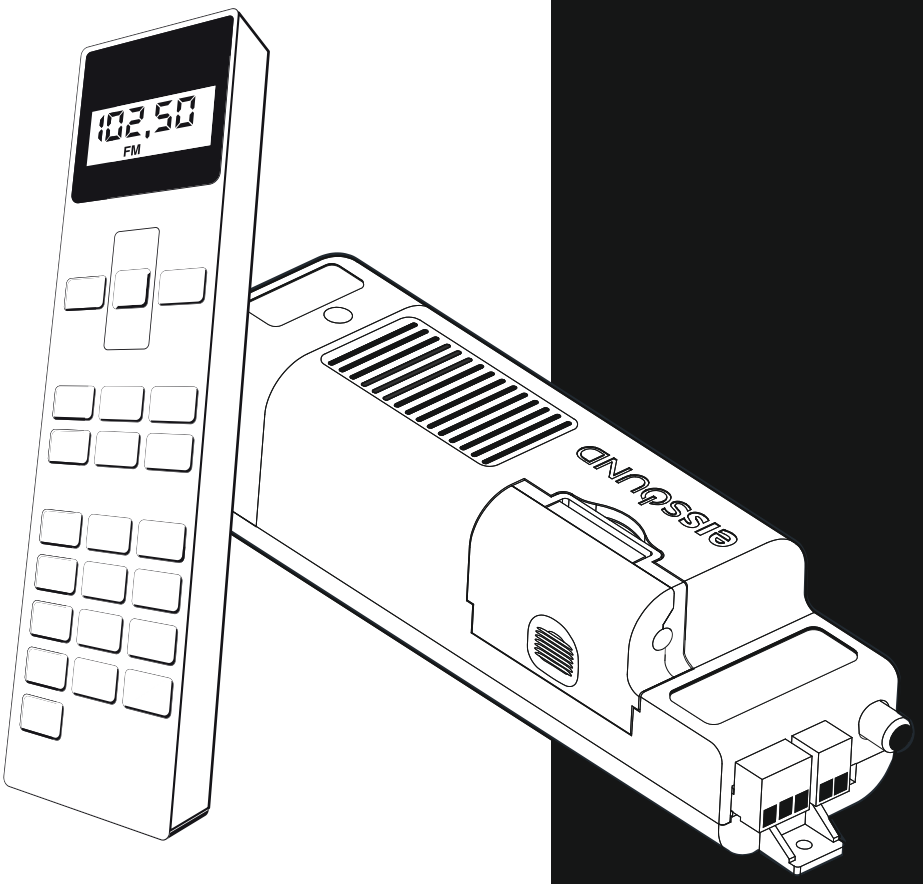
KNX INTERFACE

KBSOUND®



eissound

It's Soundlife!

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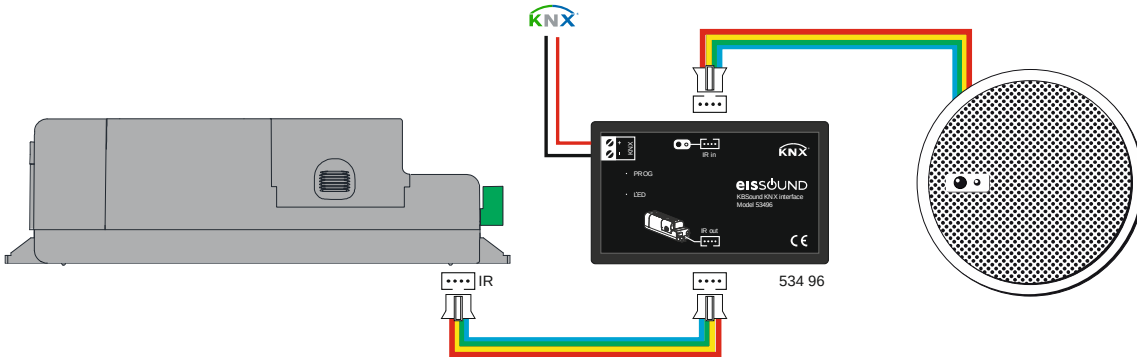
1 Installation

With the KBSound KNX Interface Module (Ref. 534 96) the main features of the KBSound can be controlled by different devices integrated in a KNX installation.

Connect the Interface Module Ref. 534 96 to the Electronic Module using the specific cables provided.



