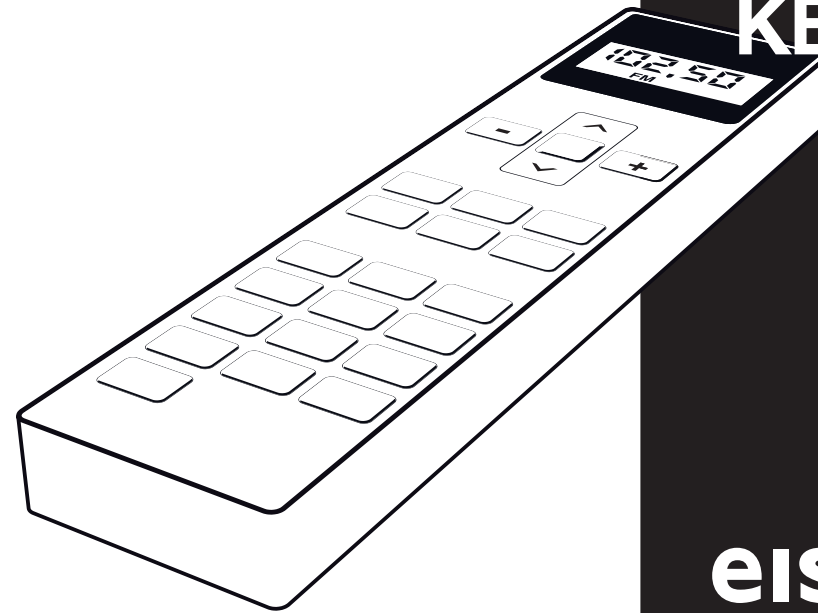USER'S MANUAL

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.
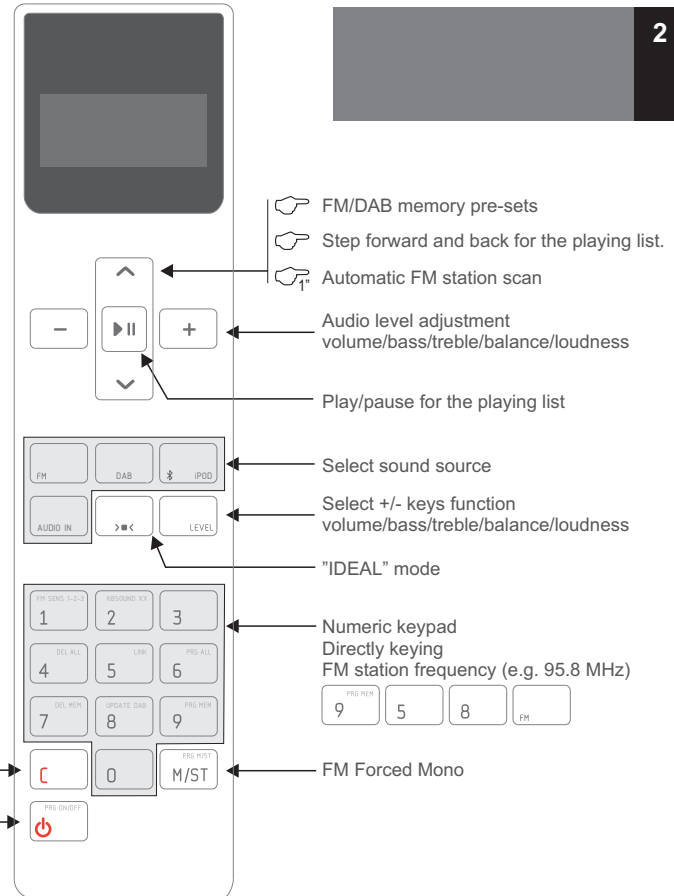Use batteries type AA 1,5V. Do not discard used batteries with household waste.

Table of Contents

Quick Reference Guide

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 ⏻

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 🅵 symbol.

FM/DAB memory pre-sets

Step forward and back for the playing list.

1" Automatic FM station scan

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

Play/pause for the 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
C 0   PRG M/ST M/ST
PRG ON/OFF ⏻

CC-1194ENG-01

1. Introduction

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. Now enjoy the world of music.

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

- Electronic module with built-in FM tuner, power supply and a Bluetooth® Accessory.

- Two 2 1/2" or two 5" loudspeakers.

