

PowerLink Switch

OneRemote Type 30017772

User Manual



Contents

Powerlink Switch type 30017772.....	3
Priority switching mode.....	3
LED Indication	3
Features.....	5
Galvanic isolation.....	5
lossless audio pass	5
Datalink pass.....	5
delay at power off.....	5
Installation	6
Cable quality	6
Technical specifications	7
Connections	7

POWERLINK SWITCH TYPE 30017772

The OneRemote PowerLink Switch is developed for use with active (powered) B&O speakers connected with PowerLink DIN cables. Use adaptor cables, if speakers or a source are equipped with RJ45 connectors.

The PowerLink Switch makes it possible for two sound sources to share one set of PowerLink speakers.

PRIORITY SWITCHING MODE

When one of the sources is powered on, sound from this input will be routed to the output of the switch. At the same time the speaker will power on.

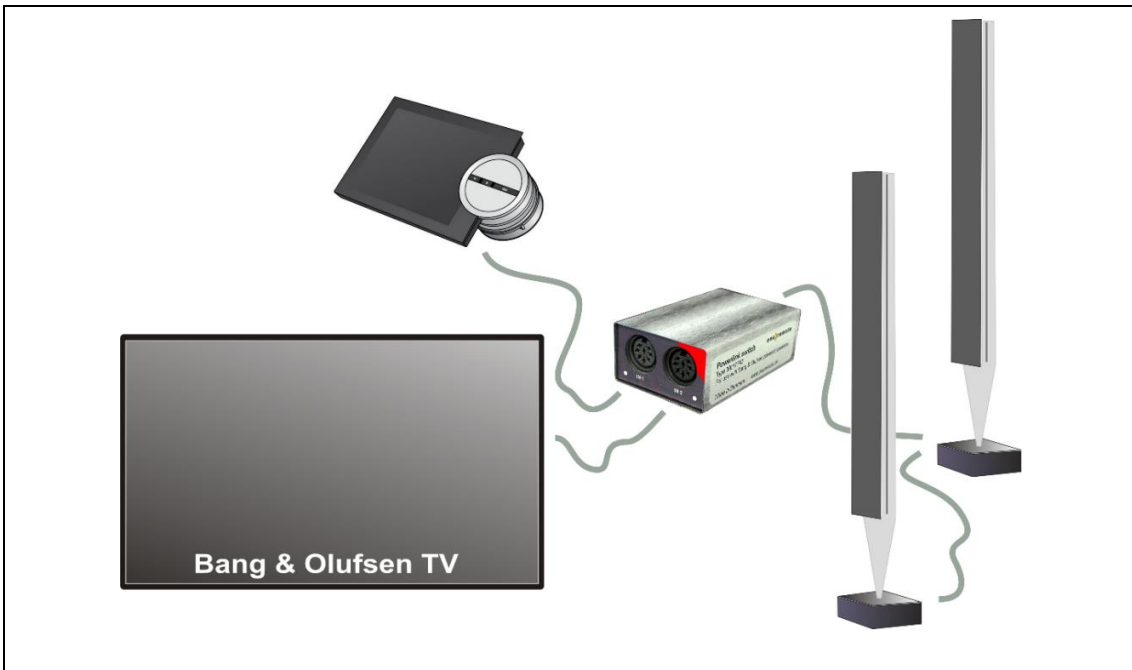
If **both** PL1 and PL2 sources are powered on, PL1 input will always be prioritized.

