

▶ OPT41AU

User Manual

Thank you for purchasing this product.

For optimum performance and safety, please read these instructions carefully before connecting, operating or adjusting this product. Please keep this manual for future reference.



Surge protection device recommended

This product contains sensitive electrical components that may be damaged by electrical spikes, surges, electric shock, lightning strikes, etc. Use of surge protection systems is highly recommended in order to protect and extend the life of your equipment.

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Introduction

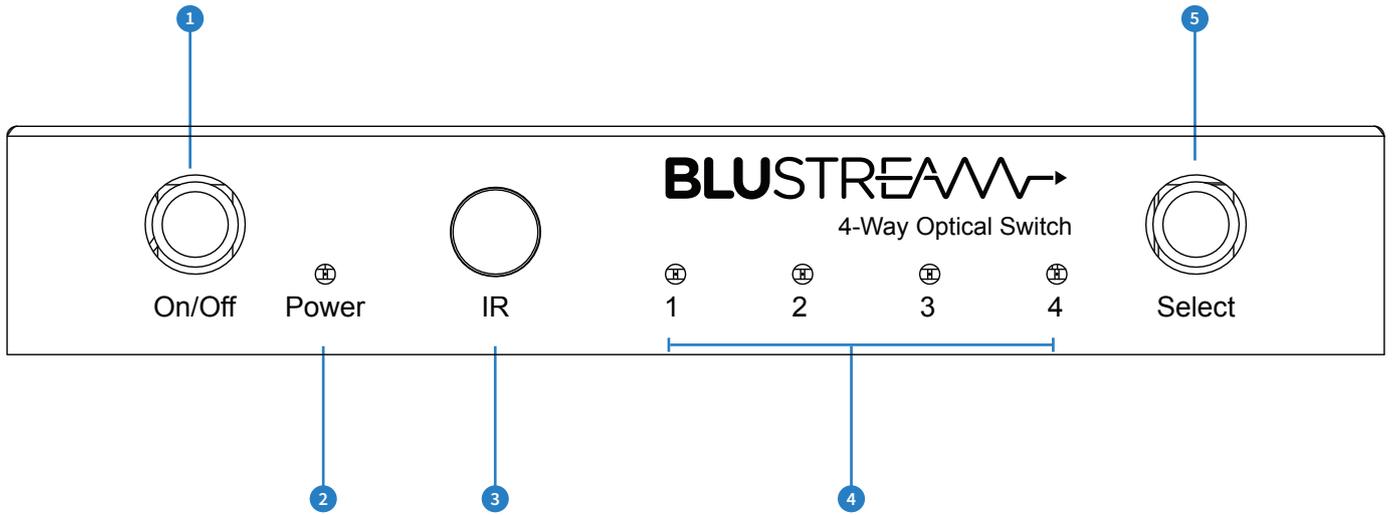
The OPT41AU is a powered optical digital audio switcher with built-in digital signal conversion and DAC (Digital to Analogue Converter). The OPT41AU allows you to connect four digital Optical Toslink sources and switch audio to the optical Toslink, coaxial digital and analogue L/R audio outputs which all run concurrently. The OPT41AU compact size and extension IR receiver allow the unit to be hidden away and controlled with the supplied IR remote control.

The OPT41AU is ideal for soundbar installations with only a single optical input available, allowing users to connect multiple sources such as DVD players, Games machines, media players etc.

FEATURES:

