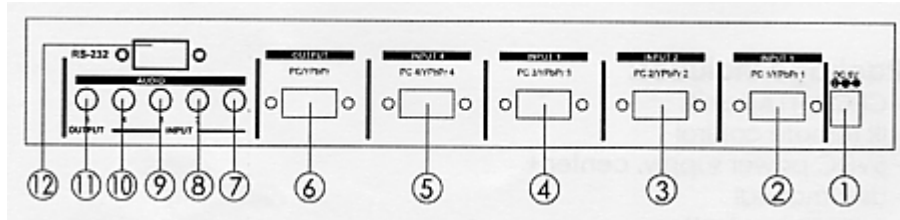
Operation Controls and Functions

Front Panel



1. **Power indicator LED.**
2. **Power ON/OFF switch:** Push the button to turn ON/OFF the power.
3. **IR sensor:** Infrared remote control sensor.
4. **Input 1 indicator LED .**
5. **Input 1 switch:** Push the button, LED lights up, source 1 is selected.
6. **Input 2 indicator LED.**
7. **Input 2 switch:** Push the button, LED lights up, source 2 is selected.
8. **Input 3 indicator LED .**
9. **Input 3 switch:** Push the button, LED lights up, source 3 is selected.
10. **Input 4 indicator LED.**
11. **Input 4 switch:** Push the button, LED lights up, source 4 is selected.

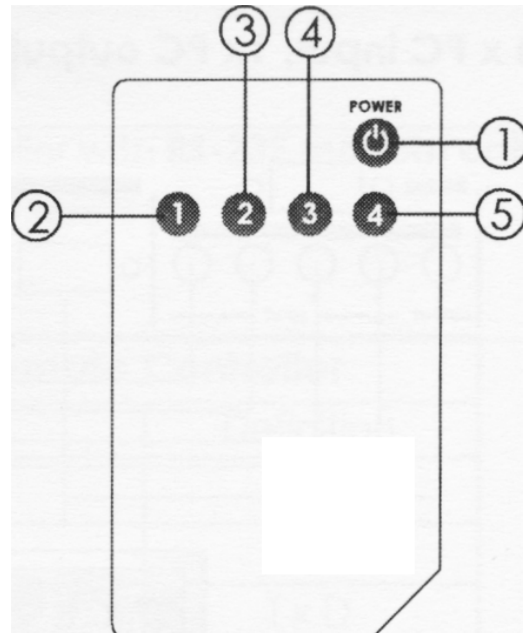
Rear Panel



1. **DC 5V:** 5 Volt, 5W DC input , center +.
2. **Input 1 connector:** Input connector for PC 1 /YPbPr 1.
3. **Input 2 connector:** Input connector for PC 2/YPbPr 2.
4. **Input 3 connector:** Input connector for PC 3/YPbPr 3.
5. **Input 4 connector:** Input connector for PC 4/YPbPr 4.
6. **Output connector:** Output connector for PC/YPbPr.
7. **Audio input 1 connector:** Audio input connector for Audio (L+R) 1 via 3.5mm phone jack to 2R audio cable.
8. **Audio Input 2 connector:** Audio input connector for Audio (L+R) 2 via 3.5mm phone jack to 2R audio cable.
9. **Audio input 3 connector:** Audio input connector for Audio (L+ R) 3 via 3.5mm phone jack to 2R audio cable.
10. **Audio input 4 connector:** Audio input connector for Audio (L+R) 4 via 3.5mm phone jack to 2R audio cable.
11. **Audio output connector:** Audio output connector for Audio(L+R) via 3.5mm phone jack to 2R audio cable.
12. **RS-232 interface:** DB-9 female connector for connecting to your other control console for remote control.

Remote Control

1. **Power:** Switch between power ON and Standby.
 2. Press button 1 to select source 1.
 3. Press button 2 to select source 2.
 4. Press button 3 to select source 3. 5. Press button 4 to select source 4.
- Note:** Replacement battery can be found at a local electronic retail store.



Remote Control Protocol

* The connection between the PC/HD Switcher 4 input : 1 output w/RS232 and remote controller with RS-232 modem cable.

