KPBT User Manual
Rev. 1.1 de 15/10/2014

Fig 1.0 - KPBT

Product Description:

KPBT is a wall mounting amplifier with FM, Pendrive, SD card, Bluetooth and a line in, for use in residences, stores or any place you want ambient music. It have 50W total output power.

Characteristics:

- Amplified Keypad.
- Digital amplifier with 50W RMS (25+25W).
- Bluetooth input.
- Pen Drive and SD card interface.
- Line IN.
- FM radio.
- FAT16 e FAT32 support.
- MP3, MP2, MP1 support from 30 to 320kbps.
- Integrated IR emitter for easy automation system interface.
- Easy to install.
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Technical Specification:

- Output Power: 25W + 25W (4/8 Ohms).
- Line IN: 47KOhm impedance.
- Band pass: 10Hz a 20KHz – 3db.
- AC range: 95 a 265 Vac
- Operating temperature: 0º a 50ºC.
- Weight: 135g.
- Power supply weight: 115g.
- Power Supply Dimensions: 37 x 87 x 91mm (A x L x P).
- Keypad Dimension: 121 x 121 x 54mm (A x L x P).
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Installation:

You can easy install in a 4x4 wall mounting with power supply on celling or you can use a double prof 4x4 and assembly power supply and keypad altogether.

See in the picture bellow how to wire the keypad and power supply.
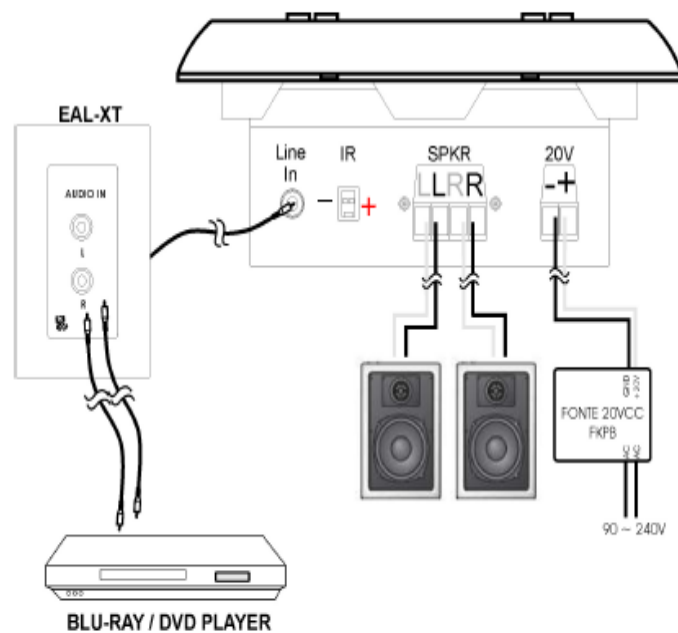

Fig 1.00 – KPBT wiring diagram

The line input can be used for any kind of equipment such as cable receiver, dvd, receivers etc.

You can easily integrate KPBT with IR automation systems, to do that you have to connect IR signal to provided KK connector on the back of the unit showed in fig 1.00.

Operation:

At power on, KPBT search for signal input (Pendrive or SD card), if there are no sources, it will start at Line In selected.

Figura 1.01 – Entrada LINE-IN

Press Menu key to select signal source you want.

- **Line In:**

This input is on back of unit and can be used for cable receiver, DVD, etc.

- **FM radio:**

Select FM with Menu key.

Press Play/Pause key to star automatic station search. All strong stations will be automatically stored.

After that, you can select stations by pressing |<< and >>| keys. At bellow picture you can see FM 100.5 stored in channel 04.

Fig 1.02 – FM 100,5 tuned.

- *Bluetooth:*

When Bluetooth is selected, KPBT waits for connection, and after that, a Connected screen will be showed as seeing in bellow picture.

Fig 1.03 – Bluetooth: waiting for connection and connected.

After connected, you can play, pause, change music, increase/ decrease volume in you mobile device (cel phone, tablet, etc.). You also can make this commands in KPBT.

- *Pendrive and SD card:*

When you insert a Pendrive or SD card, KPBT will automatically search for music files and play immediately

You can choose EQ mode as desired, the actual equalization is showed in the in the upper center of display.

Fig 1.04 – Equalization Normal e Rock.

Track time   Track number

Total track time   Total number of tracks

Fig 1.05 – Additional Display Information

How to Configure KPBT:

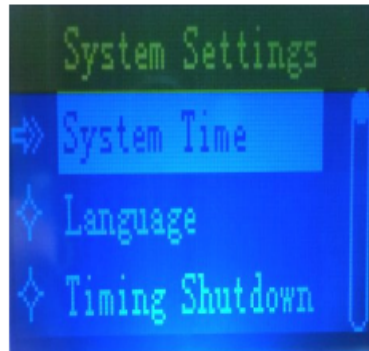Press and hold Menu key until display turns to System Settings as bellow:

Fig 1.06 – System Settings

At System Settings you will be able to set Time, Language, Shutdown Timer, Contrast, Alarms a Volume. With |<< and >>| keys you can navigate thru the menus and with Menu key you can select desired function. Use EQ key to come back.

System Time:

Use System Time to adjust desired time of KPBT clock. Use |<< and >>| key to increase/decrease selected value. Use Menu key to skip to the next value. Finish clock setting with EQ key.

