

Powerlink AUX Switch

OneRemote Type 30017784

User Manual



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POWERLINK AUX SWITCH TYPE 30017784

The OneRemote Powerlink Switch is developed for use with active (powered) B&O speakers connected with Powerlink DIN cables. Adaptors may be used if speakers or a source is equipped with RJ45 connectors.

With the 3007784 Powerlink AUX Switch two sound sources can share one set of Powerlink speakers.

INA	Any volume regulated AUX line signal.
INB	Bang & Olufsen Powerlink source.
OUT	Bang & Olufsen Powerlink speakers.

When a Line audio signal is sensed on the **INA** socket, the speakers will power on and play the AUX source. When the Line signal has been undetected for 20 seconds, the speakers will power off. The 20 second delay prevents the speaker from powering off during short periods of no sound i.e. the pause between two music numbers.

As the INB has priority, sound from **INA** will not be heard if the **INB** source is on.

PRIORITY SWITCHING MODE

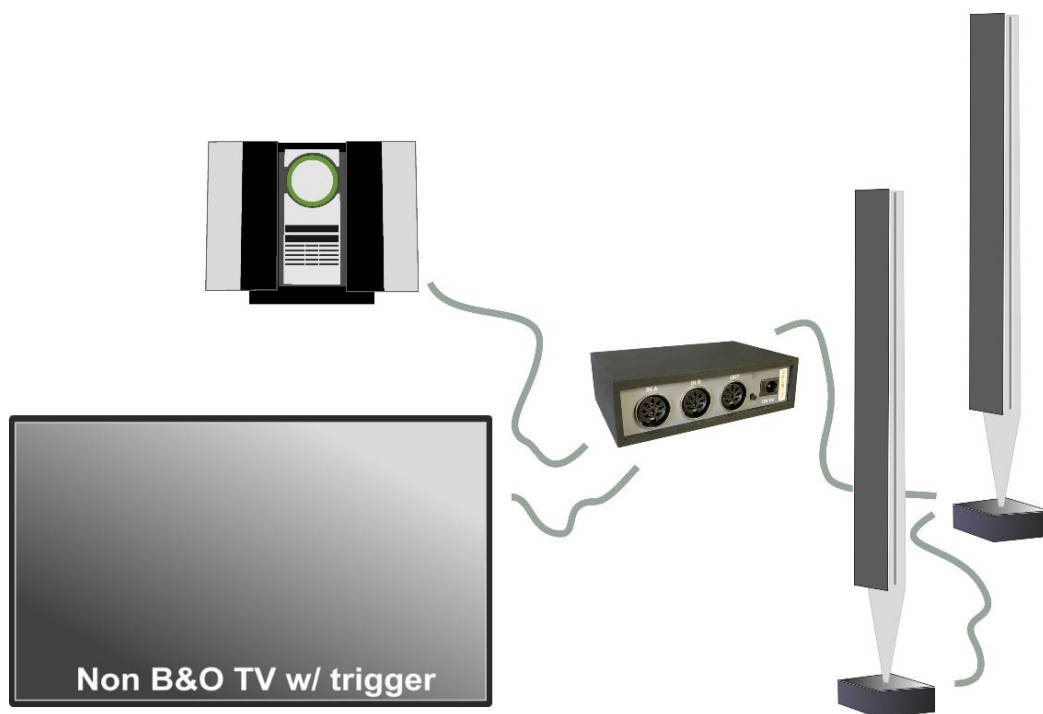
When one of the sources is powered on, sound from this input will be routed to the output of the switch and the speaker will power on.

If **both** IN1 and IN2 sources are powered on, **INB** input will always have priority.

INA	INB	Out
ON	OFF	INA
ON	ON	INB
OFF	ON	INB
OFF	OFF	Speaker powered off

LED INDICATION

<p>Red/ Red flash</p>	<p>Red indicates when there is sound detected on the INA socket.</p> <p>At low volume the LED will flash red every time it detects a level above the threshold. Every little flash resets the power off timeout to 20 seconds.</p> <p>When there is no red flash for 20 seconds, no sound, the speaker will be powered off.</p>
<p>Green</p>	<p>Power ON, idle.</p>



*Example of use with a **NON** Bang & Olufsen TV and a BeoSound audio product sharing BeoLab speakers.
The connected device must have a volume regulated LINE or Headphone output.*

FEATURES

GALVANIC ISOLATION

Using relays provide galvanic isolation, the input signals are completely separated from each other.

This prevents problems with floating grounds and the two separate ground potentials for both data and audio.

- Sound signals are switched with real mechanical relays.
- Data ground signal is switched separately with a relay.
- Analog ground signal is switched **separately** with a relay.

AUDIO PASS

As the switching between sources is handled with mechanical relays, the audio signals are passed completely without any modification; the output of the switch is the same that enters the input.

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 adapter.

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 can be used but is not recommended.

When connected to Powerlink sources, there is no need for further programming.

TECHNICAL SPECIFICATIONS

Dimensions	28 x 95 x 63 mm
Included accessories	Power Adaptor 12VDC @ 100mA Adaptor cable DIN to Jack 3.5 Female Adaptor Jack 3.5 to RCA.
Not included	Powerlink Cables

CONNECTIONS



SOCKET INA	<ul style="list-style-type: none"> • DIN 2, 6 + Shield: Ground • DIN 3: Left, AUX LINE • DIN 5: Right, AUX LINE
SOCKET INB	Powerlink (Bang & Olufsen)
OUT	Powerlink (Bang & Olufsen)
POWER	12V DC
SWITCH	No function for this model.