KPA
SERIES
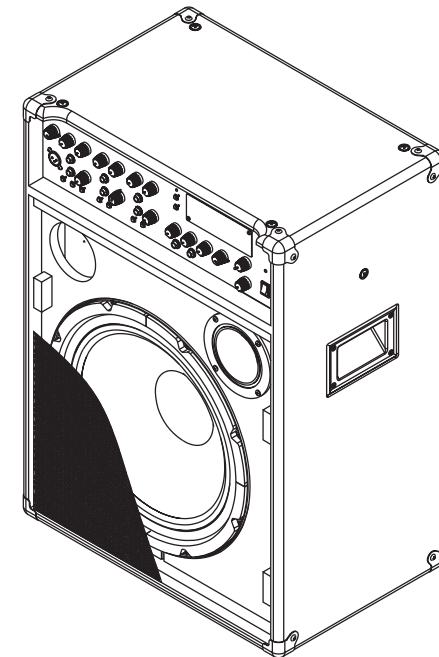
User's Manual

POWERED KEYBOARD AMPLIFIER
SPEAKER CABINET
KPA 300R

TOPP PRO MUSIC GEAR
www.topppro.com

KPA
SERIES

Safety Related Symbols

CAUTION
RISK OF ELECTRIC SHOCK
DO NOT OPEN

This symbol, wherever used, alerts you to the presence of un-insulated and dangerous voltages within the product enclosure. These are voltages that may be sufficient to constitute the risk of electric shock or death.

This symbol, wherever used, alerts you to important operating and maintenance instructions.

Please read.

Protective Ground Terminal

AC mains (Alternating Current)

AC mains (Alternating Current)

ON: Denotes the product is turned on.

OFF: Denotes the product is turned off.

WARNING
Describes precautions that should be observed to prevent the possibility of death or injury to the user.

CAUTION
Describes precautions that should be observed to prevent damage to the product.
Disposing of this product should not be placed in municipal waste but rather in a separate collection.

WARNING
Power Supply
Ensure that them a inssource voltage (AC outlet) matches the voltage rating of the product. Failure to do so could result in damage to the product and possibly the user. Unplug the product before electrical storms occur and when unused for long periods of time to reduce the risk of electric shock or fire.

External Connection
Always use proper ready-made insulated mains cabling (power cord). Failure to do so could result in shock/death or fire. If in doubt, seek advice from a registered electrician.

Do Not Remove Any Covers
Within the product are areas where high voltages may present. To reduce the risk of electric shock do not remove any covers unless the AC mains power cord is removed. Covers should be removed by qualified service personnel only.

No user serviceable parts inside.

Fuse
To prevent fire and damage to the product, use only the recommended fuse type as indicated in this manual. Do not short-circuit the fuse holder. Before replacing the fuse, make sure that the product is OFF and disconnected from the AC outlet.

Protective Ground
Before turning the unit ON, make sure that it is connected to Ground. This is to prevent the risk of electric shock.
Never cut internal or external Ground wires. Like wise, never remove Ground wiring from the Protective Ground Terminal.

Operating Conditions
Always install in accordance with the manufacturer's instructions.
To avoid the risk of electric shock and damage, do not subject this product to any liquid/rain or moisture.
Do not use this product when in close proximity to water.
Do not install this product near any direct heat source.
Do not block areas of ventilation. Failure to do so could result in fire.
Keep product away from naked flames.

IMPORTANT SAFETY INSTRUCTIONS
Read these instructions
Follow all instructions
Keep these instructions. Do not discard.
Heed all warnings.
Only use attachments / accessories specified by the manufacturer.

Power Cord and Plug
Do not tamper with the power cord or plug. These are designed for your safety.
Do not remove Ground connections!
If the plug does not fit your AC out let seek advice from a qualified electrician.
Protect the power cord and plug from any physical stress to avoid risk of electric shock.
Do not place heavy objects on the power cord. This could cause electric shock or fire.

Cleaning
When required, either blow off dust from the product or use a dry cloth.
Do not use any solvents such as Benzol or Alcohol.
For safety, keep product clean and free from dust.

Servicing
Refer all servicing to qualified service personnel only.
Do not perform any servicing other than those instructions contained within the User's Manual.

PORTABLE CART WARNING
Carts and stands - The component should be used only with a cart or stand that is recommended by the manufacturer.
A component and cart combination should be moved with care. Quick stops, excessive force, and uneven surfaces may cause the component and cart combination to overturn.

