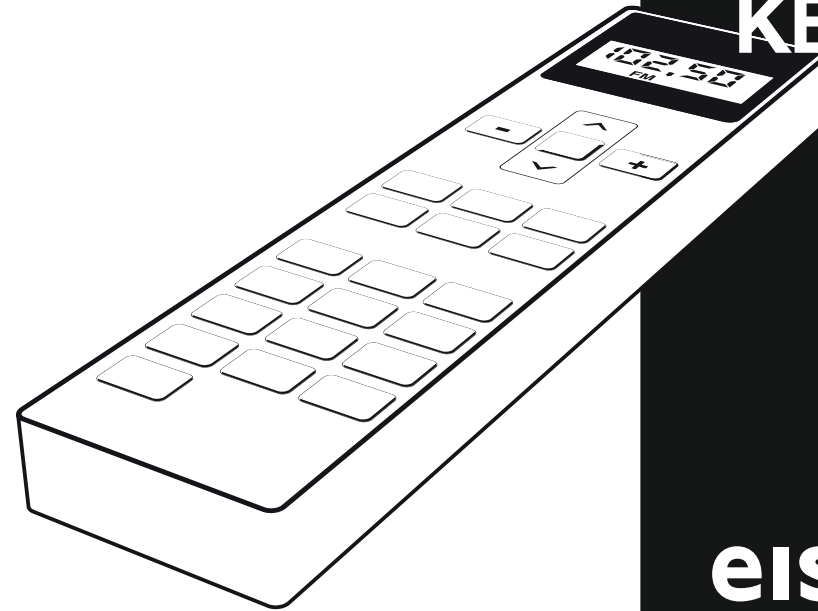# KBSOUND®
iSelect

KBSOUND®
SPACE

eISSOUND

It's Soundlife!

Important Safety Instructions

Before installing the unit, please read and follow the instructions provided in the Installation Manual included in this kit.

Before operating the unit, please read and follow the instructions provided in this User´s Manual thoroughly and save it for future reference.

WARNING - To reduce the risk of fire or electric shock:

> install in accordance with the manufacturer's instructions
>
> do not expose this apparatus to water dripping or splashing
>
> do not use this product near water
>
> do not attempt to disassemble this unit
>
> do not block any ventilation openings
>
> do not install near any heat sources such as radiators, stoves or other equipment that produce heat.

CAUTION
RISK OF ELECTRIC SHOCK
DO NOT OPEN

You are cautioned that any changes or modifications not expressly mentioned in this manual could affect the normal operation of this equipment.

This product has been designed and tested to provide reasonable protection against harmful interference in residential installation. However there is no guarantee that interference will not affect in a particular installation. In these cases, reorient the receiving antenna, try to increase the separation between the equipment and the source of interference and/or connect the equipment into an outlet on a circuit different from that to which the source of interference is connected.

The entire risk of the installation, use, results and performance are borne by you.

When a socket plug, or a device connector is used as a mechanism to disconnect from the electrical mains, the mechanism must be easily accessible at all times. Protect the power cord from being walked on or pinched particularly at plugs and the point where they exit from the apparatus.

Only use attachments/accessories specified by the manufacturer.

Use a certified technician for installation, repair and/or maintenance of this equipment and comply with all the regulations in force in each country. Servicing maybe required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to water dripping or splashing, does not operate normally, or has been dropped.