IMPORTANT: be sure that the Electronic Module and Dock have both the indication "Firmware ready for KNX"

2 Configuration

The configuration of Interface is performed by ETS software

1º From ETS import the project **EISSOUND KBSound KNX Interface.vd4**

2º Assign the address to the KBSound KNX Interface Module. To do this it is necessary to modify its ETS address and press the PROG button in the Interface Ref. 534 96 to enter it in program mode. The yellow led must be ON during the programming process.

3º Once the address has been configured we can link the objects provided by the Interface (36 in total) with the devices of the KNX installations. Each object has its functionality description mentioned in the field "Description" in the ETS main window.

IMPORTANT: The configuration of the objects of the KBSound KNX Interface should never be modified. Any modification could give rise to a loss of functionalities.

3 Object Table

The table annexed in the following pages relates the objects provided by KBSound KNX interface.

Object	Type	Description	Data
0	DPT 1	Standby On/Off	1.003 enable (1=music ON, 0=music OFF)
120	DPT 1	Standby	1.003 enable (1=music ON, 0=music OFF)
10	DPT 5	Channel Set	5.010 unsigned value
11	DPT1	Channel Up/Down	1.007 step backward/forward
114	DPT 5	Channel	5.010 unsigned value
1	DPT 5	Volume Set	5.1 scaling
2	DPT 1	Volume Up/Down	1.007 step decrease/increase
119	DPT 5	Volume	5.1 scaling
3	DPT 5	Balance Set	5.1 scaling
4	DPT 1	Balance Up/Down	1.007 step decrease/increase
118	DPT 5	Balance	5.1 scaling
5	DPT 5	Bass Set	5.1 scaling
6	DPT 1	Bass Up/Down	1.007 step decrease/increase
117	DPT 5	Bass	5.1 scaling
7	DPT 5	Treble Set	5.1 scaling
8	DPT 1	Treble Up/Down	1.007 step decrease/increase
116	DPT 5	Treble	5.1 scaling
9	DPT 1	Loudness On/Off	1.003 enable
115	DPT 1	Loudness	1.003 enable
15	DPT 1	FM Autoscan	1.003 enable
14	DPT 14	FM Station Set	14.033 frequency
13	DPT 1	FM Memory Up/Down	1.007 step backward/forward
12	DPT 1	FM Scan Up/Down	1.007 step backward/forward
121	DPT 14	FM Station	14.033 frequency
124	DPT 16	FM RDS	16.000 character string (ASCII)
18	DPT 1	DAB Update	1.003 enable
17	DPT 1	DAB Memory Up/Down	1.007 step backward/forward
16	DPT 1	DAB Scan Up/Down	1.007 step backward/forward
19	DPT 5	DAB Memory Set	5.010 unsigned value
122	DPT 5	DAB Memory	5.010 unsigned value
123	DPT 16	DAB Info	16.000 character string (ASCII)
20	DPT 1	iPod/Bluetooth Play/Pause	1.010 start/stop
21	DPT 1	iPod/Bluetooth Up/Down	1.007 step decrease/increase
127	DPT 16	iPod/Bluetooth Song	16.000 character string (ASCII)
126	DPT 16	iPod/Bluetooth Artist	16.000 character string (ASCII)
125	DPT 16	iPod/Bluetooth Album	16.000 character string (ASCII)

Note: *it has been required by KNX that every object that can be programmed as backward/forward or decrease/increase, must be programmed through ETS software as:*

0 = backward / decrease (in case of FM stations, implies lower frequencies)
1 = forward / increase (in case of FM stations, implies higher frequencies)

4 Comments

4.1.- Audio channels

The objects "channel" has the following values:

1 = FM tuner
3 = iPod (from Dock) / Bluetooth
4 = external AUDIO IN (from Dock)
5 = DAB tuner

The availability of some audio channels depends on the KBSOUND® model and the existence of the KBSOUND® Dock or the KBSOUND® Bluetooth® Accessory.

4.2.- DAB Objects

Objects related to DAB memories require previously do a "Program All" operation from IR remote control unit.

Objects related to DAB scanning require previously do an "Update" operation from IR remote control unit or from KNX (DAB Update object).

4.3.- Song title, artist and album information

When Dock is available, each change in the song playing is automatically updated in the KNX objects related.

When Bluetooth accessory is available, if the Bluetooth device does not inform about the change in the song, the update in the song information only takes place if the operation run from KNX (Play/Pause or Up/Down objects) or reading the song, artist and album objects

4.4.- Standby

Standby object values for the first version (1.1.0) of KBSOUND® KNX Interface Module (Ref. 534 96) were:

1 = music OFF
0 = music ON

From 1.2.0 version (July-2013):

0 = music OFF
1 = music ON

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