

OneRemote Type 30017714

HDMI ARC converter for Bang & Olufsen Speakers

For use with Bang & Olufsen Speakers only

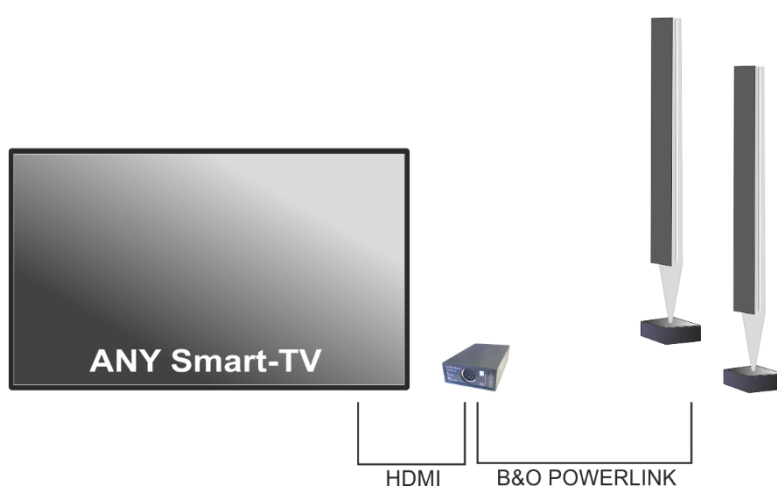
Installation Guide



With the OneRemote **HDMI to Powerlink converter** type 30017714, Bang & Olufsen speakers may be connected to **any** Smart-TV. ^{*1}

Connected speakers automatically powers on and off with the TV, and the volume is controlled with the Smart-TV's own remote control.

This guide shows how to connect the plug & play converter.



^{*1}

Any SMART-TV has one dedicated HDMI socket, named ARC.

For many years non-SMART TVs have also been equipped with ARC.

INSTALLATION



Control LED
USB 5V Power
HDMI input from TV ARC



DIN Socket for B&O powered Speakers.
R Volume level for Right Speaker
L Volume level Left Speaker.

HDMI INPUT

Connect the OneRemote *HDMI to Powerlink converter* to the HDMI **ARC** port on the TV. Only one of the TV's HDMI ports has ARC functionality, make sure to connect the right one. The supplied HDMI cable may be used.

POWER SUPPLY

Connect the USB socket on the *HDMI to Powerlink Converter* to the supplied USB Power supply, using the supplied USB-cable.

In some cases, one of the USB sockets on the TV can be used as Power Supply. But it is recommended to use the provided USB-Power Supply.

POWERLINK OUTPUT

Connect the DIN output of the *HDMI to Powerlink converter* to Bang & Olufsen speakers, using a Powerlink cable. Powerlink cables are not included. A Powerlink cable includes both left and right channel.

- *Use appropriate cables and adapters, depending on the speakers.*
- *Some Bang & Olufsen speakers make use of DIN connectors, others RJ45 connectors.*
- *Some Bang & Olufsen speakers may be connected in daisy chain, others need separate cables for each speaker. If in doubt, ask your dealer or oneremote.dk.*

L+R VOLUME LEVEL ADJUSTING

As the volume level from different TVs varies from brand to brand and even from model to model, it might be necessary to adjust the volume output to the speakers.

If the volume is too high, left and right volume can be adjusted individually.

USE ONLY A SLOTTED (FLAT) SCREWDRIVER AT 2 – 2.5 MM

A SCREWDRIVER BIT IS PERFECT, USED WITHOUT TOOL.

ADJUST GENTLY, NO FORCE IS NEEDED.



TV INSTALLATION MENU

Most TVs will communicate with the *HDMI to Powerlink converter* and automatically autoconfigure itself, when powered on.

Thus, setting up explained in this chapter is **only** required if the TV does **NOT** autoconfigure.

**The HDMI to Powerlink converter needs PCM
or LPCM audio formatted signal from the TV.**

Setting up the ARC HDMI output of the TV to deliver a PCM format may require settings on several pages of TVs installation menu.

ENABLE CEC FUNCTIONALITY

The CEC function must be enabled on the TV, to establish communication between the TV and the *HDMI to Powerlink Converter*.

CEC is named differently by the TV brands. CEC is the technical name for control data that flows from the TV to external devices like the HDMI to Powerlink converter. This data makes the HDMI to Powerlink converter able to power on and off the Bang & Olufsen speaker and control the volume level, using the TVs remote control.

SET THE CORRECT AUDIO OUTPUT DEVICE/ SPEAKER:

In the Sound Settings change the audio output/ speaker selection to **HDMI ARC, EXTERNAL SPEAKER(ARC), AUDIO SYSTEM** or a similar option.

Usually, after selecting this option, the TVs built-in speakers will automatically mute.

SET THE AUDIO OUTPUT FORMAT TO PCM OR LPCM.

In the TVs sound setting or advanced sound settings, find the digital audio output format or HDMI ARC audio format option.

Set output audio format to **PCM** or **LPCM** only!

If set to other formats (such as Auto, Source, Dolby/DTS e.t.c.) there may be no sound decoded or noise.

Some TVs have this setting placed on the 'Optical' subpage, for some reason.

DAILY USE

Once the HDMI CEC have been enabled in the TVs settings during installation, there is no daily use to perform.

Every time the TV is powered on hereafter, the TV will configure itself.

TROUBLESHOOTING

If the TV will not connect to the HDMI to Powerlink converter:

1. Try to remove mains power to the TV for 3 minutes and connect it again.
2. In some rare cases it may be necessary to reset the TV to factory settings.