To change the batteries remove the cover by pressing on the tab while lifting the cover.
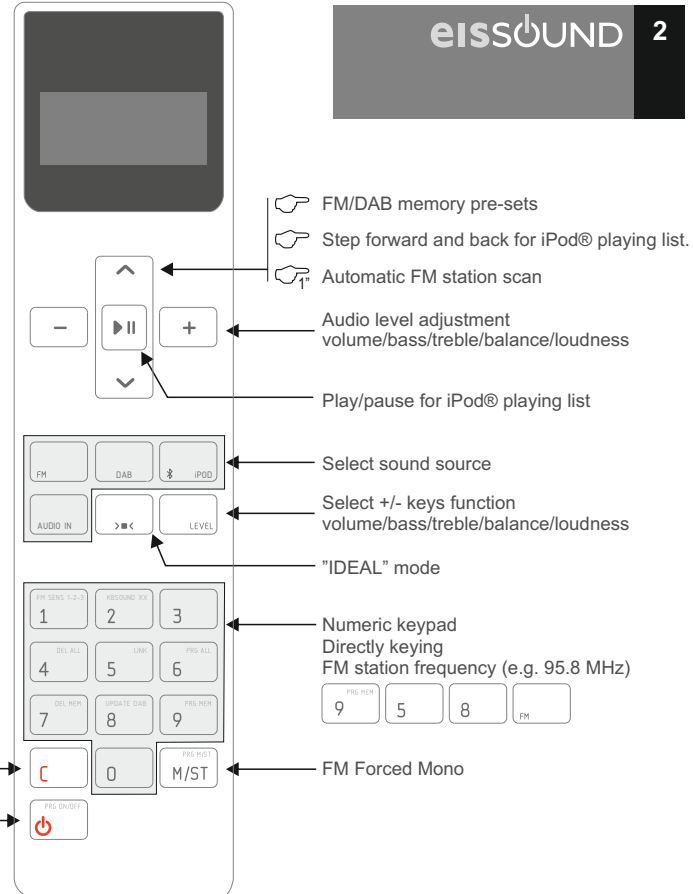Use batteries type AA 1,5V. Do not discard used batteries with household waste.

Table of Contents

eIS**SOUND** 2

Automatic FM station search sensitivity 2" SENS 1-2-3 1

Delete all FM tuning pre-sets 6" DEL ALL 4

Store all FM stations detected 6" PRG ALL 6

Delete individual FM tuning pre-sets 2" DEL MEM 7

Store individual FM station pre-sets 2" PRG MEM 9

Store "IDEAL" setting 2" >■<

Program MONO for all sound sources 6" PRG M/ST M/ST

Store turn-on mode (on/off) 2" PRG ON/OFF ⏻

KBSOUND® **DOCK** *or Bluetooth link* 6" LINK 5

Save the kit numeric identification for Bluetooth pairing 6" SOUND XX 2

To illustrate that an operation requires holding down a key on the remote control for a specific amount of time, the ☞ symbol will appear in the manual next to the key. The screen will display the [F] symbol.

☞ FM/DAB memory pre-sets

☞ Step forward and back for iPod® playing list.

☞ 1" Automatic FM station scan

Audio level adjustment volume/bass/treble/balance/loudness

Play/pause for iPod® playing list

Select sound source

Select +/- keys function volume/bass/treble/balance/loudness

"IDEAL" mode

Numeric keypad
Directly keying
FM station frequency (e.g. 95.8 MHz)

PRG MEM 9   5   8   FM

FM Forced Mono

Clear

On/off

FM   DAB   ⃰ iPOD

AUDIO IN   >■<   LEVEL

FM SENS 1-2-3 1   KBSOUND XX 2   3
DEL ALL 4   LINK 5   PRG ALL 6
DEL MEM 7   UPDATE DAB 8   PRG MEM 9
Ϲ   0   PRG M/ST M/ST
PRG ON/OFF ⏻

CC-1152ENG-03

KBSOUND®iSelect is a sound device specially designed for quick and easy installation. It fits discreetly into the decor of your kitchen, bathroom or anywhere in your home.

The **KB**SOUND®iSelect Kit comprises:

- Electronic module with built-in FM tuner and power supply.

  ‣ 1,5W + 1,5W stereo audio output.

- Two 2.5" or two 5" loudspeakers.

- Remote control with the following functions:

  ‣ Volume, bass, treble and balance control.
  ‣ 'Forced Mono' function.
  ‣ FM and RDS information..
  ‣ Ability to directly key-in desired station frequency.
  ‣ Ability to automatically store into memory stations received with the best reception.
  ‣ 30 memory pre-sets.
  ‣ "Intelligent" loudness: automatic adjustment to the volume level.

When connected with the wireless **KB**SOUND®**DOCK** Accessory (not included in this kit), the user has two additional sound sources: the iPod/iPhone and an external sound source using a 3,5mm jack input.
When connected with the wireless **KB**SOUND®**Bluetooth**® Accessory (not included in this kit), allows the user to listen to the music stored in any device that has the ability to transmit via Bluetooth.

