

Neo TV – Samsung – User Guide

User manual for the product Neo TV. The product is a link between a TV from Samsung and B&O speakers. It is operated with a B&O remote control.

The guide covers Release 2 (R2) of the product.



Introduction

A good film is best experienced if both picture and sound are perfect.

The picture on a TV from Samsung is perfect, but the sound from Bang & Olufsen speakers is missing.

Neo TV ensures that the sound is transferred digitally to the B&O speaker via power link. The sound and TV are regulated with the well-known remote control from B&O.

Safety

In order to comply with safety and not cause any damage to physical products or people, the following must be respected.

- Immediately check that the packaging is not damaged and the Neo TV is not damaged. Do not use the product if it is damaged. Contact your supplier.
- Dispose of the packaging in accordance with the applicable regulations where you live.
- Use only the supplied AC/DC supply
- Use only approved cables
- Do not insert objects other than approved cables into plugs and holes
- Do not disassemble the product or modify the product.
- Do not subject the product to strong shocks or vibrations
- Stop using the product if you see smoke or experience a strange smell from the product
- Do not use organic solvents such as alcohol, benzine or paint thinner to clean the product.
- Do not wet the product with any means.
- Periodically remove dust from the product with a dry cloth.
- Do not wrap the product in fabric or adhesive so that the product cannot receive fresh air.
- Do not insert your fingers into open connectors or other openings in the product
- Small loose screws are included for mounting the product - make sure that children do not have access to the screws

Environmental considerations

If Neo TV is no longer functional or is no longer to be used, it must be disposed of properly. Hand it in for recycling in your municipality so that the product's parts can be recycled or destroyed properly.

Contents of the package

Before you start installing the product, check that the package contains a Neo TV with a 12V power supply.



Not included

- Toslink cable between Neo TV and your TV
- Network cable for the Internet
- Power Link cable

These cables can be purchased at [Neo Shop](#)

Overview of daily operation

TV	Beo4	Beo4 Navi	BeoRemote One	samsung remote
Turn on the TV	TV	TV	TV	Standby button
Turn off the TV	Standby button	Standby button	Standby button	Standby button
Channel change on TV – up	Yellow button	Yellow button	P+	Channel - up arrow
Channel change on TV – down	Blue button	Blue button	P-	Channel - down arrow

TV	Beo4	Beo4 Navi	BeoRemote One	samsung remote
TV Guide (EPG)	Green button	Green button	Guide	Guide
Home Menu	Menu	Menu	Menu	Home
Input	DTV/SAT	DTV	MyBottom 1	Input
Settings	Red button LIST + Format	Red button LIST + Format	MyBottom 2 LIST + Format	Settings
Back in a menu	Stop	Stop	back	back
Exit out of all menus	Exit	back	Exit	
Mute the sound	Volume up/down	Volume up/down	Volume up/down	Mute

Setting up the product

Do not connect the included power supply until all other cables have been installed.

Place the Neo TV in a safe place so that the IR signal from the B&O remote control has unobstructed access to the Neo TV.

Before use, it must be ensured that all installed cables are not damaged or have visible external damage.

The product must be set up before use. The following setup of the product must be performed

- Preparation of the B&O remote control
- Neo TV must be adapted to the installed TV make
- The TV must be prepared so that the sound comes out of the digital output, which ensures that the sound is transferred in the best way to the B&O speaker
- Setting the sound level on the B&O speaker