- Remote control with the following functions:

  ‣ Choose the audio source, FM or Bluetooth®
  ‣ 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® **Bluetooth**® Accessory (included in this kit), it 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. It is our new custom made audio solution. It´s open ended allowing you to choose your loudspeakers and amplifiers to fulfill the specific design requirements of your dream project with superb sound.

The **KB**SOUND®SPACE Kit comprises:

- An Electronic module with built-in FM tuner, improved wiring design and connecting terminals to facilitate connecting an external amplifier and a Bluetooth® Accessory.

- Infrared receiver / transmiter

- Remote control with the following functions:

    ‣ Choose the audio source, FM or Bluetooth®
    ‣ 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®**Bluetooth**® Accessory (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.

2. General Operating Notes

1.- All of the functions only work (except ON/OFF) when the Remote Control is in "on" mode.

2.- Once the **KB**SOUND®iSelect / Space is connected to the mains, it will remain powered even it is in OFF state. The OFF 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 IR capsule in the loudspeaker grille. 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 IR 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
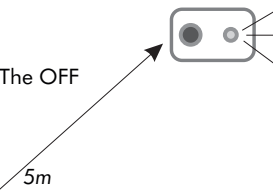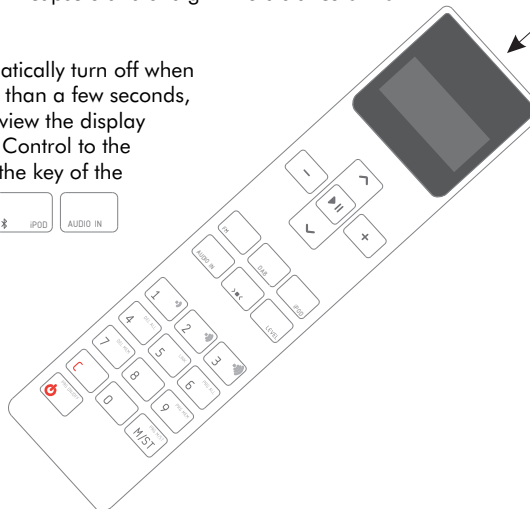
The KBSOUND®iSelect / Space **will turn on with the audio and station frequency settings saved as the "ideal" mode settings (see chapters 3 and 6) when the unit is connected to a power supply.**

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

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3. Operating Audio Functions

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"

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 or BT) 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✓** ⟳

This "IDEAL" mode can be instantly accessed by simply pressing the IDEAL key on the Remote Control.

›■‹ | **IDEAL** ⟳

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4. Operating the FM Tuner

Key Sequence	Display

4.1 Station Scan

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

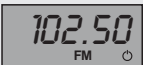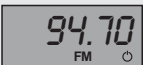The screen will duly display the station frequency of the next station found.

SCAN

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.

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

and then begin keying-in of the desired frequency

94.70 FM

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 Chapter 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.

Display: MEM 19

Display: 102.50 FM

4.4 Storing and Clearing Station Frequencies Manually

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

Keys: 9, 4, 7, FM

Display: 94.70 FM

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

Key: 2" PRG MEM 9

Display: MEM 07

Display: 94.70 FM

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.

Key: 2" DEL MEM 7

Display: DEL MEM

4.5 Storing and Clearing Station Frequencies Automatically

Key Sequence	Display

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 fully 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 Scan Sensitivity

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

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 1/2",**KB**SOUND® iSelect 5" or **KB**SOUND® SPACE kts.

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

5.1.- Assign a numeric address to your KBSOUND®Bluetooth®

IMPORTANT: Before pairing the **KB**SOUND® Bluetooth a numeric address must be assigned to each **KB**SOUND® kit installed (See Chapter 5.2).

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.	8T
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 been stored.	♪beep

From this moment the identification code 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.

5.2.- Pairing a new Bluetooth device

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

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

Select the Bluetooth key option.

Press the 5 key on the Remote Control for aproximately 6 seconds. "Link" will appear in the display.

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

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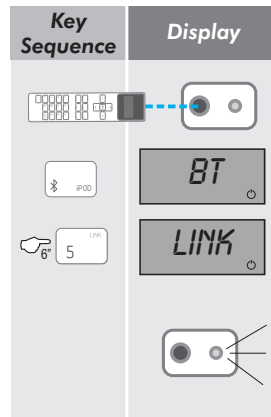
Access the Bluetooth menu of your device

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 pairing 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.