The components supplied in this kit are for installation and use in the manner and for the purpose described in the Installation Manual and the User Manual. The installation must also comply with each country's current regulations. This manual assumes that the KBSOUND®
iSelect unit has been installed following the instructions provided in the Installation Sheet included in this kit.

KBSOUND®SPACE is a sound device specially designed for quick and easy installation. Is our new custom made audio solution. It´s open ended allowing you to choose your loudspeakers and amplifiers tu fulfill the specific design requirements of your dream project with superb sound.

The **KB**SOUND®SPACE Kit comprises:

- Electronic module with built-in FM tuner, includes terminals to allow connecting external amplifier, improve wiring design and connecting terminals to facilitate easy installation, design to insert the Radio Frequency device to allow integration with the **KB**SOUND® DOCK and the **KB**SOUND®**Bluetooth**® Accessory.

- Infrared reciever / transmiter

- Remote control with the following functions:
  - ▸ Volume, bass, treble and balance control.
  - ▸ 'Forced Mono' function.
  - ▸ FM and RDS information..
  - ▸ Ability to directly key-in desired station frequency.
  - ▸ Ability to automatically store into memory stations received with the best reception.
  - ▸ 30 memory pre-sets.
 - ▸ "Intelligent" loudness: automatic adjustment to the volume level.

When connected with the wireless **KB**SOUND®**DOCK** Accessory (not included in this kit), the user has two additional sound sources: the iPod/iPhone and an external sound source using a 3,5mm jack input.
When connected with the wireless **KB**SOUND®**Bluetooth**® Accessory (not included in this kit), allows the user to listen to the music stored in any device that has the ability to transmit via Bluetooth.

The components supplied in this kit are for installation and use in the manner and for the purpose described in the Installation Manual and the User Manual. The installation must also comply with each country's current regulations. This manual assumes that the KBSOUND® SPACE unit has been installed following the instructions provided in the Installation Sheet included in this kit.

1.- None of the functions (except ON/OFF) work unless the remote control is in "on" mode.

2.- Once the **KB**SOUND® iSelect or SPACE is connected to the mains, it will remain powered even it is in OFF state. That means that the OFF state (as indicated in this manual) really means a "standby" state.

3.- A short BEEP sound signal indicates that the data has been received ♪ ▷**beep**

4.- The remote control unit exchanges information (transmits and receives data) by means of the transmission-reception capsule. If at any time there is a failure in the communication, the screen will display the ((◼︎▭ symbol. In the event of this occurring, point the remote control to the transmission-reception capsule at a straight-line distance of no greater than 5 meters.

5.- The remote control display will automatically turn off when there has been no keying activity for more than a few seconds, ensuring more efficient battery usage. To view the display information at any time, point the remote control to the transmission-reception capsule and press the key of the selected sound source at this time

5m
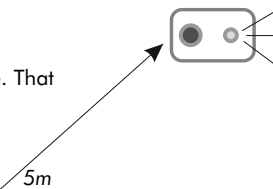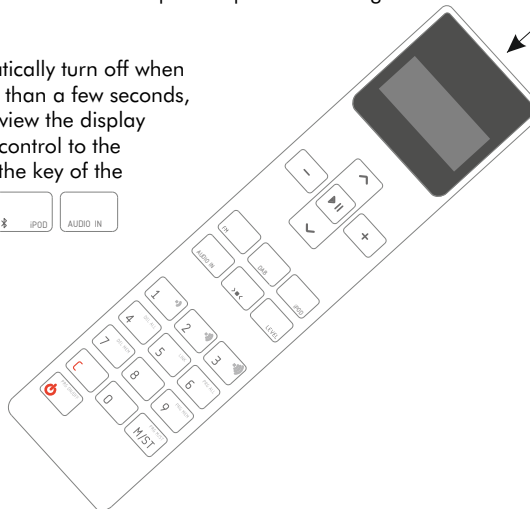
The KBSOUND® iSelect **or** SPACE **will turn on with the audio and station frequency settings saved as "ideal" mode settings (see chapters 3 and 6) when the unit is connected to a power supply.**

When switched off and on while connected to the power supply, the audio and station frequency settings will be as when the unit was switched off with the remote control ON/OFF key

Key Sequence	Display

If the electronic module is off, a brief press on the **ON/OFF key** will turn on the unit .
The LED will display the word "ON"
When the electronic module is off, the LED will be OFF.