Fig 1.07 – Clock – Years   Fig 1.08 – Clock - Minute

Language Setting:

Select Language in the menu to set the desired language. Navigate with |<< and >>| Keys. Confirm with Menu key.
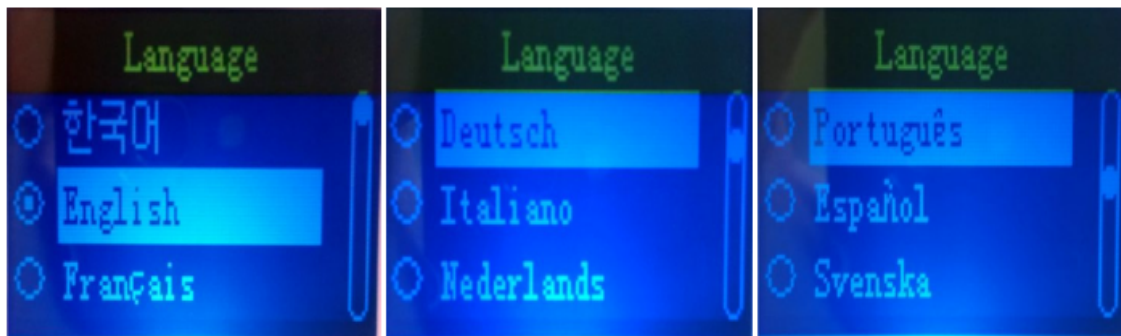

Fig 1.09 – Language Options of KPBT-XT
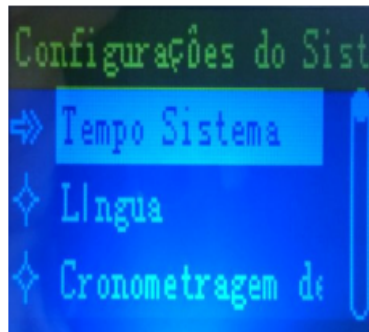
When you choose Portuguese, display will show:

Fig 1.10 – System Settings Menu

Shutdown Timer Configuration:

Select Shutdown Timer to enable programed shutdown time of KPBT.

Fig 1.11 – Timer Function disabled

Press Menu key to enable shutting down timer and select desired time to auto turn off. The bellow picture show 1 hour interval selected. You can choose 30m, 1,2,4,6 and 8 hours.
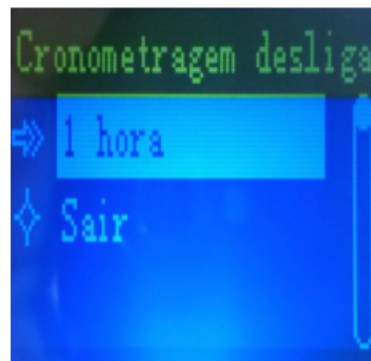

Fig 1.12 – Shutting down programed to 1 hour

Alarm Setting:

Select this function to enable Alarme and program time and frequency of alarm.
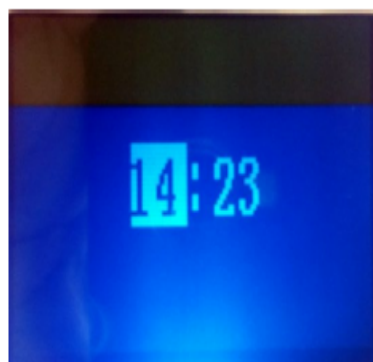

Fig 1.13 – Alarm Menu

Fig 1.14 – Time Setting

Alarm Frequency: You can choose once, daily, or weekely (Monday to sunady) as showed below:

Fig 1.15 – Sequency to enable Alrm only Mondays and Wednesdays.

Display Contrast Adjust:

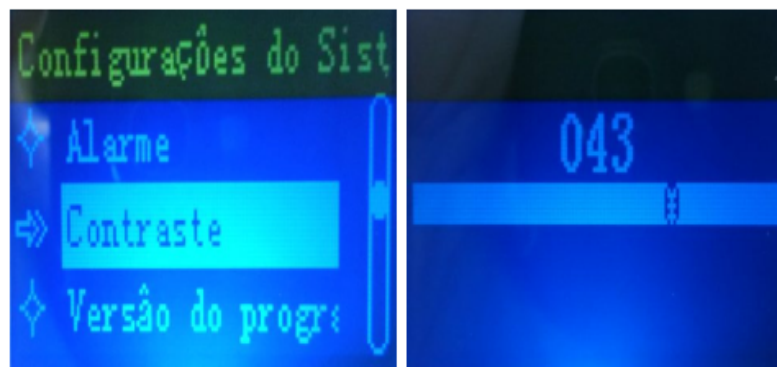Select Contras at Menu. Use |<< and >>| Keys to increase/decrease contrast.

Fig 1.16 – LCD Contras Adjust.

FCC Caution: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.
This device complies with Part 15 of the FCC Rules. Operation
is subject to the following two conditions:
(1)This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

This equipment should be installed and operated with minimum distance 20cm
between the radiator and your body.

NOTE: This equipment has been tested and found to comply with the limits for a
Class B digital device, pursuant to Part 15 of the FCC Rules.
These limits are designed to provide reasonable protection against harmful interference in a
residential installation. This equipment generates, uses and can radiate radio
frequency energy and, if not installed and used in accordance with the
instructions, may cause harmful interference to radio communications.
However, there is no guarantee that interference will not occur in a particular installation.
If this equipment does cause harmful interference to radio or television reception,
which can be determined by turning the equipment off and on, the user is encouraged to
try to correct the interference by one or more of the followingmeasures:
-- Reorient or relocate the receiving antenna.
-- Increase the separation between the equipment and receiver.
-- Connect the equipment into an outlet on a circuit different from that to which the
receiver is connected.
-- Consult the dealer or an experienced radio/TV technician for help.

FCC RF Radiation Exposure Statement:
This equipment complies with FCC radiation exposure limits set forth for an uncontrolled
environment.End users must follow the specific operating instructions for satisfying RF
exposure compliance. This transmitter must not be collocated or operating in conjunction with
any other antenna or transmitter.