Cable
Optical Toslink to TV

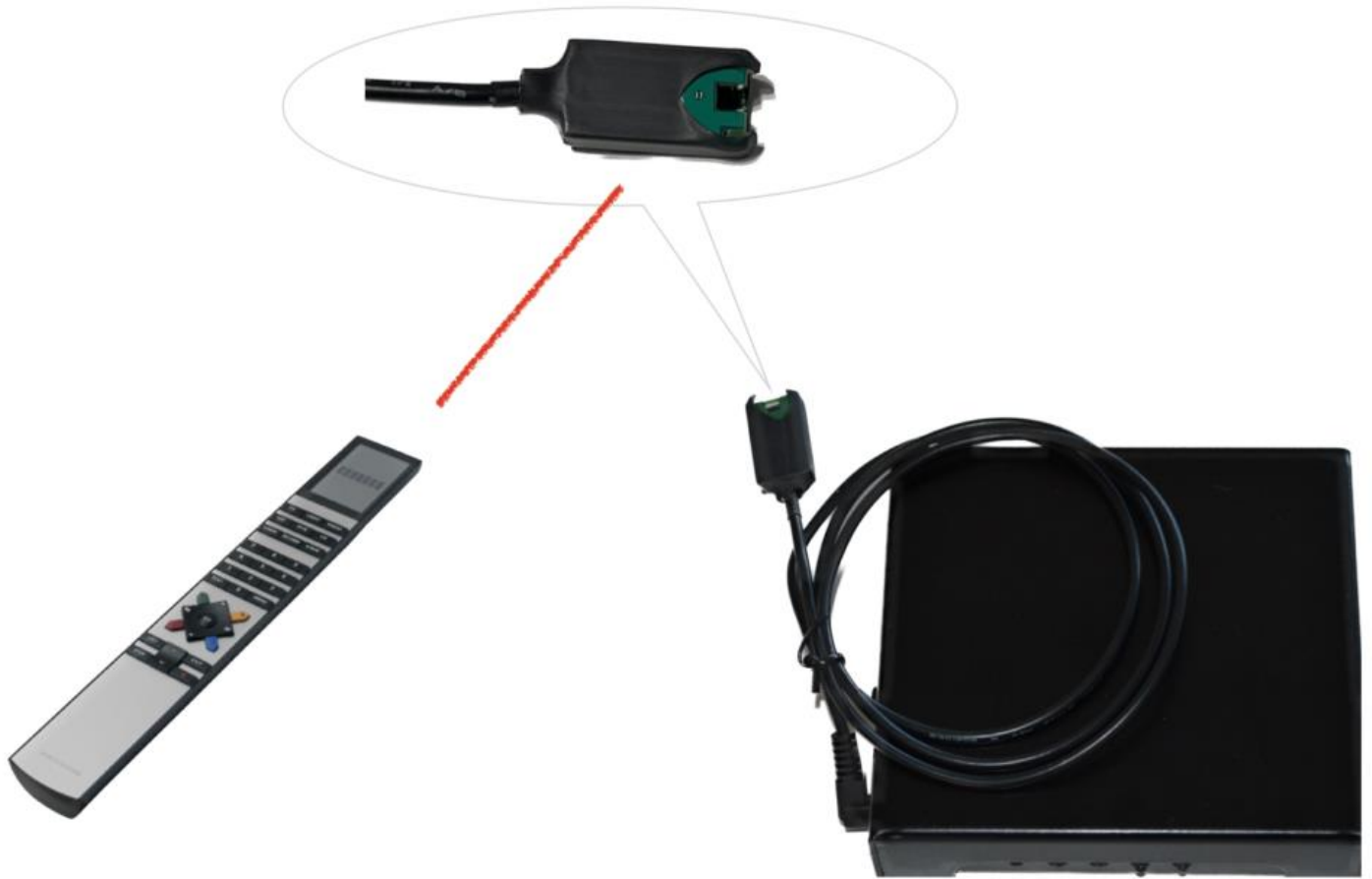
Cable
RJ45 to Power Link



To ensure stable operation of the TV and the sound, Neo TV must have a good view of the IR signal from the B&O remote control.

The IR reception is carried out in a small unit which can be positioned correctly in relation to the remote control.

Position the device with the best possible direct line of sight to the remote control.



Attach it to the bottom of the TV

Fix it on the TV table

Leave it hanging on the cable behind the TV

Try different positions if the operation fails

Neo TV can be placed in the TV cabinet or hidden away in another way.

Preparation of the B&O remote control

You must adapt your B&O remote control to the new setup with your TV. It is recommended to read the manual on the B&O remote control used - which can be downloaded directly from Bang & Olufsen's website.

You must adapt the remote control to the necessary buttons in the LIST menu.

Add in the LIST menu - the "FORMAT" button - this is used to create Settings on the TV

The method for adding buttons in the LIST menu appears in the manual on the Bang & Olufsen website.

Setting up the TV for correct sound output

Neo TV receives the sound from the TV digitally via an optical fiber cable, also called Optical Toslink. [It can be purchased here](#)

The sound is sent directly through the Neo TV to the B&O speaker via the Power Link cable. [It can be purchased here](#)

There is volume regulation of the sound - which is controlled from the B&O remote control - but otherwise the sound is not disturbed.