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5.3.- Transmit audio to a **KB**SOUND® **Bluetooth®** from multiple Bluetooth devices

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

To make this possible, it is necessary to have paired all Bluetooth devices with the **KB**SOUND® **Bluetooth®** . (see chapter 5.2)

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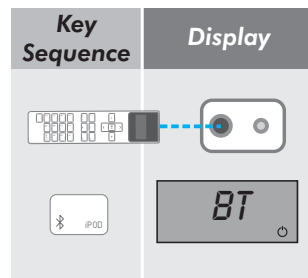
The kit searches for the last Bluetooth device with which it was paired and, if found within its range of coverage, it will continue to be paired automatically.

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®** 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®** with which you wish to pair (e.g. KBsound 01).

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

Key Sequence	Display

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

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

If there are several **KB**SOUND®**Bluetooth**® 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**® 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**®. (see Chapter 5.1).

It is also necessary that the Bluetooth mobile device has been paired with each of the **KB**SOUND®**Bluetooth**® in the installation
 (see chapter 5.2).

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

Key Sequences	Display
🔵 iPOD	BT

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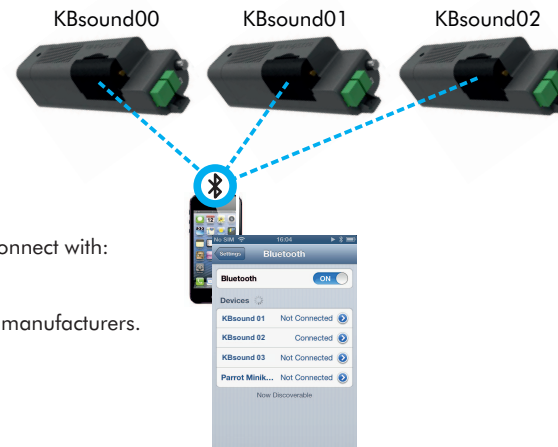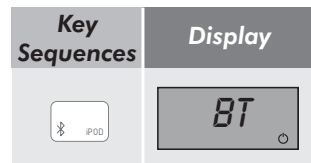
Select in the Bluetooth device the **KB**SOUND®**Bluetooth**® you wish to connect with:
KBsound00, KBsound01, KBsound02, etc.

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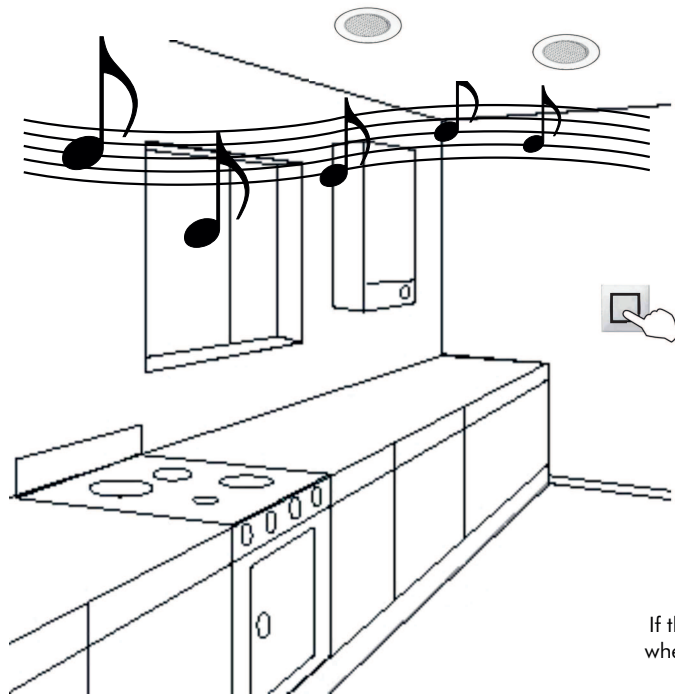
This function is designed for use in the event that the **KB**SOUND® iSelect or SPACE power supply is fed by a specifically designated switch. In this case, the automatic activation mode must be programmed in order to automatically turn on **KB**SOUND®iSelect unit when the switch is activated. These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

1. Supply power to the **KB**SOUND®iSelect / Space unit by turning on the switch. The **KB**SOUND®iSelect / Space unit will flicker a couple of times and turn off.
2. Turn on the **KB**SOUND®iSelect / Space unit using the remote control (ON/OFF key).
3. With the **KB**SOUND®iSelect / 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 ⏻

