OneRemote Radio PL4

Installation Guide

DAB/DAB+ – FM - Internet Radio – Spotify
Bluetooth – UPnP – Podcast

one>remote

PREFACE

This OneRemote PL4 receiver has been equipped with advanced OneRemote circuitry enabling it to be controlled with a Bang & Olufsen remote control terminal. This modified receiver is named OneRemote Radio PL4.

- Radio PL4 may be controlled with any Bang & Olufsen remote control terminal from 1988 or later.

- Radio PL4 can also be controlled via iPhones, iPods, iPads and Android telephones and tablets using the UNDOK app.

Connect the Radio PL4 to a set of Bang & Olufsen BeoLab speakers with PowerLink sockets and Radio PL4 may be controlled immediately with a Bang and Olufsen remote.

Important:

Make sure to program the most important presets for the user during the initial installation, for optimal user experience.
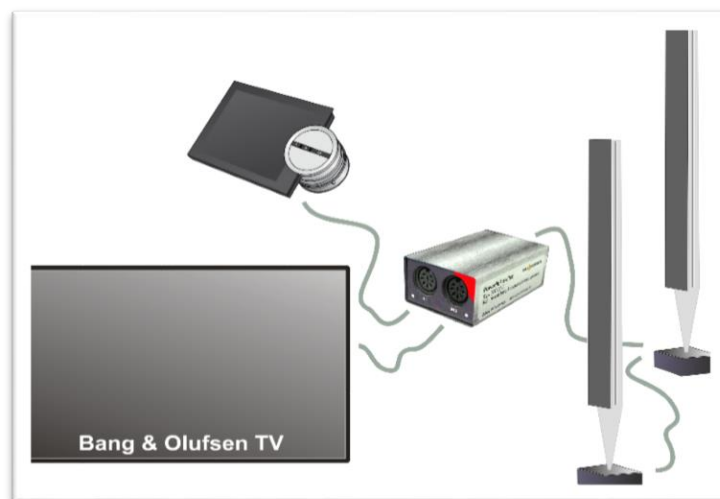
contents

CONNECTIONS

POWERLINK SPEAKER CABLE

The OneRemote Radio PL4 connects to Bang & Olufsen BeoLab speakers with an ordinary 8-pin PowerLink cable with DIN connectors. These connectors carry both right and left signals. The speaker connection is like in any other Bang & Olufsen setup either:

1. One speaker connects to the OneRemote Radio PL4 with one PowerLink cable and the second speaker connects in turn to the first one with another PowerLink cable.

2. Using a PowerLink splitter each speaker is connected separately with its own PowerLink cable.

If the Bang & Olufsen BeoLab speaker is equipped with a RJ 45 socket instead of 8 pin DIN a suitable converter cable must be used.

Tip: Share a Bang & Olufsen speaker with Bang & Olufsen another device,
using a OneRemote Powerlink Switch type 30017742.

BEOLINK PASSIVE & BEOLINK ML/MCL CONVERTER, POWER AMPLIFIERS

The OneRemote Radio PL4 connects to a BeoLink Passive or to the identical BeoLink ML/MCL Converter with the adaptor cable, OneRemote LSNUT414 type 392074439.

Without this adaptor cable the OneRemote Radio PL4 cannot turn on this type of amplifier.

ANTENNA CONNECTION

The OneRemote Radio PL4 requires an antenna signal of sufficient strength and quality.

To be able to receive both DAB+ and FM programs the antenna signal needs to contain both DAB+ and FM frequencies.

- If the FM signal is not strong enough noise shall be heard on the channel received.
- If the DAB+ signal is not of sufficient quality everything from babbling to complete lack of sound shall be the result.
- If the OneRemote Radio PL4 is not to be used for FM or DAB+ listening this antenna input needs not be connected.

WIRELESS INTERNET CONNECTION, WIFI

Internet Radio and Spotify depend on an Internet connection with sufficient signal quality. If WiFi is used, the signal strength is indicated on the display.

Poor WiFi coverage gives the usual WiFi connection problems:

- o The sound source does not connect
- o The sound disappears now and then.
- o One becomes sad.

If these problems occur, try moving the Radio PL4 closer to the Wireless Router/ AP or have the WiFi installation adjusted.

Using a Wired connection instead of WiFi removes the dependency of a prober WiFi connection.

WIRED INTERNET CONNECTION

Connect the Internet cable to the socket labeled Network.

In the setup menu choose Wired.

OPTICAL OUT

This socket enables connection to Bang & Olufsen equipment with optical sound input.

LINE OUT

This socket has been disabled.

MUSIC-SOURCE SELECTION

A Multiroom system is achieved when more than one OneRemote Radio PL4 is installed, and it is possible to listen to different sound sources in different rooms.

The OneRemote Radio PL4 units may be controlled individually or in groups. Genuine multiroom.

Multiroom control is handled with the app UNDOK, available for Apple and Android devices. See the chapter concerning apps.