PRG ON/OFF ⏻ — **ON**

Increase/decrease in the volume level: The LED will flash to indicate the desired change in volume.

− + — **VOL 58**

Increase/decrease in bass/treble levels: The LED will flash to indicate the desired change in the bass/treble levels.

LEVEL − + — **BAS+06**

Loudness: It reinforces the bass level in terms of the volume level, assuming a greater backing at a lower volume and a lesser backing at a higher volume.

LEVEL − + — **LD ON**

Mono/stereo reception: When activated, this feature allows the FM stations to be received in stereo. When deleted this feature only allows for mono reception.
Note: If the electronic module´s configuration is mono, the signal will always be received in mono even if the signal received by the antenna is in stereo.

PRG M/ST M/ST — **STEREO**

"IDEAL" mode of operation: To program your "IDEAL" mode of operation, select the sound source (FM, iPod, Audio In) and desired levels of volume, bass, treble and loudness. Also, if your choice is FM, select your favorite station. Then hold down the IDEAL key for 2 seconds.

☞2" ▸■◂ — **IDEAL ✓**

Then, this "IDEAL" mode can be instantly accessed by simply pressing the IDEAL key on the remote control.

▸■◂ — **IDEAL**

CC-1152ENG-03

Key Sequence	Display

4.1 Station Scan

While the search is taking place, the word "SCAN" will appear on the display screen.

SCAN

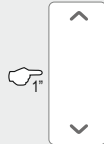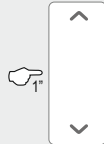The screen will duly display the station frequency of the next station found.
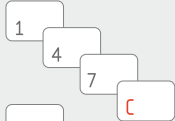
102.50 FM

4.2 Direct Key-in of Station Frequency

To directly key-in an FM station frequency, sequentially dial the numeric keys of the station frequency then press the FM key. For example, to select 94.7, press 9 4 7 FM.

9 4 7 FM

Note: A station frequency can be keyed-in as either 94.7 (9 4 7 FM) or as 94.70 (9 4 7 0 FM)

94.70 FM

To clear a digit and start a different frequency, press the C key

1 4 7 C

and then begin keying-in of the desired frequency

9 4 7 FM

94.70 FM

CC-1152ENG-03

Key Sequence	Display

4.3 Tuning to FM Memory Pre-Sets

The UP/DOWN keys allow you to scroll through the stations stored in the memory (see Chapters 4.4 and 4.5, Storing and Clearing Stations in Memory).

When stations are stored in the memory they are sorted in ascending order; that is, beginning with 87.5 and ending with 108.0.
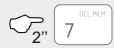
The screen will display the frequency of the station stored in that memory pre-set.

MEM 19

102.50 FM

4.4 Storing and Clearing Station Frequencies Manually

To *store a station*, tune to the station (see Chapters 4.1. Station Search and 4.2. Direct key-in of Station Frequency).

Hold down the 9 key for 2 seconds.
The station tuned at that time will be stored in the memory.

To *delete a station from the memory*, select the station and hold down the 7 key for 2 seconds. The station will be deleted from the memory.

94.70 FM

MEM 07

94.70 FM

DEL MEM

CC-1152ENG-03

Key Sequence	Display

4.5 Storing and Clearing Station Frequencies Automatically

To activate the _storing station frequencies automatically_ process, hold down key 6 for 6 seconds.

When the automatic programming begins the screen will display the word "AUTO".

The electronic module will store into the memory the stations that are received with the best reception, sequentially from lowest frequency (87.5 MHz) to highest frequency (108.0 MHz).
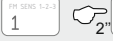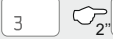
The system will use all the memory slots available, reaching a maximum of 30.

The process can take a few moments. Once the scan has been completed or once the maximum number of memory slots has been used, the process ends and a BEEP signal sounds.

