



TAP

S E R I E S

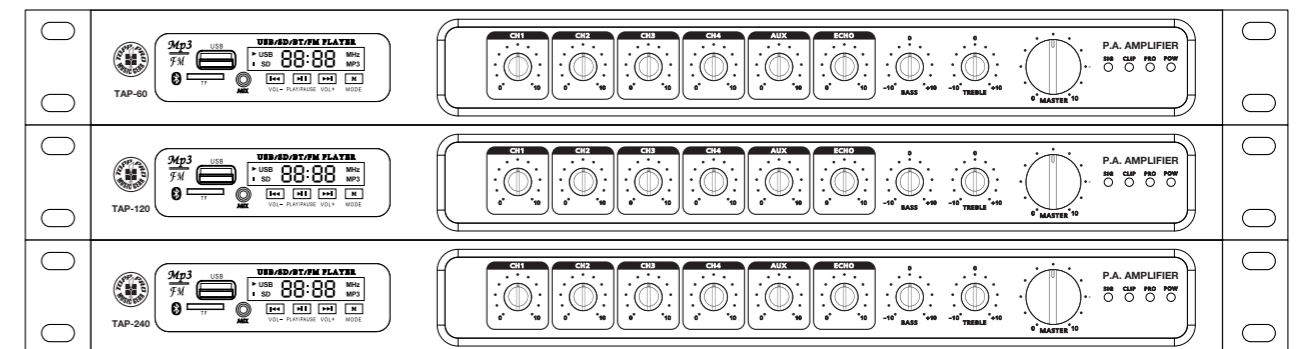
User's Manual



TOPP PRO MUSIC GEAR

www.topppro.com

PUBLIC ADDRESS AMPLIFIER
TAP-60 / TAP-120 / TAP-240



TAP

S E R I E S

Important Safety Instructions



TO REDUCE THE RISK OF ELECTRIC SHOCK PLEASE DO NOT REMOVE THE COVER OR THE BACK PANEL OF THIS EQUIPMENT. THERE ARE NO PARTS NEEDED BY USER INSIDE THE EQUIPMENT. FOR SERVICE, PLEASE CONTACT QUALIFIED SERVICE CENTERS.

This symbol, wherever used, alerts you to the presence of un-insulated and dangerous voltages in 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)

Hazardous Live Terminal

ON: Denotes the product is turned on.

OFF: Denotes the product is turned off.

CAUTION

Describes precautions that should be observed to prevent damage to the product.

1. Read this Manual carefully before operation.
2. Keep this Manual in a safe place.
3. Be aware of all warnings reported with this symbol.
4. Keep this Equipment away from water and moisture.
5. Clean it only with dry cloth. Do not use solvent or other chemicals.
6. Do not damp or cover any cooling opening. Install the equipment only in accordance with the Manufacturer's instructions.
7. Power Cords are designed for your safety. Do not remove Ground connections! If the plug does not fit your AC outlet, 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. This could cause electric shock or fire.
8. Unplug this equipment when unused for long periods of time or during a storm.
9. Refer all service to qualified service personnel only. Do not perform any servicing other than those instructions contained within the User's Manual.
10. 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.

WARNING

To reduce the risk of electric shock and fire, do not expose this equipment to moisture or rain.



Dispose of this product should not be placed in municipal waste and should be separate collection.

Before replacing the fuse, make sure that the product is OFF and disconnected from the AC outlet.

11. Move this Equipment only with a cart, stand, tripod, or bracket, specified by the manufacturer, or sold with the Equipment. When a cart is used, use caution when moving the cart/equipment combination to avoid possible injury from tip-over.



12. Permanent hearing loss may be caused by exposure to extremely high noise levels. The US. Government's Occupational Safety and Health Administration (OSHA) has specified the permissible exposure to noise level. These are shown in the following chart:

Hours x day	SPL	Example
8	90	Small gig
6	92	Train
4	95	Subway train
3	97	High level desktop monitors
2	100	Classic music concert
1.5	102	
1	105	
0.5	110	
0.25 or less	115	Rock Concert

According to OSHA, an exposure to high SPL in excess of these limits may result in the loss of heat. To avoid the potential damage of heat, it is recommended that Personnel exposed to equipment capable of generating high SPL use hearing protection while such equipment is under operation.

The apparatus shall be connected to a mains socket outlet with a protective earthing connection.

The mains plug or an appliance coupler is used as the disconnect device, the disconnect device shall remain readily operable.