Topp Pro guarantees the normal operation of the product against any defect of manufacture and / or vice of material, by the term of (12) months, counted as of the date of purchase on the part of the user, committing itself to repair or to change, to its election, without position some, any piece or component that will fail in normal conditions of use within the mentioned period.

This guarantee is valid if the original buyer will have to present/display this certificate properly sealed and signed by the selling house, accompanied by the corresponding invoice of purchase where it consisted the model and serial number of the acquired equipment.

The guarantee does not cover:

- Damages caused by the illegal use of the product, repair and/or nonauthorized modification conducted by people by **Topp Pro**.
- Damages caused by the connection of the equipment to other equipment different from the specified ones in the manual of use, or by bad connection to these last ones.
- Damages caused by electrical storms, blows and/or incorrect transport.
- Damages caused by excesses or falls of tension in the network or by connection to networks with a tension different from the required one by the unit.
- Damages caused by the presence of sand, acid of batteries, water, or any strange element inside the equipment.
- Deteriorations produced by the course of the time, use and/or normal wear of the unit.
- Alteration or absence of the serial number of factory of the equipment.

The repairs could only be carried out the authorized technical service by **Topp Pro**, that will inform about the term and other details into the repairs to take place according to this guarantee.

Topp Pro, will repair this unit in counted a term nongreater to 30 days as of the date of entrance of the unit to the Technical Service. In those cases in that due to the particularitity of the spare part, outside necessary their import, the repair time and the viability of the same one will be subject to the effective norms for the import of parts, in which case one will inquire to the user about the term and possibility into repair.

With the object of its correct operation, and of the validity of this one guarantee, this product will have to be installed and to be used according to the instructions that are detailed in the manual associate or the package of the product.

This unit will be able to appear for its repair, next to the invoice of purchase (or any other proof where the date of purchase consists), to its authorized distributer Topp Pro or an authorized technical center on watch by **Topp Pro**.

Exclusion of damages:
THE RESPONSABILITY OF **TOPP PRO** BY ANY DEFECTIVE PRODUCT IS LIMITED THE REPAIR OR THE REPLACEMENT OF HE HIMSELF, TO TOPP OPTION PRO. IF WE CHOSE TO REPLACE THE PRODUCT, THE REPLACEMENT CAN BE A RECONDITIONATED UNIT. TOPP PRO WILL NOT BE RESPONSIBLE BY THE DAMAGES BASED ON THE LOST, INCONVENIENCE, LOSS OF USE, BENEFITS, LOST SAVINGS, BY THE DAMAGE TO OTHER EQUIPMENT OR OTHER ARTICLES IN THE USE SITE, OR BY ANY OTHER DAMAGE IF HE IS FORTUITOUS, CONSEQUENT OR OF ANOTHER TYPE, ALTHOUGH TOPP PRO HAS BEEN NOTICED OF THE POSSIBILITY OF SUCH DAMAGES.

Some states do not allow to the exclusion or the limitation to the fortuitous or consequent damages, so the aforesaid limitation can not be applied to you.
This guarantee gives specific legal rights him, you can also have other right that varies of state to state.

Model :	KPA-300R
System type:	keyboard COMBO
Speaker:	Woofer:15" 50mm V.C
	DRIVER: 1" Ferrite
Frequency response	45Hz -18KHz / -10dB
Power Handing:	300 Watts/Continuous
Power Supply:	115V/230V Power Switchable
Display LED:	Power On LED/Auto Limiter LED
Connectors:	CH1--XLR MIC / 1/4" Stereo Jack Input
	CH2--1/4" JACK SETEREO LINE Input
	CH3--1/4" SETEREO JACK LINE &USB Player To Ch3
Controls:	CH1-LEVEL/EQ(LOW & HIGH)/Master FX SEND Knob For 20dB PAD/FX Bypass/Phantom Button
	CH2-LEVEL/EQ(LOW & HIGH)/ Knob For 20dB PAD/FX Bypass Button
	CH3-LEVEL/EQ(LOW & HIGH)/ Knob For 20dB PAD/FX Bypass Button
	Master EQ-4 Band / 10dB (Include: Bass/Low MID/High MID/High)
	Main Knob
	Digital Reverb Knob
	Comp/Limiter Button
	USB PLAYER To CH3 Button
	Power Switch
USB Player:	Optional
Enclosure:	15mm MDF Board / Paint Finish / Metal Grille
Dimensions (H*W*D):	694mm (27.3")×469mm(18.5")×323mm (12.7")
Net weight lbs/kg:	56.4(lbs) /25.6kg (Approx)
Volume	7.13CFT

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Don't forget to visit our website at **www.topppro.com**
for more information about this and other Topp Pro products.

