

▶ 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.

Contents

Introduction	03
Features	03
Panel Descriptions	04
Specifications	05
Package Contents	05
Maintenance	05

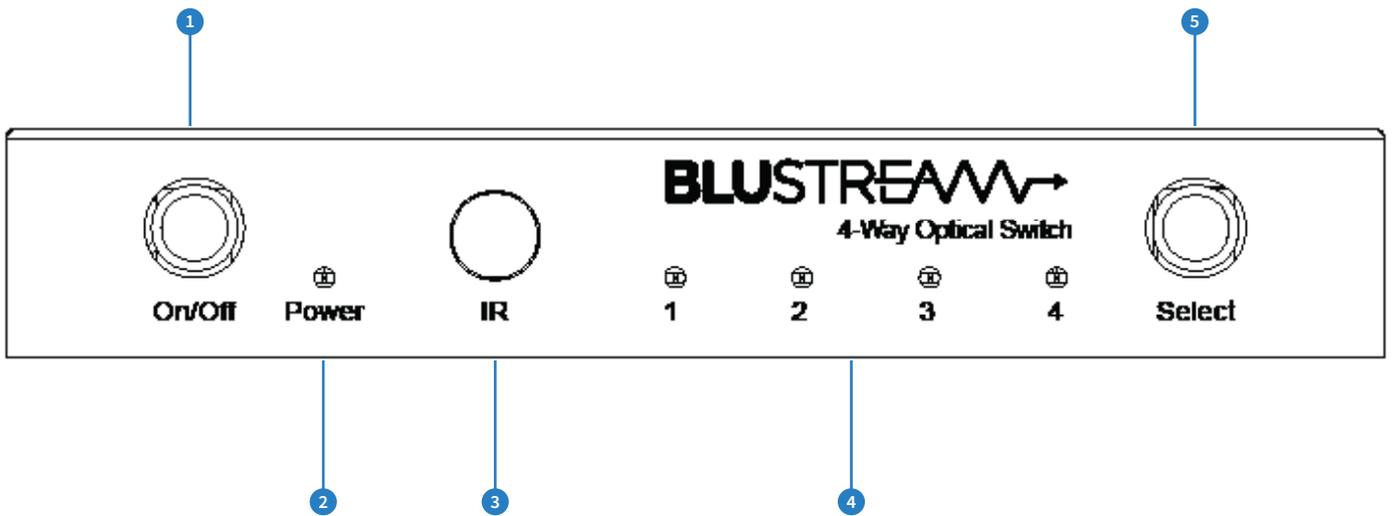
Introduction

Our OPT41AU is an advanced 4-Way optical audio switch, perfect for the integration of multiple audio sources with a soundbar. The OPT41AU also has a built in DAC (Digital to Analogue Audio Converter) and simultaneous digital and analogue stereo audio outputs. The OPT41AU supports 192kHz sample rates and up to 24-bit resolution for enhanced sound reproduction.

FEATURES:

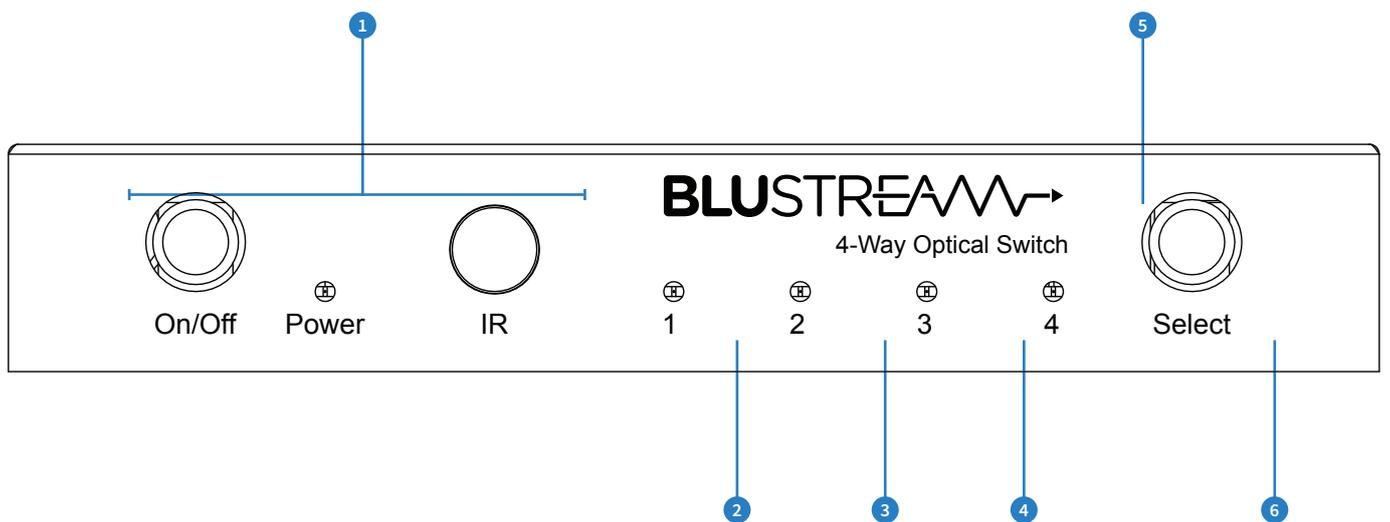
- 4x Optical digital Toslink inputs
 - Built-in DAC which converts selected optical PCM audio input to analogue L/R audio output
 - Built in digital audio converter which converts selected optical audio input to coaxial digital output
 - Outputs optical digital, coaxial digital and analogue L/R outputs 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
- 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
 - Supports bitstream passthrough of multichannel surround sound including object-based audio formats in line with HDMI specifications