Guarantee

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 particularity 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 distributor **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 you can also have other right that varies of state to state.

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Technical Specifications

MODEL	TAP-60	TAP-120	TAP-240
Power supply	AC 100-240V 50/60HZ / DC24V		
Power output (1K/70V/100V)	60W(RMS)	120W(RMS)	240W(RMS)
Frequency response	80HZ-16KHZ(±3dB)..		
T.H.D	I ≤ 1%.		
S/N Ratio	Mic: ≥65dB. Phantom: ≥65dB. line: ≥75dB. AUX: ≥75dB.		
Input/Sensitivity	Mic: -52dBV balanced. Phantom: -52dBV/18V balanced. line: -10dBV balanced. AUX: -10dBV balanced. Test/alarm: -10dBV balanced.		
Equalizer Controls	BASS: ±10dB(at 100HZ), TREBLE: ±10dB(at 10KHZ),		
Indicators	Pow: Greed led. Sig : Greed led. Pro : Red led. Clip : Red led		
Output	COM,4Ω,70V,100V		
Controls	4 input volume controls, 1 Aux volume controls. 2 Treble/Bass controls, 1 Master volume control. 4 Mic / phantom / line selector switch. 1.Mic I Priority controls. MP3 player with SD/USB interface. ECHO function.		
Dimensions(W×D×H)	483x281x44mm.		
Net weight	4.1KG	4.9KG	5.6KG

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Introduction

There are many models of amplifiers which have 60W, 120W & 240W power output. professionally designed for schools, department stores and shopping centres.

Great protection design, such as overload.....: such as overload , short-circuits of output overheat; and you can use it safely and freely. This new series has many acoustic modules, such as MP3 player BT FM, ECHO , telephone paging and monitor for option.

Each input volume can be controlled with the corresponding individual input volume control, and can be adjusted by means of a master volume and individual bass and treble tone controls. Emergency operation can be made of DC power source 24V, even when AC power fail. They have good performance and supply the excellent quality of sound . Besides , users can operate easily.

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Features

- Output : RMS 60W/120/240W.
- 2 Tones(BASS/TREBLE); 5 Input volume controls; 1 MASTER;
- MP3 player with SD/USB interface;
- Impedance output is 4Ω; constant voltage output is 70V,100V; output level display;
- 4MIC(XLR)inputs; MIC/LINE/PHANTOM exchange SW; 1 AUX(RCA)INPUT;
- ECHO Function;
- High current switching power with class-D amplifier;
- 1 HU rack 19"size.

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Useful Data

Please write your serial number here for future reference.