PL1	PL2	Out
ON	OFF	PL1
ON	ON	PL1
OFF	ON	PL2
OFF	OFF	Speaker off

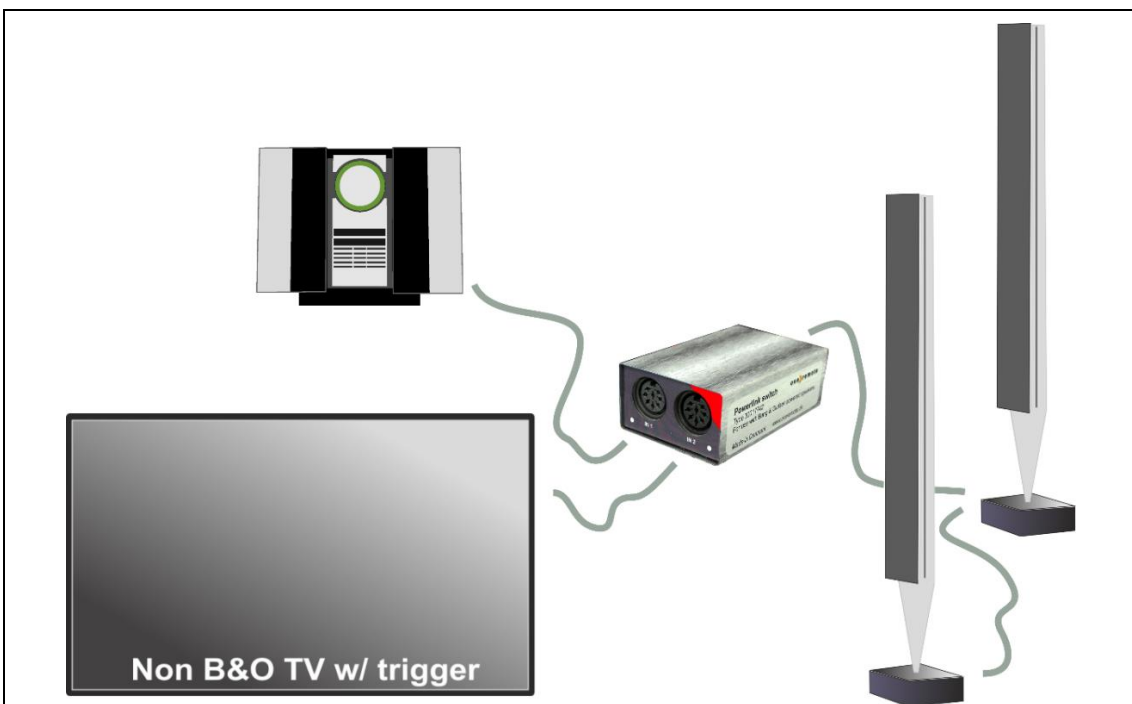
LED INDICATION

When the AUX Expander is powered up the LED flashes RED a few times and then stops flashing. When sound is flowing it turns Green, now and then blinking with sound pulsation.

Red Flash	At power on the LED flashes a few times, while initializing.
Red	Standby, no input is sensed at either input.
Green	PL1 or PL2 is active and the output is on



Example of use with a BeoSound Encore and a Bang & Olufsen TV sharing a set of BeoLab speakers.



Example of use with a NON Bang & Olufsen TV *1 and a BeoSound audio product sharing BeoLab speakers.

*1 The TV must have a regulated sound output and a trigger output signal, like a Loewe TV equipped with Audiolink.

FEATURES

GALVANIC ISOLATION

Using galvanic isolation the input signals are completely kept separated from each other. This prevents problems with floating grounds and the two separate ground potentials for data and audio.

- Sound signals are switched with relays.
- Data ground signal is switched with a relay.
- Analog ground signal is switched with a relay.
- Digital data signal flows via galvanic isolating optocouplers.

When power is not connected or in standby mode, sound output is muted with a mechanical relay.

LOSSLESS AUDIO PASS

The audio signals are passed without any modification; the output of the switch is the same that enters the input.

DATALINK PASS

Datalink is passed to the output, from the selected input for display and other control.

DELAY AT POWER OFF

As the switching is controlled directly from the sources, the speaker will power off immediately, when no source is selected. When the speaker is powered off, sound signals will be muted.

INSTALLATION

The OneRemote PowerLink Switch, is easily installed.

1. Connect the speakers with PowerLink cable(s). *Not included.*
2. Connect the two sound sources with appropriate cables. *Not included.*
3. Connect the mains adaptor.

CABLE QUALITY

Make sure to use good quality PowerLink cables, preferably double-shielded types, especially if long cables are used. Do not use un-shielded cables for any connection.

PowerLink MKII with 4-wire mounted is not recommended.

When connection to PowerLink sources, there is no need for further programming. The PowerLink switch is factory programmed in the *Priority Switching Mode*.

TECHNICAL SPECIFICATIONS

Dimensions	25 x 45 x 74 mm
Included accessories	Power Adaptor 12VDC @ 400mA Euro
Not included	Cables

CONNECTIONS



Sockets:

IN1	DIN 8-pin PowerLink
IN2	DIN 8-pin PowerLink
OUT	DIN 8-pin PowerLink
Power	12V DC 300mA