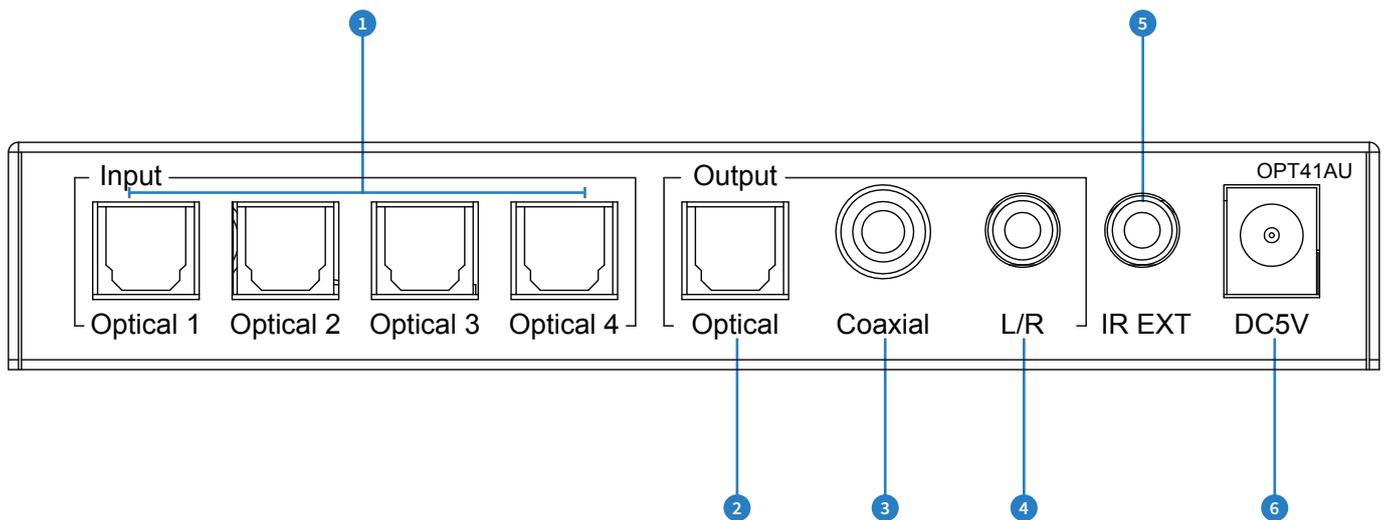
- 4x Optical digital Toslink inputs
- Built-in DAC which converts selected Optical PCM audio input to Analogue L/R audio output
- Built in digital audio converter which converts selected Optical audio input to coaxial digital output
- Outputs Optical digital, coaxial digital and Analogue L/R outputs at the same time
- Each audio output can be turned On/Off using supplied IR remote control
- Supports sample rates 32 kHz, 44.1 kHz, 48 kHz, 96 kHz and 192 kHz up to 24-bit resolution
- Supports LPCM, DTS, Dolby Digital and Dolby Digital Plus when used as straight digital in/digital out switcher
- Ultra low jitter and high fidelity design
- Input selection button on front panel to toggle between 4x Optical audio inputs
- IR receiver on front panel to switch between Optical audio inputs and turn On/Off each individual audio output using supplied IR remote control
- External IR input can be used to extend IR with optional Blustream 5v IR receiver/cable
- Small compact size

Front Panel



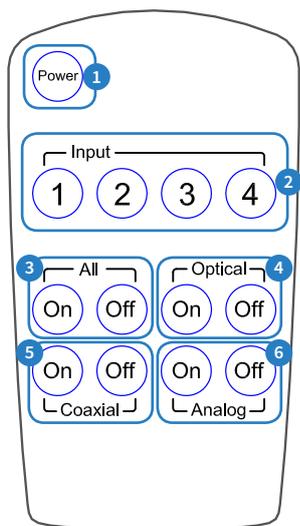
- 1 Power On/Off button
- 2 Power LED indicator – Displays the status of the power of the unit
- 3 IR receiver window
- 4 Input LED indicator – Displays the Optical input currently active.
- 5 Select button – press to toggle between Optical inputs

Back Panel



- 1 Optical digital inputs x4
- 2 Optical digital output
- 3 Coaxial digital output - Converted from selected Optical digital input)
- 4 Analogue audio Left/Right output (3.5mm stereo jack) – Converted from selected Optical digital input (DAC)
- 5 External IR input -
- 6 Power port – Use supplied 5V/1A DC adaptor to power switcher

OPT41AU – Remote Control



1. Power On/Off button
2. Direct input selection buttons
3. All outputs On/Off (Optical, Coaxial and Analogue)
4. Optical output On/Off
5. Coaxial output On/Off
6. Analogue output On/Off (DAC)

Database of IR commands

IR Type:	NEC
NEC Codeset:	1898
Command Code	14
Power	On/Off
Input 1	50
Input 2	55
Input 3	48
Input 4	4A
All On	5E
All Off	06
Optical On	05
Optical Off	03
Coaxial On	47
Coaxial Off	07
Analogue On	40
Analogue Off	02

Specifications

Audio Input Connectors: 4x SPDIF Optical audio

Output Connectors: 1x SPDIF Optical audio, 1x Coaxial digital & 1x Analogue audio L/R (3.5mm stereo Jack)

IR Input Ports: 1x 3.5mm stereo Jack

Casing Dimensions (W x H x D): 137mm x 24mm x 68mm

Dimensions including connections (W x H x D): 137mm x 24mm x 79mm

Shipping Weight: 0.5kg

Operating Temperature: 32°F to 104°F (0°C to 40°C)