1 Introduction

Thank you for purchasing the KPA300R Professional Keyboard Amplifier Speaker Cabinet. KPA300R is a powered Keyboard Amplifier Speaker Cabinet. with 300W output, available for music fancier rehearsal and/or small performance situations, which can be operated easily.
Please read this manual carefully so you can take advantages of all features of KPA300R. Thanks again for choosing KPA300R.

2 Features

- 1 high sensitive MIC(only CH1) and LINE(CH1, CH2 & CH3) inputs
- Discrete 2-band EQ adjustment on each channel
- Discrete 4-band EQ on main channel for further decorating audio signal
- REVERB effect level for adjusting the playing status of the effect
- 12V Phantom power with switch for condenser microphone
- Mp3 player with USB port; Mp3 input signal control and selection
- Low distortion post power amplifier; controllable Limiter compression function via onboard button
- 115VAC/230VAC voltage switchable

3 Usefull Data

Please write your serial number here for future reference.
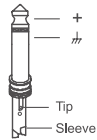
Serial Number:

Date of Purchase:
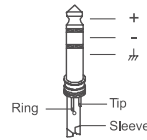
Purchased at:

Block Diagram   7

KPA 300R BLOCK DIAGRAM
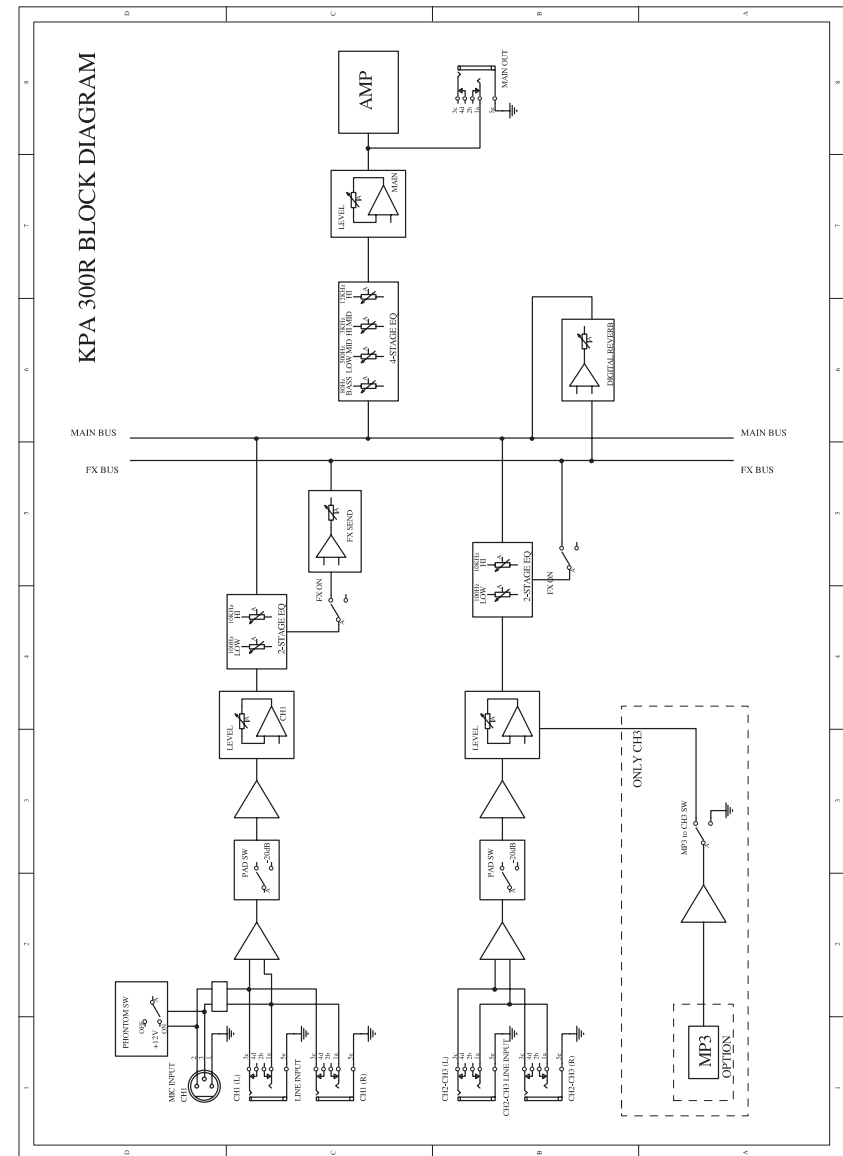
6 Wire Connections

