



OR-YUV44S

Component 4 x 4 Matrix
Switcher with Digital Audio

OPERATION MANUAL





Table of Contents

1.	Introduction	1
2.	Features	1
3.	Package Contents	1
4.	Operation Controls and Functions	2
4.1	Front Panel Diagram	2
4.2	Rear Panel Diagram	3
4.3	Remote Control	4
5.	Connection Diagram	5
6.	Specifications	5-6





1. Introduction

OR-YUV44S is a high performance Component of Digital/Analog Audio with Video Matrix. It offers you maximum convenience in HDTV audio/video signal distribution when you have multiple sources to display. Each of the four HDTV audio/video sources can be directed to any one of the four outputs and or all four displays can show one identical output sources at the same time. It provides a variety of choices on where to play your image with remote controller.

2. Features

- Provides 4 x 4 matrix input/output of Component (YPbPr/YCbCr) video and L/R stereo & Coaxial digital audio signal.
- Component 4 x 4 Matrix Switcher with Digital Audio
- Supports high resolution input/output: HDTV: 480i, 576i, 480p, 576p, 1080i, and 1080p.
- Analogue stereo audio & Coaxial digital audio supporting PCM stereo, Dolby Digital & DTS.
- Buffered video and audio output.
- IR remote control plus RS-232 control.
- Input source LED indicators on each output select.

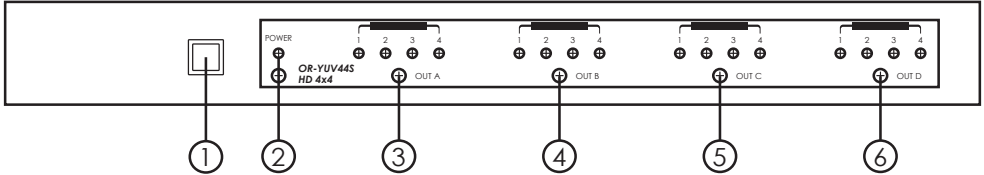
3. Package Contents

- OR-YUV44S Component Matrix
- 12VDC Power Supply Adaptor
- Remote Controller
- Operation Manual



4. Operation Controls and Functions

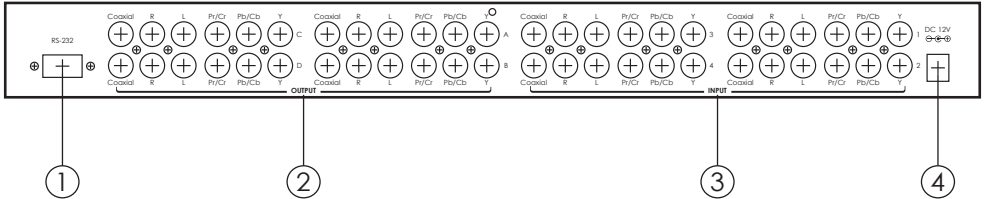
4.1 Front Panel



1. Remote control sensor.
2. Power Switch & LED Indicator: The LED will illuminate when the power is turned on.
3. 3 Input Select/Indicators for Output A: Press the "OUT A" button repeatedly to switch to your desired source. One of the four LEDs will illuminate to indicate which input source is being selected, and routed to the display.
4. Input Select/Indicators for Output B: Press the "OUT B" button repeatedly to switch to your desired source. One of the four LEDs will illuminate to indicate which input source is being selected, and routed to the display.
5. Input Select/Indicators for Output C: Press the "OUT C" button repeatedly to switch to your desired source. One of the four LEDs will illuminate to indicate which input source is being selected, and routed to the display.
6. Input Select/Indicators for Output D: Press the "OUT D" button repeatedly to switch to your desired source. One of the four LEDs will illuminate to indicate which input source is being selected, and routed to the display.