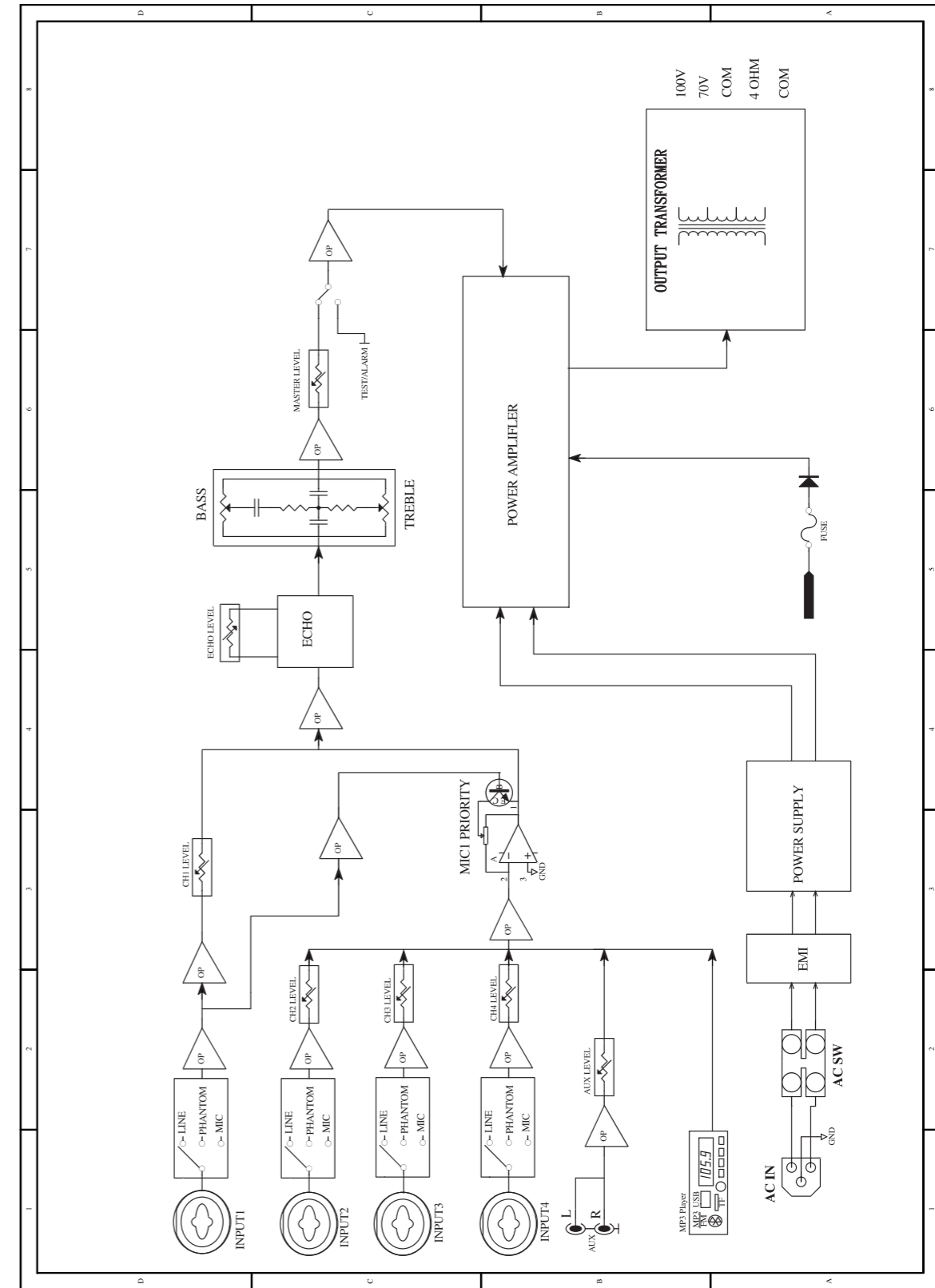
Serial Number:

Date of Purchase:

Purchased at:

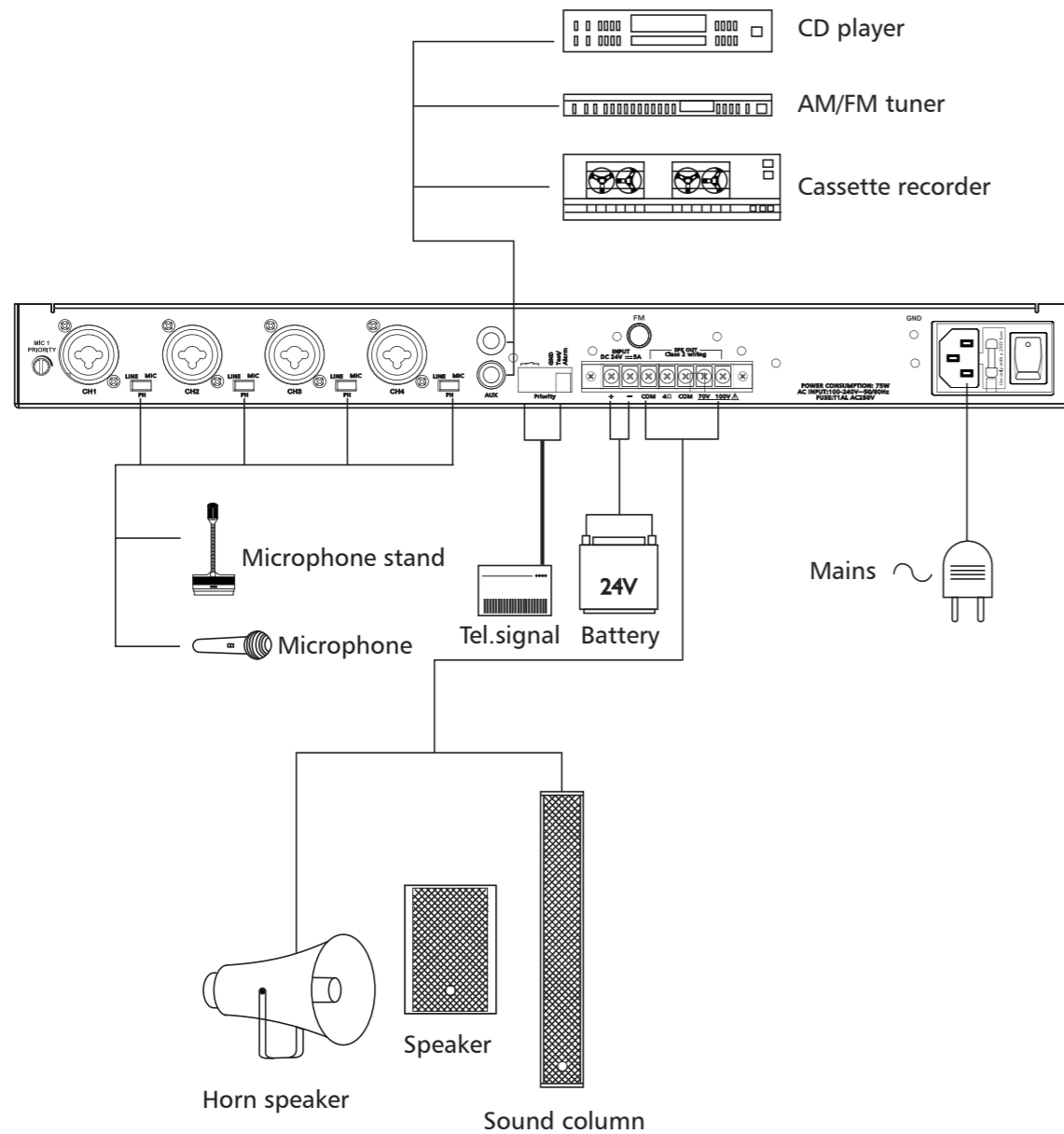
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Block Diagram