Either the 1/4" TRS phone jack or XLR connector can be wired in balanced and unbalanced modes, which will be determined by the actual application status, please wire your system as the following wiring examples:
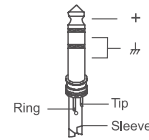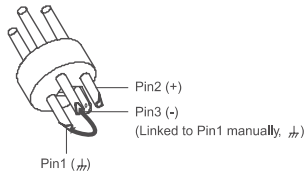
For 1/4" Phone jack
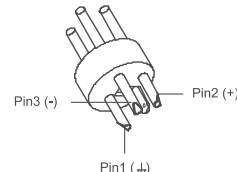

TS Type Unbalanced   TRS Type Balanced   TRS Type Unbalanced

For XLR connector

Pin2 (+)
Pin3 (-)
(Linked to Pin1 manually,)
Pin1 ( )

Pin3 (-)   Pin2 (+)
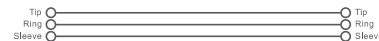Pin1 ( )
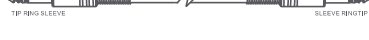
XLR Type Unbalanced   XLR Type Balanced

In-line Connection

For these applications the unit provides 1/4" TRS and XLR connectors to easily interface with most professional audio devices. Follow the configuration examples below for your particular connection.

• Balanced

• Unbalanced

---

4 Control Elements

FRONT PANEL

1- MONO INPUT CHANNEL

You can connect Ch1with balanced, low impedance microphone or a low level signal to the XLR socket. Using the 1/4" TRS (LINE IN) jack you can connect either a microphone or a line level instrument such as synthesizers, drum machines, effect processors or any other line level signal.

Note: you should never connect an unbalanced microphone to the XLR socket if you do not want to damage both the microphone and the mixer.
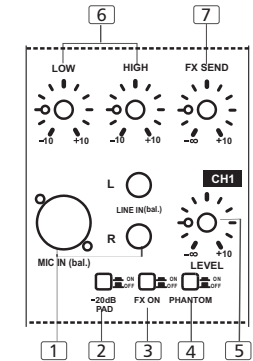
2- 20dB PAD BUTTON

This button is used to attenuate the input signal by 20dB. In this way, you can produce increased headroom and reduce the risk of distortion due to quite "hot" signals.

3- FX ON BUTTON

This button is used to activate/deactivate the effects on the related channel. Engaging this button, the effect on this channel will be turned on; disengaging this button, the effect will be turned off.
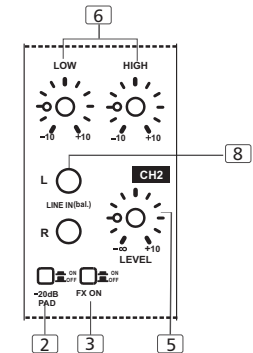
4- 12V PHANTOM POWER SWITCH

It is available only to the XLR MIC sockets. Never plug in a microphone when phantom power is already on. When the XLR socket is connected with devices that do not require phantom power, please make sure the phantom power is turned off, otherwise, this may damage the device.

5- CHANNEL LEVEL CONTROL

This control is used to adjust the overall level of the respective channel. The adjustable range goes from -∞to +10dB.

6- 2-BAND EQ(FOR INPUT CHANNELS)

A 2-band equalizer is provided for all input channels allowing a wide range of frequency adjustment.

4 Control Elements

-LOW

This is the bass control. The gain range goes from -10dB to +10dB and the center frequency is 100Hz

-HIGH

this is the treble control. The gain range goes from -10dB to +10dB with a center frequency of 10kHz.

7- FX SEND

This control is used to adjust the overall level of the channel1 signal that enter into REVERB EFFECT.

8- LINE IN(BALANCED) JACK

Using these six 1/4" TRS(LINE IN) jacks you can connect either a microphone or a line level instrument, such as synthesizers, drum machines, effect processors or any other line level signal.

9- COMP/LIMITER BUTTON & AUTO LED

When press in the COMP/LIMITER button, the AUTO LED will light up, this function will prevent your signal exceed to a level threshold that would cause distortion.