To activate the _clearing station frequencies automatically_ process for all the memory slots, hold down 4 key for 6 seconds.

4.6 Adjusting Station Search Sensitivity

To adjust the automatic station search sensitivity (see 4.1. Station Search), select a value between 1 (minimum) and 3 (maximum) and press key FM SEN for 2 seconds

Key Sequence	Display
☞6" [6] PRG ALL	**AUTO** ⏻
	♪ ▷beep
☞6" [4] DEL ALL	**DEL ALL** ⏻
[1] FM SENS 1-2-3 ☞2" [1] FM SENS 1-2-3	**SENS 1** ⏻
[2] ☞2" [1] FM SENS 1-2-3	**SENS 2** ⏻
[3] ☞2" [1] FM SENS 1-2-3	**SENS 3** ⏻

CC-1152ENG-03

The wireless **KB**SOUND®**DOCK** Accessory for use with the **KB**SOUND®iSelect 2,5" or 5" and SPACE allows you to enjoy and listen to your music from all models of iPhone and iPod, and any other external sound source that can be connected to the Dock using a 3,5mm jack input.

When the Dock is powered from the external power supply, it recharges the iPod/iPhone.
IMPORTANT: use only the power supply supplied with the KBSOUND®**DOCK.**
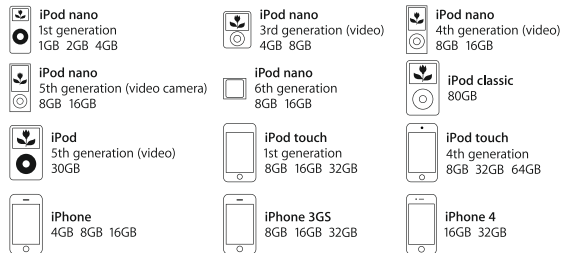
When the Dock is not connected to an external power supply it will be powered from the connected iPod/iPhone. In this case, the external audio source AUDIO IN is not available.

iPod nano 1st generation 1GB 2GB 4GB	
iPod nano 5th generation (video camera) 8GB 16GB	
iPod 5th generation (video) 30GB	
iPhone 4GB 8GB 16GB	

iPod nano 3rd generation (video) 4GB 8GB
iPod nano 6th generation 8GB 16GB
iPod touch 1st generation 8GB 16GB 32GB
iPhone 3GS 8GB 16GB 32GB

iPod nano 4th generation (video) 8GB 16GB
iPod classic 80GB
iPod touch 4th generation 8GB 32GB 64GB
iPhone 4 16GB 32GB

*These functions are available only when the **KB**SOUND®**DOCK** accesory is connected.*

Press key 5 for 6 seconds. Speaker led will flash in blue.

Power the Dock. Press the LINK key at the back of the Dock for 6 seconds. The Dock led will flash in blue.
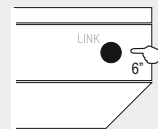
After a few seconds both leds will stop flashing and the Dock and the **KB**SOUND®iSelect or SPACE are linked.

The iPOD key on the remote control selects the iPod® from the Wireless Dock as the audio source input. When playing the Dock led will be green.

To play/pause the iPod®, use the key:

To step forward or back the iPod´s playing list, use the keys:

The Audio-in key on the remote control allows you to select the external audio source that is connected by a 3,5mm jack to the Dock. When playing the Dock led will be blue.

Key Sequence	Display
6" 5 LINK	
LINK 6"	eisso

*the **KB**SOUND®**DOCK** can be linked ONLY WITH ONE **KB**SOUND®iSelect or SPACE at any one time*

iPOD	**IPOD**
▶II	
∧	
∨	
AUDIO IN	**AUDIO IN**

Features available ONLY when the KBSOUND® Bluetooth® accessory is connected

The **KB**SOUND® **Bluetooth**® wireless accessory allows you to listen to the music stored in any device that has the ability to transmit via Bluetooth through the **KB**SOUND® iSelect 2.5", **KB**SOUND® iSelect 5" or **KB**SOUND® SPACE kits. (**KB**SOUND® Bluetooth option).