Pins definition of modem cable

| PC/HD Switcher | | | Remote Controller | |
|----------------|------------|---|-------------------|------------|
| PIN | Definition | | PIN | Definition |
| 1 | NC | ▶ | 1 | NC |
| 2 | T x D | | 2 | R x D |
| 3 | R x D | | 3 | T x D |
| 4 | NC | | 4 | NC |
| 5 | GND | ◀ | 5 | GND |
| 6 | NC | | 6 | NC |
| 7 | NC | | 7 | NC |
| 8 | NC | | 8 | NC |
| 9 | NC | | 9 | NC |

* RS-232 transmission format:

Baud Rate : 9600 bps

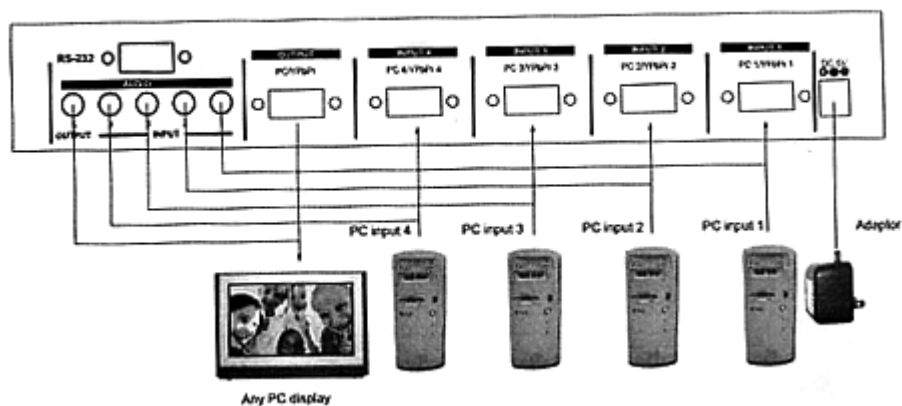
Data Bit : 8 Bits Parity: None Stop Bit: 1 bit

* Command :

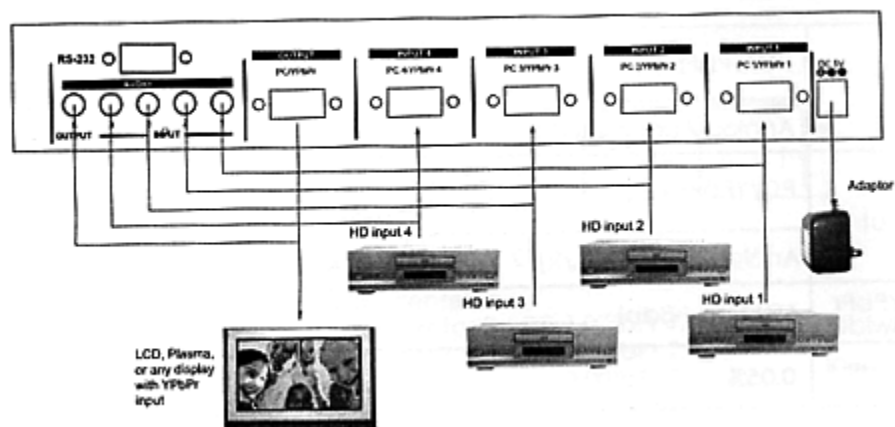
| Command Code | Comment |
|--------------|-----------|
| "I" + "1" | PORT 1 ON |
| "I" + "2" | PORT 2 ON |
| "I" + "3" | PORT 3 ON |
| "I" + "4" | PORT 4 ON |
| "P" + "4" | POWER ON |
| "P" + "0" | POWER OFF |

Installation and Connections

1. 4 x PC input, 1x PC output



2. 4 x HD input, 1x HD output



Specifications

| | | |
|---------------------|-------------------------|--|
| Input | PC/YPbPr:4 | RGB: 0.7Vp-p or 1 Vp-p with sync75 ohm /HD(TTL): 5Vp-p 10 K ohm |
| | Analog Audio: 4 (L/R) | 2Vrms max 47 k ohm |
| Output | PC/YPbPr:1 | RGB: 0.7Vp-p or 1 Vp-p with sync 75 ohm /HD(TTL): 5Vp-p 10k ohm |
| | Analog Audio: 1 (L/R) | 2 Vrms max 47 k ohm |
| PC /YPbPr Bandwidth | 650 MHz (-3db) | |
| Differential gain | 0.05% | |
| Differential phase | 0.05 degree | |
| Power consumption | 5 Watts (max.) | |
| Power | 5V 1A AC adaptor | |
| Dimensions | 292(W)x 73(D) x 44(H)mm | |
| Unit gross | 1.5Kgs | |