10- Mp3 TO CH3 BUTTON

When press in the **MP3 TO CH3** button, the signal of Mp3 player will be switched to Ch3.
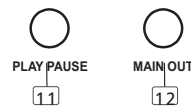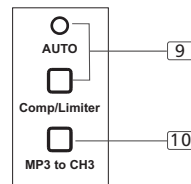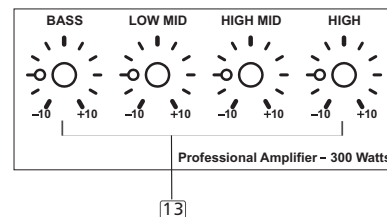
11- PLAY/PAUSE JACK

This 1/4" jack can be used to connect an external foot switch to switch between PLAY and PAUSE mode.

12- MAIN OUT JACK

This 1/4" jack can be used to output the main mix signal to an external monitor amplifier or activate monitor speaker.

13- 4-BAND EQ ON MAIN CHANNEL

There are 4-band fixed frequency EQ on main channel : HI, HI-MID, MID-LOW and LOW band. All bands provide up to 10 dB of boost or cut.

AUTO 9

Comp/Limiter

MP3 to CH3 10

PLAY PAUSE 11   MAIN OUT 12

BASS   LOW MID   HIGH MID   HIGH
-10 +10 -10 +10 -10 +10 -10 +10

Professional Amplifier – 300 Watts

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5 Connecting Diagram

Make all initial connections with all the equipment powered off, and make sure that the main volume controls are turned down completely.
1) Connect your instrument or microphone to appropriate mixer input.
2) Turn the mixer power on.
3) Slowly and carefully adjust the volume controls until reaching the desired volume.

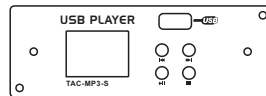Electric guitar   Stereo Keyboard

Vocal Microphone

KPA 300R

L   R

Electric guitar
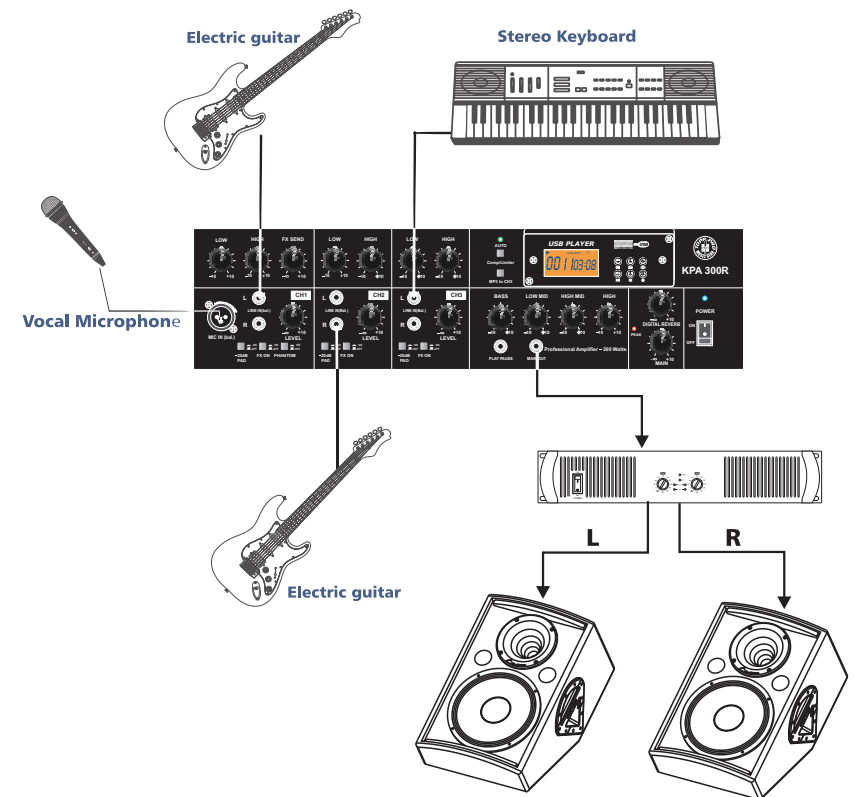
USB Module Installation
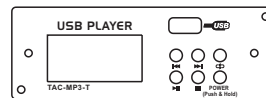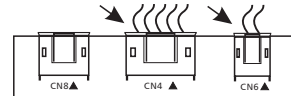
-No selective mode

At normal state, there is no selective mode on the front panel, only a piece of panel without function.