IMPORTANT: before you begin make sure that the Bluetooth device from which you want to stream the music has the A2DP and AVRCP profiles.

6.1.- Assign a numeric address to your KBSOUND®Bluetooth®option

IMPORTANT: Before linking the **KB**SOUND® Bluetooth option a numeric address must be assigned to each **KB**SOUND® kit installed (See Chapter 6.2).

Several kits in the same house can be distinguished by assigning them a different identification number such as KBsound 00 or 01, 02 etc.

KBsound00   KBsound01   KBsound02

KBsound03   KBsound04   KBsound05
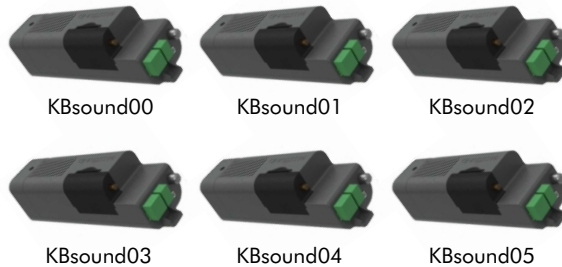
Key sequence	Display
Select Bluetooth key.	*BT*
Dial the two digits that identify the KBsound kit such as "05" on the Remote Control.	*05*
Then press the 2 key for aproximately 5 seconds.	*KB-05*✓
A confirmation beep will be heard through the speaker to indicate that the identifier has	♪**beep**

From this moment the identifier of that kit becomes KBsound 05.

Repeat this procedure for all kits you have installed in your home, taking care of choosing different numbers for each one.

6.2.- Pairing (linking) a new Bluetooth device

Before being able to stream music from a Bluetooth device to our **KB**SOUND® kits it is necessary to link the **Bluetooth**® accessory. This operation must be carried out only once with each device.

Make sure that during the entire operation there is only one Bluetooth device within the range of coverage of the **KB**SOUND® **Bluetooth**® option.

The Remote Control must be pointing directly at the IR receiver of the **KB**SOUND® **Bluetooth**® option.

Select the Bluetooth key option.

Press the 5 key on the Remote Control for aproximately 10 seconds. "Link" will appear in the display.

The IR led will flash in blue, and will remain in this state until the linking operation is completed, or a maximum of 3 minutes.

Key Sequence	Display
	BT ⏻
6" 5	LINK ⏻
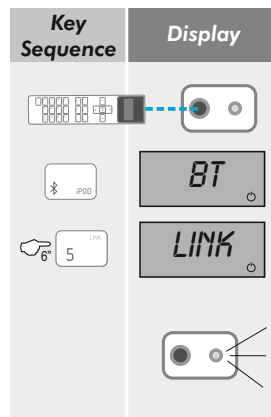
Access the Bluetooth menu of your device

In the device select the KBsoundXX (00,01,02...) option.

Check that the code indicated on the device matches the code displayed on the Remote Control.

Note: To get this code the Remote Control must be pointing directly at the IR receiver.

The linking process will be carried out successfully when the IR blue led stops flashing and "connected" appears in the display of the Bluetooth device.

Some Bluetooth devices may optionally request a password to confirm the link.
In such cases, dial 0000.

048233
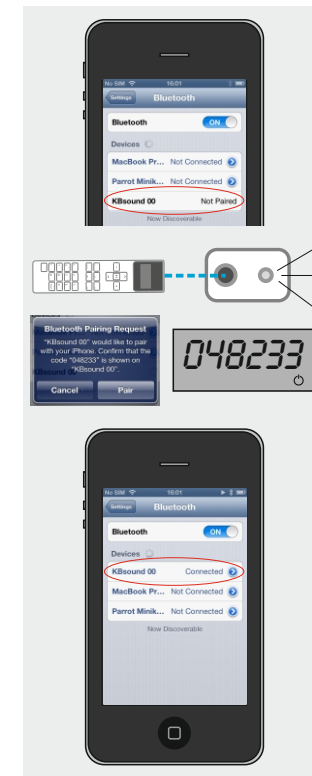
6.3.- Transmit audio to a **KB**SOUND®**Bluetooth**® option from multiple Bluetooth devices

Several Bluetooth devices can share the same **KB**SOUND® **Bluetooth**® option, although only one can transmit audio at any time.