WITH BANG & OLUFSEN REMOTES

Check the User Guide for daily control of the OneRemote Radio PL4.

WITH THE UNDOK APP FOR APPLE IOS – IPHONE, IPAD AND MAC

The OneRemote Radio PL4 may be fully controlled via WiFi with the free UNDOK app for Apple devices like iPhone, iPad and MAC computers. UNDOK is available from the App Store.

With more OneRemote Radio PL4 units in the home they may all be controlled with this app, even in groups.

Start the UNDOK app and select the OneRemote Radio PL4 to be controlled. If its name has not been changed during the initial installation, it is named **HAMxxx**.
With more than one OneRemote Radio PL4 in the home their names have been changed to more descriptive ones like "living room, bedroom" etc.

Check *www.frontier-silicon.com* for more info about **UNDOK**.

WITH THE UNDOK APP FOR ANDROID DEVICES

The OneRemote Radio PL4 may be fully controlled via WiFi with the free **UNDOK** app for Android devices like smart phones and tablets. **UNDOK** is available from Google Play.

With more OneRemote Radio PL4 units in the home they may all be controlled with this app, even in groups.

Start the UNDOK app and select the OneRemote Radio PL4 to be controlled. If its name has not been changed during the initial installation, it is named **HAMxxx.**

With more than one OneRemote Radio PL4 in the home their names have been changed to more descriptive ones like "living room, bedroom" etc.

Check www.frontier-silicon.com for more info about **UNDOK**.

WITH THE SPOTIFY APP

The original Spotify app is used for the OneRemote Radio PL4. Thus, no special app is needed.

When selecting Spotify music via the smart phone the phone may still be used for phone calls simultaneously or even turned off completely. The selected music continues playing.

ONLINE EDITING OF PERSONAL LISTS OF RADIO STATIONS

Internet stations on one or more Radio PL4 receivers may be edited on www.wifiradio-frontier.com . Lists are easy to create, and an overview of the thousands of available stations is favorable.

A FREE account may be created and "Access Code" for each Radio PL4 using the created lists added.

An Access Code is the Radio PL4 receivers ID or password.

With an account created personal lists,"bookmarks", with own favorites may be created. With lists created or edited all changes are seen immediately on all the Radio PL4s registered to this particular account.

The Radio PL4's Access Code is found at Internet **Radio/ help**. Select Get Access Code.

4 each Radio PL4 receivers registered to the same account. Any change to this account is immediately seen on all 4 receivers.

OPTIONS

The OneRemote Radio PL4 option programming is only required during the initial installation and it is carried out with a Bang & Olufsen remote.

Options are used to activate or de-activate various special functions. Thus, it might be necessary to add several options, in which case they are added one by one.

When power is applied to OneRemote Radio PL4, the LED will flash for 8 seconds. Then it will go out.

Within these 8 seconds an Option code-sequence may be initiated. 8 Seconds are available to enter each digit, so there is no rush.

SPECIAL OPTIONS

The tables below show the available Options for OneRemote Radio PL4.

The **GOTO** may be replaced with **LIGHT** .

Options may be programmed only at boot of Radio PL4. See above.

SOURCE KEY	Factory	Option
Radio	x	LIGHT 9 3 0 ●
N.Radio (Phono)		LIGHT 9 3 1 ●
PC		LIGHT 9 3 2 ●
DTV (Satellite)		LIGHT 9 3 9 ●

LINK SOURCE	Factory	Option
OneRemote Radio PL4 will power on according to the selected Sourcekey.	x	LIGHT 9 4 0 ●
OneRemote Radio PL4 will power on according to the selected Sourcekey, but a LINK must be pressed prior. I.e. **LINK RADIO**		LIGHT 9 4 1 ●

DISABLE LED	Factory	Option
Disable the LED so it will not light up, when the Radio PL4 is powered on.		`LIGHT` `9` `5` `0` `●`
Enable the LED so it will light up, when the Radio PL4 is powered on.	x	`LIGHT` `9` `5` `1` `●`

POWER OFF WHEN SELECTING ANOTHER SOURCE	Fabrik	Option
OneRemote Radio PL4 will not power off when another Source is selected, like TV.	x	`LIGHT` `9` `9` `0` `●`
OneRemote Radio PL4 will power off when another Source is selected, like TV.		`LIGHT` `9` `9` `1` `●`

FACTORY CONFIG		
Reset OPTION to factory configuration. Factory setting of the receiver firmware is performed in the settings menu.	x	`LIGHT` `STOP` `STOP` `STOP` `●`

OLDER BANG & OLUFSEN REMOTES

All Bang & Olufsen system remotes may be used to control the OneRemote Radio PL4.

Over the years Bang & Olufsen has marketed different models, where keys have been added, removed or name changed.

The good example is the old **PLAY** that was later called **GO** and finally turned into a small joystick.

If the remote does not have a **GO** key, press **PLAY** instead.

Refer to the User Guide for further information about using older Bang & Olufsen remote controls.