CN8▲   CN4 ▲   CN6▲
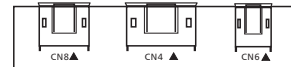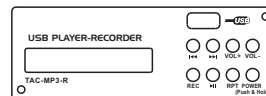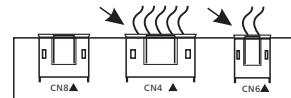
-USB PLAYER selective mode

Please connect the 5PIN row-wire on the USB module to the CN8 header and 2 PIN row-wire to CN 6header on front panel. For Recording module, you also need to connect the 3 PIN row-wire to CN 8 header to start recording function. Then fix the USB module on the front panel with two screws.
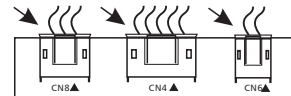
USB PLAYER
TAC-MP3-S
A)Song Module

CN8▲   CN4 ▲   CN6▲

USB PLAYER
TAC-MP3-T
POWER (Push & Hold)
B)Track Module

CN8▲   CN4 ▲   CN6▲

USB PLAYER-RECORDER
VOL+ VOL-
TAC-MP3-R
REC   RPT POWER (Push & Hold)
C)Recording Module

CN8▲   CN4 ▲   CN6▲

-HIGH
If you turn this control up, you will boost all the frequencies above 12 kHz (shelving filter). You will add transparency to vocals and guitar and also make cymbals crispier. Turn the control down to cut all frequencies above 12 kHz. In such way, you can reduce sibilances of human voice or reduce the hiss of a Tape player. The gain range goes from -10dB to +10dB.

-HIGH MID
This control gives you up to10 dB boost or cut at 3 kHz. It is useful for controlling voice. It can accurately polish your performance via adjusting this knob. The gain range goes from -10dB to +10dB.

-LOW MID
This control gives you up to 10 dB boost or cut at 500 Hz. The gain range goes from -10dB to +10dB.

-BASS
If you turn this control up, you will boost all frequencies below 80 Hz. You will give more punch to bass drum and bass guitar and make the vocalist more "macho". Turn it down, you will cut all the frequencies below 80 Hz. In this way, you can avoid low frequency vibrations and resonance, thus preserving the life of your woofers. The gain range goes from -10dB to +10dB.

14- PEAK LED

This control will illuminate red when distortion appears in output. The main output level shall turn down to avoid distortion or clipping.

15- DIGITAL REVERB CONTROL

This control is used to adjust the level of the REVERB EFFECT, ranging from-∞to +10dB . You can easily adjust the ECHO as you like.

16- MAIN LEVEL CONTROL

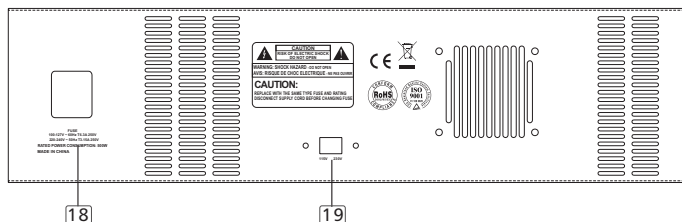This control is used to adjust the output level -∞to + 10dB.

17- POWER SWITCH & POWER LED

This switch is used to turn on/off the power of the unit. The power LED will light up when the unit is powered on.

POWER
-∞ +10
DIGITAL REVERB
PEAK
ON
OFF
-∞ +10
MAIN
14 15   16   17

REAR PANEL

18   19
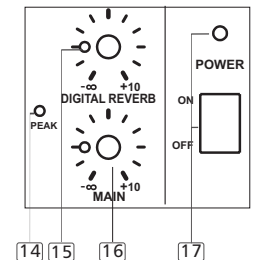
18- AC INPUT with FUSE HOLDER

Use it to connect your KPA300R to the main AC with the supplied AC cord. Please check the voltage available in your country and how the voltage for your unit is configured before attempting to connect your unit to the main AC.

19- VOLTAGE SELECTOR

There are two kinds of voltages for your operation. From this switch you can select the voltage at 115VAC or 230VAC

USB Player Section (Optional)

This section can be selected and installed according to user's requirement. Please see the installation procedure .(USB Module Installation)

Option One - Song Module

The file system of USB memory for USB players is FAT16 and FAT32, and these players can only decode MP3. It has 7 rank subordinate folders at most.

1- USB port: For connecting with USB memory equipment.

2- ◄◄ PRE: In pause state, press this key, it will go to the previous song and still keep in pause state; In play state, press this key, it will go to the previous song and start playing; Furthermore, press this key and hold for a few seconds to decrease the volume.