To make this possible, it is necessary to have made the link of all Bluetooth devices with the **KB**SOUND®**Bluetooth**® option (see chapter 6.2)

Make sure that during the entire operation the Remote Control is pointing directly at the IR receiver of the **KB**SOUND® **Bluetooth**® and the Bluetooth device is within the range of coverage.

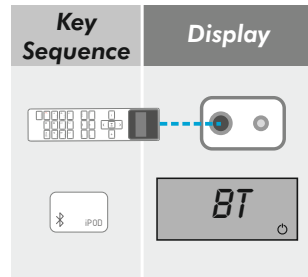Select the Bluetooth key on the Remote Control.

Key Sequence	Display
	BT

The kit searches for the last Bluetooth device with which it was paired and, if found within its range of coverage, it will continue to be paired automatically.

If you want to transmit audio from a different Bluetooth device, press the 5 key on the Remote Control for 6 seconds, after which the **KB**SOUND®**Bluetooth**® option will be freed from any previous pairing.

Activate the Bluetooth of the new device you wish to connect with and then select the **KB**SOUND®**Bluetooth**® option with which you wish to link (e.g. KBsound 01).

The pairing will have been carried out successfully when the IR blue led stops flashing.

Key Sequence	Display
5	

From the Remote Control you can select the options PLAY /PAUSE by pressing the button

Go forward and backward through the music list pressing the keys

6.4.- Transmit audio from one device to several **KB**SOUND®**Bluetooth**®options

If there are several **KB**SOUND®**Bluetooth**® options in your installation, you will be able to transmit your music to any of them interchangeably from the same Bluetooth mobile device. Please note that only one **KB**SOUND®**Bluetooth**® option can receive the audio signal at any time.

To make this possible, it is necessary to have made the numeric identification of each **KB**SOUND®**Bluetooth**® option. (see chapter 6.1).

It is also necessary that the Bluetooth mobile device has been linked with each of the **KB**SOUND®**Bluetooth**® options in the installation
 (see chapter 6.2).

Select the Bluetooth option with the Remote Control of the
KBSOUND®**Bluetooth**® option that you wish to use at that moment.

Key Sequences	Display
⚹ iPOD	BT ⏻

KBsound00   KBsound01   KBsound02
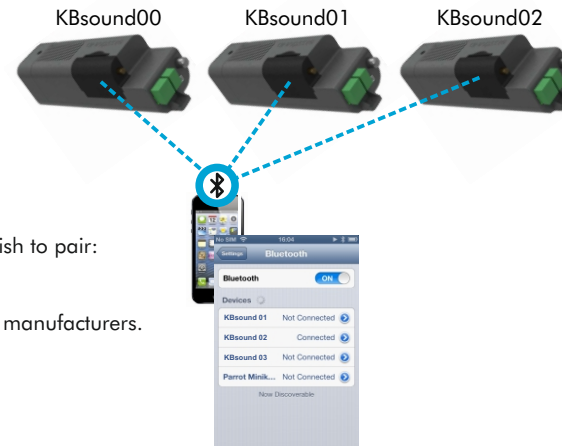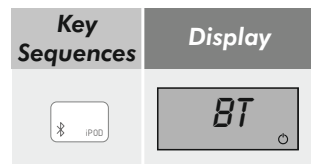
Select in the Bluetooth device the **KB**SOUND®**Bluetooth**® option you wish to pair:
KBsound00, KBsound01, KBsound02, etc.