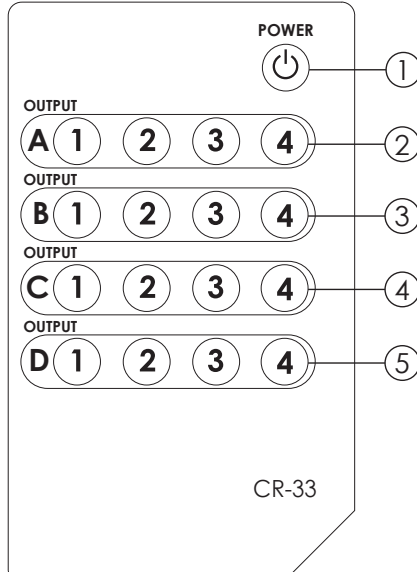
4.1 Rear Panel



1. RS-232 Communication Port: Connect to the COM port of your PC for the distant control over RS-232 Channel.
2. 2 Component with Digital (Coaxial) & L/R Audio OUTPUT Ports A, B, C and D: Connect each set of Component (3 RCA) and Audio (2 RCA/Coaxial) to the input of your HDTV displays.
3. Component with Digital (Coaxial) & L/R Audio INPUT Ports 1, 2, 3 and 4: Connect each set of Component (3 RCA) and Audio (2 RCA/Coaxial) to the output of your source equipments such as DVD player or set-top-box.
4. Power: Plug the 12VDC power supply into the unit and connect the adaptor to AC wall outlet.



4.3 Remote Control



1. Power: Press the button to turn on/off the unit.
2. Input Select for Component/Audio OUT A: Press 1, 2, 3 or 4 to select the desired input source for Component/Audio OUT A.
3. Input Select for Component/Audio OUT B: Press 1, 2, 3 or 4 to select the desired input source for Component/Audio OUT B.
4. Input Select for Component/Audio OUT C: Press 1, 2, 3 or 4 to select the desired input source for Component/Audio OUT C.
5. Input Select for Component/Audio OUT D:
6. Press 1, 2, 3 or 4 to select the desired input source for Component/Audio OUT D.



8. RS-232 Protocol

OR-YUV44S		Remote Control Console	
PIN	Definition	PIN	Definition
1	NC	1	NC
2	Tx	2	Rx
3	Rx	3	Tx
4	NC	4	NC
5	GND	5	GND
6	NC	6	NC
7	NC	7	NC
8	NC	8	NC
9	NC	9	NC

Baud Rate: 9600bps

Data bit: 8bits

Parity: None

Stop bit: 1bit

8.1 Command Sets

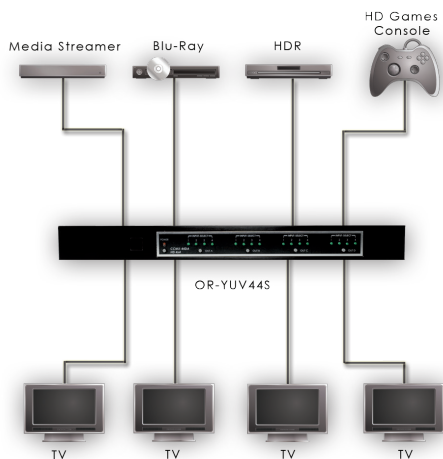
COMMAND	ACTION
P0	Power Off (standby)
P1	Power On *
ST	System Status *
VR	Firmware Version
A1	Output A select Input 1
A2	Output A select Input 2
A3	Output B select Input 3



A4	Output B select Input 4
B1	Output B select Input 1
B2	Output B select Input 2
B3	Output C select Input 3
B4	Output C select Input 4
C1	Output C select Input 1
C2	Output C select Input 2
C3	Output D select Input 3
C4	Output D select Input 4
D1	Output D select Input 1
D2	Output D select Input 2
D3	Output B select Input 3
D4	Output B select Input 4

*: Command "P1" and "ST" response: P? A? B? C? D?

5. Connection Diagram





6. Specifications

Frequency bandwidth	2.25Gbps (single link)
Input ports	4 x independent IR Blasters; 1 x total IR blaster control
Output ports	4 x independent IR Receiver; 1 x total IR receiver control
EDID	Standard, TV/Moving Port 1
HDMI Audio output	PCM2, PCM5.1, PCM7.1, Dolby5.1, DTS5.1, DD+, D-True-HD, DTS-HD
HDMI Cable in	1080p 8bit (10M), 1080p 12bit (10M)
HDMI Cable out	1080p 8bit (10M), 1080p 12bit (6M)
Colour Space	RGB_24/36, YCbCr 4:4:4_24/36, YCbCr 4:2:2, xvyycc
IR	Yes
Deep Colour	1080p 12bit
HDMI Resolution	480i~1080p 50/60, 1080p 24, VGA~UXGA
DVI Resolution	480i~1080p 50/60, 1080p 24, VGA~UXGA
Power Supply	5V 1Amp (US/EU standards, CE/FCC/UL certified)
Dimensions (mm)	180(W) x 120(D) x 25(H)
Weight (g)	840
Chassis Material	Aluminum
Silk Skin Color	Black
Operating Temperature	Operating from 0°C ~ 40°C
Power Consumption	0.86W



Notes:



www.cypeurope.com