7. Technical specifications

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	3,3		10	W	terminals F,N (ref.52391/92)
	4,8		10	W	terminals F,N (ref.52398/93)
Output signal			1,5	W	regletas L,R (ref.52391/92) over 16ohm
			1,7	W	regletas L,R (ref.52391/92) over 8ohm
			2,5	W	regletas L,R (ref.52391/92) over 4ohm
Passband	45		20.000	Hz	
Aux.amplifier switch on signal		12	14	Vdc	terminals 62, 4 (ref.52398/93)
			220	mA	
Distortion		0,1		%	
Left/right channel separation		58		dB	
FM Frequency range	87,6		108.0	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		

52593	MIN	NORMAL	MAX		NOTES
Measurements		54,8x37x20		mm	width x height x depth
Voltage		3,3V		Vdc	internal connector
Consumption		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	

1. Weak FM signal or none at all
 If you are in an area where there is a weak FM signal or none at all, we recommend that you connect an external FM antenna to our KBSOUND kit.

2. Can down lights or strong direct sunlight interfere with the correct functioning of the Remote Control?
This problem exists for ALL manufacturers of Audio/Video/TV equipment using IR Remote Controls. As a result, try to avoid direct sunlight and, if possible, distance the KBSOUND kits from fluorescent lighting.

3. Are the speakers and Remote Control Waterproof?
The speakers and Remote Control are not waterproof but they have been designed to operate in a bathroom environment. We recommend that you do not install the speakers directly above the shower when they would be in constant contact with steam.

4. Can I add more or larger speakers?
In theory it is possible to add more or larger speakers. However you should consider that the product is designed to perform with just two speakers and the output is designed accordingly. Larger speakers may not receive enough power to do them justice and more speakers may drain the power designed to run the two speakers it comes with.

5. Can I use multiple sets throughout the installation?
The KBSOUND can be used in multiple rooms, they work independently.

6. Do you have color options for the Speakers?
Yes KBSOUND iSelect 2 ½ " Bluetooth® is available in white and matt chrome. The iSelect 5" Bluetooth® comes in white only.

7. Can I upgrade the Select kit to a iSelect 2 ½" Bluetooth®?
No, unfortunately you cannot. You will need to buy the iSelect Bluetooth® model.

8. How do I link with BT device?
Press the BT key ⌗ and BT will appear in the screen of the Remote Control. Then press the 5 key for 6" until linking commences. (See User manual page 11 Section 5.2).

9. Can I connect my Bluetooth device to several iSelect kits at the same time?
No, you can only connect with one kit any one point in time.

10. Can I assign an address to each kit to identify them with the different zones in my installation?
Yes, you can. Before linking the KBSOUND iSelect Bluetooth® kit to your Bluetooth device a numeric address such as KBSound 01, KBSound 02, etc. can be assigned to each KBSOUND kit installed (See User manual page 10 Section 5.1).

11. What does the ⊮▭ symbol mean?
The Remote Control unit exchanges information (transmits and receives data) by means of the IR receiver capsule in the loudspeaker grille. 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 at the IR receiver capsule at a distance of no greater than 5 meter and reconnect.

12. Why does my iSelect Bluetooth® automatically switch on at random?
Sometimes this can occur if you inadvertently press the ⏻ on /off key for more than 2" and thereby activate the Turn-on mode (Auto √). To turn off press the on/off key for 2"and check that "Auto X" appears on the screen of the Remote Control (See User manual page 14).

13. How do I store the radio stations in the memory?
Press the 6 key for 6". When the automatic storing begins the screen in the Remote Control will display "Auto". The kit is programed to memorize 30 presets.

US OFFICE
KBSOUND Inc.
245 Riverside Avenue, Suite 150
Jacksonville, Florida 32202
Tel.: 1 310 9261909
info@kbsound.com

www.kbsound.com

CENTRAL
Polígono Malpica Calle F Oeste
Grupo Gregorio Quejido, 87-88
50016 Zaragoza (SPAIN)
Tel: 34 976 465 550
Fax: 34 976 465 559
marketing@eissound.com

www.eissound.com

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Empresa
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IQNet
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FCC ID:
2AB6X52593

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It's Soundlife!