NOTE: Be careful, the menus on your Bluetooth device can vary between manufacturers.
As a result, strictly follow their instructions.
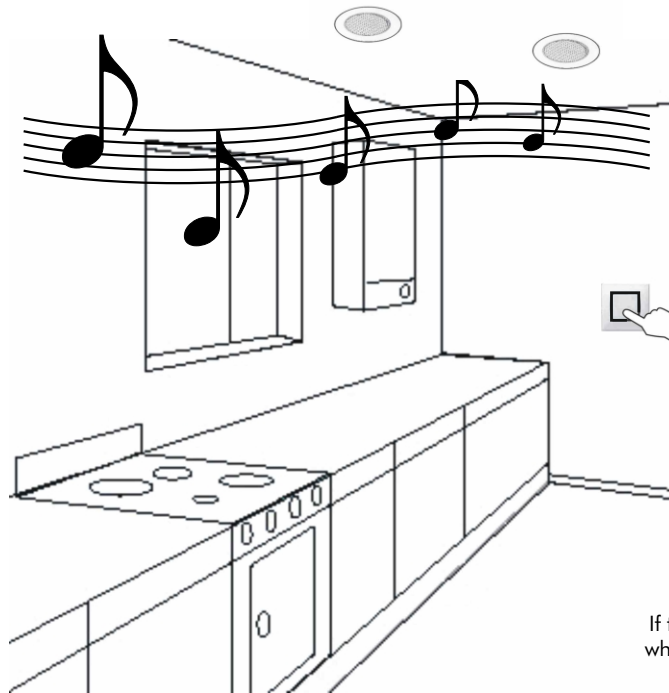
This function is designed for use in the event that the **KB**SOUND® iSelect or SPACE power supply is fed by a specifically designated switch. In this case, the automatic activation mode must be programmed in order to automatically turn on **KB**SOUND® iSelect or SPACE unit when the switch is activated. These steps must be followed:

1. Supply power to the **KB**SOUND® iSelect or SPACE unit by turning on the switch. The **KB**SOUND® iSelect or SPACE unit will flicker a couple of times and turn off.
2. Turn on the **KB**SOUND® iSelect or SPACE unit using the remote control (ON/OFF key).
3. With the **KB**SOUND® iSelect or SPACE unit turned on, keep the ON/OFF key pressed down for 2 seconds.

Key Sequence	Display
If the Turn-On mode is set to "on" in this state, when power is fed to the unit, it will turn on in "ideal" mode (see Chapter 3).	☞2" [PRS ON/OFF ⏻]	AUTO ✓
If the Turn-On mode is set to "off", when power is fed to the unit, it will turn on in "off" mode.	☞2" [PRS ON/OFF ⏻]	AUTO X

52391/92 , 52398/93	MIN	NORMAL	MAX		COMMENTS
Measurements		200x53x56		mm	
Voltage	185	230	265	Vac	50Hz, terminal F,N (ref.52391,52398)
	90	120	140	Vac	50/60Hz, terminal F,N (ref.52392,52393)
Consumption demand			10	W	terminals F,N
Output signal (16 ohms)			1,5	W	terminals L,R
Passband	45		20.000	Hz	
Aux.amplifier switch on signal		12	14	Vdc	terminals 62, 4 (ref.52398/93)
Distortion		0,1		%	
Left/right channel separation		58		dB	
FM Frequency range	87,5		108	MHz	
FM antenna impedance		75		ohms	RF connector
FM antenna sensitivity		1,7	3,5	uV	
FM tuner distortion		0,1	0,5	%	
Number of FM station pre-sets			30		

525x1 , 52592	MIN	NORMAL	MAX		NOTAS
Measurements		110x27,75x110		mm	ref.525x1 (width x height x depth)
		54,8x37x20		mm	ref.52592 (width x height x depth)
Voltage		5		Vdc	ref.525x1
Consumption demand			10	W	ref.525x1
		0,1		W	ref.52592
Input signal		350		mVrms	jack 3,5mm
Input impedance		50		Kohms	jack 3,5mm
Wireless transceiver RF		2,4		GHz	
Power RF			10	mWeirp	
Antenna RF		integral			ref. 525x1
	2,5			dB	ref.52592 (SMA connector)
Range		5		m	

52593	MIN	NORMAL	MAX		NOTES
Measurements		54,8x37x20		mm	width x height x depth
Alimentación		3,3V		Vdc	internal connector
Consumo		0,1		W	
Bluetooth spec.		Class2 BT2.1 + EDR			
		A2DP 1.2			
		AVRCP 1.4			
Wireless transceiver RF		2,4		GHz	
Power RF			10	mWeirp	
Antenna RF	2,5			dB	SMA connector
Range		5		m	

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