3- ►►| NEXT: In pause state, press this key it will go to the next song and still keep in pause state; In play state, press this key it will go to the next song and start playing; Furthermore press this key and hold for a few seconds to increase the volume.

5-REC

In power on state, press this key, it will go to the recording preparation state. Press REC again to start recording. Any other operations are not available in recording state until press POWER to stop recording; if the word Err appears during recording, press POWER to stop.

6-►||PLAY/PAUSE

In play state, press ►|| PLAY/PAUSE key to pause the player. In pause state, press ►|| PLAY/PAUSE key to start playing.

7- ⮌ RPT

Press this key, the player will change between the following four modes:
REP ALL means to repeat all tracks in the memory, mark on the screen is ⮌
REP1 means to repeat one track, the mark on the screen is ↺
Play in order means to play the tracks according to the order, the mark on the screen is blank. Random play means to play the tracks at random, the mark on the screen is A.

8-POWER(Push & Hold)

When the unit is off, press this key and hold for about 2 or 3 seconds to turn on the power supply of the player. Repeat the above operation, you can turn off the power supply of the player.

9- DISPLAY

All the USB player information are monitored via this sexy & magic display.

4 Control Elements

When the player is searching for USB tracks, the interface is as follows:

`- - - -  NORMAL`
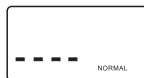
When the player is in pause state, the interface is as follows:

`MP3  USB  ERP  000 I00:00  NORMAL`

When the player is in use, the interface is as follows:

`MP3  USB  ERP  000 I00:05  NORMAL`

Option Three - Recording Module

The file system of USB memory for USB players is FAT16 and FAT32, and these players can only decode MP3. It has 7 rank subordinate folders at most.
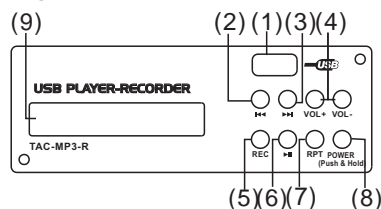
1- USB PORT
For connecting with USB memory.

2- PRE
In pause state, press this key, it will go to previous track and keep in pause state. In play state, press this key, it will go to the previous track and start playing.

3- NEXT
In pause state, press this key, it will go to next track and keep in pause state. In play state, press this key, it will go to the next track and start playing.

4- VOL-/VOL+
Press VOL-/VOL+ key to increase or decrease volume during Power on state. The default factory setting is 10.

(9) (2) (1)(3)(4)

USB PLAYER-RECORDER
TAC-MP3-R
REC RPT POWER (Push & Hold)

(5)(6)(7) (8)

4 Control Elements

4- PLAY/PAUSE:In play state, press this key to pause the player; In pause state press it to start playing.

5- STOP: In play state, press this key to stop playing and all the songs in USB memory will appear on the display ; In stop state, press STOP/ PRE/ NEXT keys again to go to first song and the player will keep in pause state, then press PLAY/PAUSE key to play the song.

6- DISPLAY: All USB player information are monitored via sexy and magic display.

(6) (4)(2)(1) (3)(5)
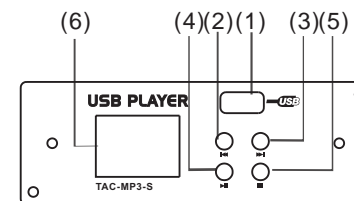
USB PLAYER
TAC-MP3-S

Operation Instruction for Song Module

1- When no USB key inserted, the display will show as Fig. 1.

2- Inserted the USB key, the USB player starts to search the songs in USB key, and the display shows "Searching". At the end of the search, the display will show as Fig. 2.Using PRE/NEXT keys, you can select one of the following three menu options ("Playing", "Program" and "Folder List"). Press Playing, the unit will enter into the corresponding operation mode.

3- "Playing" mode - single song play
 a). In Fig 2, selecting the Playing mode to recall following interface. This display shows the name of all the folders containing MP 3 files. Using the PRE/ NEXT keys, you can scan the folders, then press   PLAY/PAUSE key, you will open corresponding folders. Press STOP to return to Fig 2 interface.
b). After opening the folder, the display will show as Fig3. This display shows MP 3 file list, and scrolling list using PRE/ NEXT keys you can choose the desired song. Press the PLAY/PAUSE key, the selected song playback will start. In order to stop playback, you just need to press the **stop key.** Then, if you press the PLAY/PAUSE key, the song playback will start from the pause point, if you press again the stop key, the system will return to Fig 3 interface.