Storage Temperature : -4°F to 140°F (-20°C to 60°C)

Power Supply: 5V/1A DC

Package Contents:

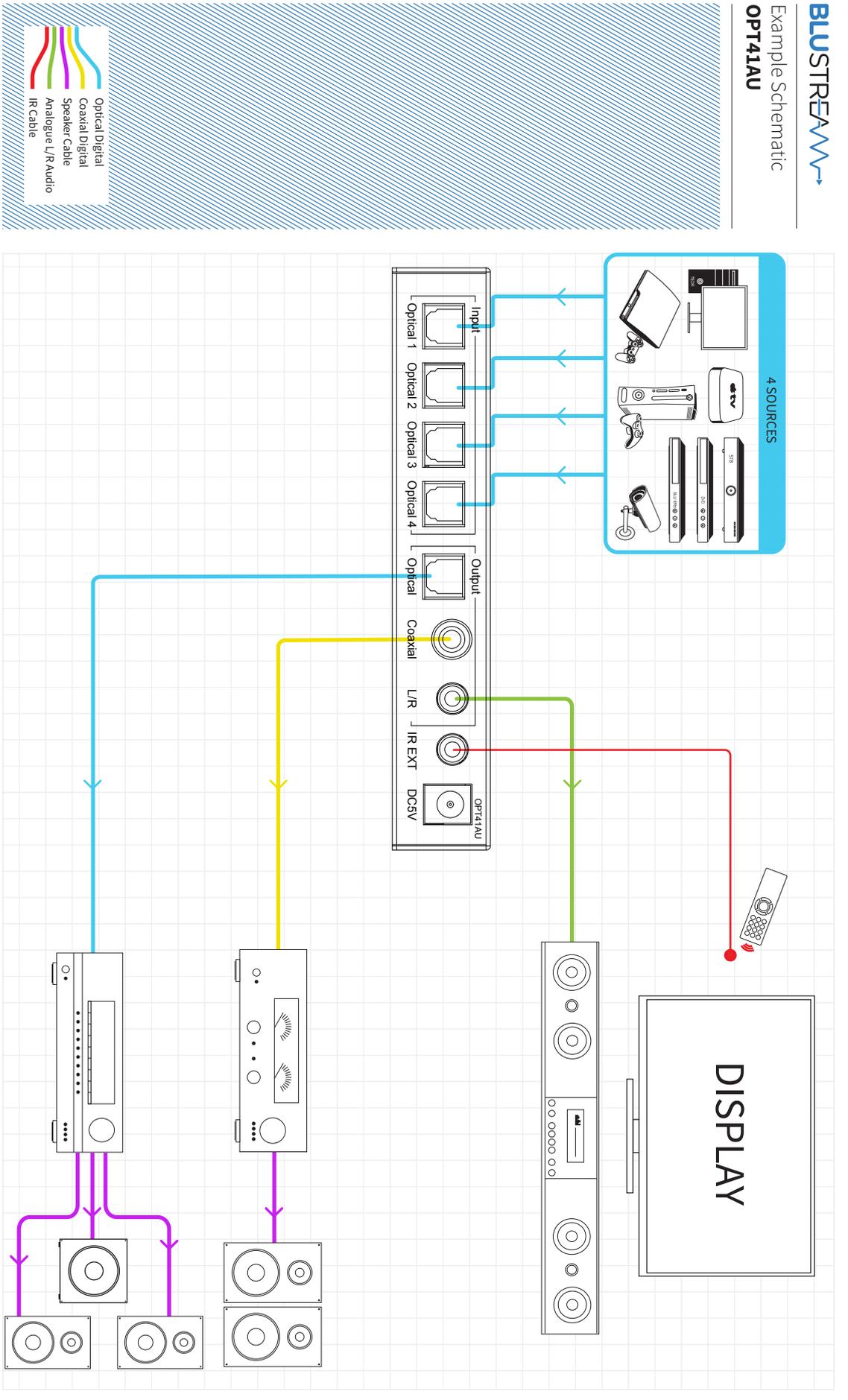
- 1 x OPT41AU
- 1x OPT41-REMOTE
- 1 x 5V/1A DC power supply
- 1 x Mounting kit

Maintenance:

Clean this unit with a soft, dry cloth. Never use alcohol, paint thinner or benzene to clean this unit.

BLUSTREAM

Example Schematic
OPT41AU





www.blustream.co.uk
www.blustream.com.au