Front Panel



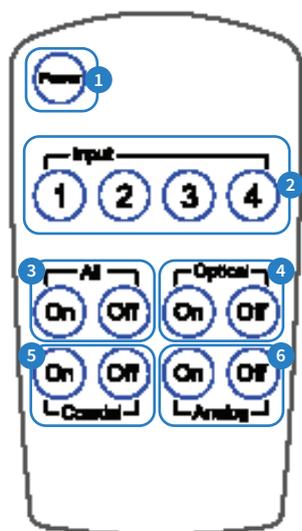
- 1 Power On/Off button
- 2 Power LED indicator – Displays the status of the power of the unit
- 3 IR receiver window
- 4 Input LED indicator – Displays the Optical input currently active.
- 5 Select button – press to toggle between Optical inputs

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

Command	NEC NEC Codeset: 1898
Power On/Off	14
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

* Please see Blustream website for full IR database and alternate code formats

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.

Certifications

FCC NOTICE

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

CAUTION - changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

CANADA, INDUSTRY CANADA (IC) NOTICES

This Class B digital apparatus complies with Canadian ICES-003.

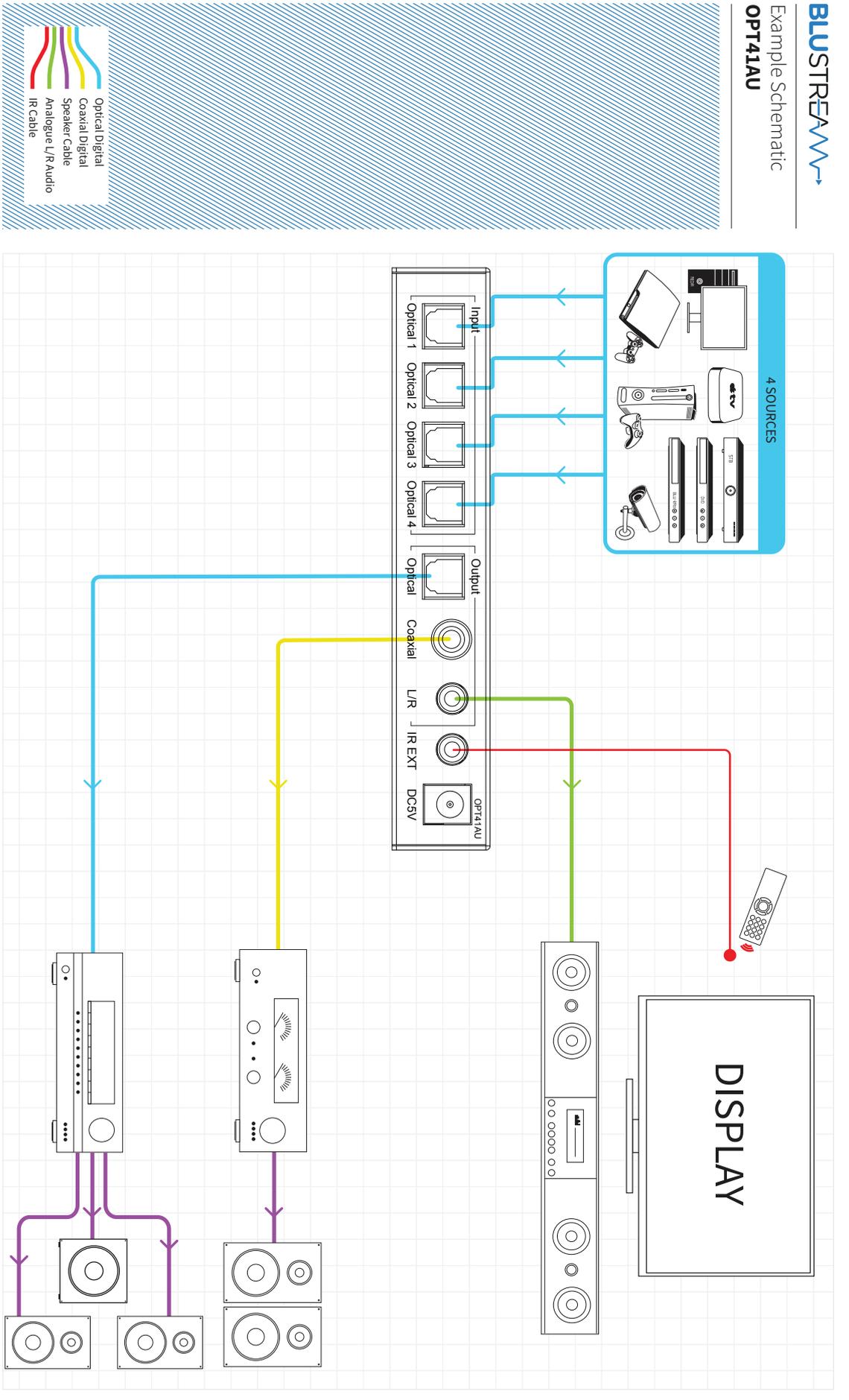
Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

CORRECT DISPOSAL OF THIS PRODUCT

This marking indicates that this product should not be disposed with other household wastes. To prevent possible harm to the environment or human health from uncontrolled waste disposal, recycle it responsibly to promote the sustainable reuse of material resources. To return your used device, please use the return and collection systems or contact the retailer where the product was purchased. They can take this product for environmentally safe recycling.

BLUSTREAM

Example Schematic
OPT41AU





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