The TV must be set up to send the sound out of the optical toslink output.

Some TVs have the option to send the sound both to Toslink and the TV's own speaker or only to Toslink. We only recommend the Toslink output, so that the sound can only be regulated via the B&O remote control.

Consult the TV's own manual to do this setup.

Typically this happens by choosing

- **Settings** on TV, hereafter
- **sound** and finally
- **Audio output**

Vælg **Optical**.

Vælg **PCM**

Note - very important: Digital audio output must be set to PCM - otherwise the sound will not work on Neo TV and thus in your B&O speaker.

Note - Neo TV turns on when TV turns on and turns off when TV turns off. This is controlled by the optical cable. It is therefore important that the optical signal is present. Check it by looking at the end of the cable - if there is a red light, then the optical signal is present and it is set up correctly.

Choice of TV brand

Neo TV has been developed to fit several TV brands. The following brands can be used

Number	Make	Remark
101	LG	In operation
102	Samsung	In operation
103	Philips	In operation
104	Sony	In operation
105	Loewe (We See, Bild C and Bild I)	In operation

Number	Make	Remark
106	Panasonic	In operation
107	Sharp	Planned
108	Hisense	Planned
109	Loewe (Image 1,2,3,V,S)	In operation

If you want to change the TV make, do the following

(NOTE, this can only be done when the TV is off/standby. If you are not sure if the TV is in standby, remove the power from the TV before setting up)

MENU is the menu button on the remote control)

MENU 1 XXX GO

You must replace the 3 pieces XXX with the number in the table. For example, if you want to set up for Samsung TV with number 102, you must do the following

MENU 1 102 GO

When the setup is done, the setup is saved automatically. If the setup went well, two short beeps will be heard. If you hear a long BEEP, the setup did not go well and you need to redo it.

Setting up the sound level on the Beolab speaker

The sound from the B&O speaker can be adjusted with the B&O remote control.

The sound can be set up in two areas. A desired start-up sound and a maximum sound level can be set.

Startup sound

The startup sound can be adjusted between 0% (the sound is completely gone) to 100% (the sound is at maximum level). From the factory, the starting level is limited to 20%. This can be changed between 0% and 100%.

Warning - do not set the start volume higher than 50%. It can cause hearing damage to people in the room.

You don't have to worry if the starting sound of 20% is satisfactory.

If you want to change the start sound, you can do the following via the LIST buttons.

(NOTE, this can only be done when the TV is off/standby. MENU is the menu button on the remote control).

Marking:

MENU 3 XXX GO

You must then replace the three XXX with your desired start sound level. You write eg 000 for 0% or 010 for 10% or 030 for 30% sound level.

If you want to set 30% start sound level, press the following

MENU 3 030 GO

If the setup went well, you will hear 2 short BEEP sounds. If the setup did not go well, you will hear a long BEEP sound. Try again until you get 2 short BEEP sounds.

Note that the start-up sound cannot be set higher than the maximum sound level. From the factory, the maximum sound level is set to 100%, but can be set lower (see next section).

Maximum sound

MENU 2 XXX GO

Software update

Neo TV software can be updated. [Read here how](#)

Technical help

If a technical problem occurs with Neo TV, you must remedy the error before contacting the place of purchase.

You can also read more at Neomesteren Homepage - [www.neomesteren. Dk](http://www.neomesteren.Dk)

If the product is in a state where the product no longer responds to the remote control, you can try the following

1. Disconnect the power to the product by unplugging the power supply from the outlet or disconnecting the 12 V cord from the product. Wait 5 seconds and reconnect the power. If this does not help, go to point 2
2. You can reset the product - back to its original setting. This is done by pressing the following on the remote control. TV must be switched off.
Note that you must then set up the product again - see above in the manual.

MENU 9 9 9 8 GO

It will reset all settings

3. Remove the 12 V cable from the Neo TV. Wait 10 seconds.
Press and hold the Reset button on the product.
(Use the end of a paper clip or similar. Press carefully so you don't damage the small push button inside the product)
Now connect the power simultaneous by holding down the Reset button.
This will reset everything on the product and you will have to perform the setup again.

You will subsequently hear 4 short beeps as a response that it went well.



Reset knap