INSERT USB KEY
Fig 1

MENU:
PLAYING
PROGRAM
FOLDER LIST
Fig 2

FOLDER:
classic music
jazz music
pop music
Fig 3

[002] 00 : 05
01. Plena pop 01.mp
02. Pop 02.mp3
03. Plena pop 03.mp
Fig 4

4- "Program" mode

a) In Fig 2, select "Program" to enter into the following interface: "Play list Set": Set the playing list. "Playing List": Play list. Press ◄◄ PRE /►►NEXT key to select, press ■STOP key to return the Fig 2 interface.
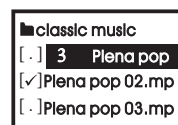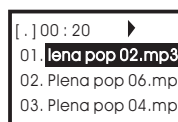
b) After entering into the "Play List Set", the display will show as Fig 3. Selecting the desired folder, the display will show the following interface. The display will show all the MP 3 files, the selected song will be inserted into the playing list and a mark will appear. Press again you're going to delete the song from the playing list, and the mark will disappear. Press the ■ STOP key, you will return to Fig 2 interface. The playing list can accept up to 20 songs, and it 'll display the list according to song insert order.

PLAYLIST SET

PLAYING LIST

Fig 5

▪classic music
[.] **3   Plena pop**
[✓]Plena pop 02.mp
[.]Plena pop 03.mp

Fig 6

[.] 00 : 20   ▶
01. lena pop 02.mp3
02. Plena pop 06.mp
03. Plena pop 04.mp

Fig 7

c) The display will show the following interface. Press the ◄◄PRE /►► NEXT key, you can select the starting song, then press the ►❚❚ PLAY/PAUSE key, the selected song playback will start. Press ►❚❚ PLAY / PAUSE key again, or press ■ STOP key, the play back will stop. Press ►❚❚ PLAY / PAUSE key again, or press ■ STOP key, the playback will start again from the same point. Twice press ■ STOP, the USB player will return to Fig 3 interface.

5-Folder List:

See the Fig 3, the display shows MP 3 files folders names. Use ◄◄ PRE /►►NEXT key to scan, press►❚❚PLAY/PAUSE key, you'll enter into corresponding folder. In order to return to Fig 5 interface, you just need to press the ■ STOP key.

Option Two - Track Module

The file system of USB memory for USB players is FAT16 and FAT32, and these players can only decode MP3. It has 7 rank subordinate folders at most.

(8)   (2)(1)(3) (4)

USB PLAYER
USB
TAC-MP3-T

(5)(6)   (7)

Control Elements
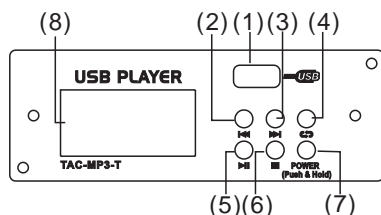
1- USB PORT

For connecting with USB memory.

2-◄◄ PRE

In pause state, press this key, it will go to previous track and keep in pause state. In play state, press this key, it will go to the previous track and start playing.

3-►►NEXT

In pause state, press this key, it will go to next track and keep in pause state. In play state, press this key, it will go to the next track and start playing.

4-↩ RPT

Press this key, the player will change between the following four modes:
REP ALL means to repeat all tracks in the memory, mark on the screen is ↺
REP1 means to repeat one track, the mark on the screen is ↩
Play in order means to play the tracks according to the order, the mark on the screen is blank.
Random play means to play the tracks at random, the mark on screen is A.

5-►❚❚ PLAY/PAUSE

In play state, press ►❚❚ PLAY /PAUSE key to pause the player. In pause state, press ►❚❚ PLAY/PAUSE key to start playing.

6- ■ STOP

In play state, press this key to stop playing and all the songs in USB memory will appear on the display ; In stop state, press■ STOP/◄◄ PRE/►► NEXT keys again to go to first song and the player will keep in pause state, then press ►❚❚ PLAY / PAUSE key to play the song.

7- POWER(Push & Hold)

When the unit is off, press this key and hold for about 2 or 3 seconds to turn on the power supply of player. Repeat the above operation, you can turn off the power supply of the player.

8- DISPLAY:

All MP3 player information are monitored via this sexy & magic display.

NOTE: basic interface instruction

When the player isn't connected to a USB memory equipment, the interface is as follows:

MP3
No Usb
NORMAL