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Connection Description

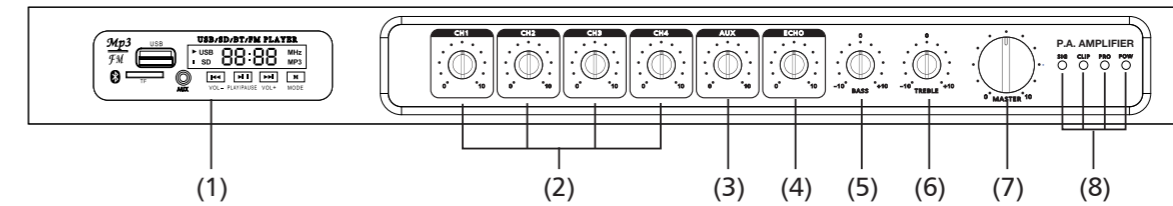


Control Element

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Take the below model with MP3 player + ECHO for example.

1. FRONT PANEL



(1) MP3 MODULE

Regarding its function and operation, please see the BGM module description in detail.

(2) INPUT 1-4 VOL Knobs

The knobs are used to adjust the gain of input1-4 respectively. Adjust clockwise to increase the volume while adjust counter-clockwise to decrease the volume.

(3) AUX VOL knob

The knobs are used to adjust the gain of AUX. Adjust clockwise to increase the volume while adjust counterclockwise to decrease the volume .

(4) ECHO FUNCTION

It is used to control ECHO, When not using the ECHO function, please turn the ECHO volume level to the minimum to avoid noise.

(5) BASS

Use the knob to control the low frequency at the range of $\pm 10\text{dB}$. Turn clockwise to boost and counterclockwise to attenuate the treble response. Tone is flat at centre.

(6) TREBLE

Use the knob to control the high frequency at the range of $\pm 10\text{dB}$. Turn clockwise to boost and counterclockwise to attenuate the treble response. Tone is flat at centre.

(7) MASTER

This knob is used to adjust the overall gain of the unit.

(8) Output level indicator and power LED.

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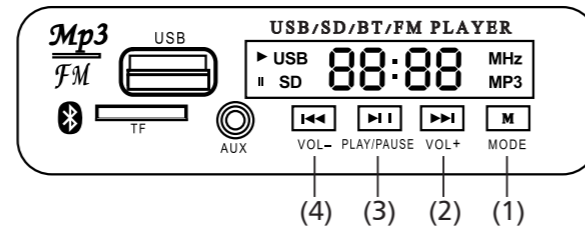
Control Element

2. MP3 Operation Instructions

Before performing the following operations, please confirm that the module is connected to the USB/TF card.

(1). MODE button

Short press mode is to convert between USB-TF card and FM-AUX-BLUETOOTH Long press as invalid button.USB, SD card and AUX input respectively correspond to port insertion, and can automatically enter the corresponding mode state, or can be manually selected.



In FM mode, you can listen to the radio by selecting the mode to the FM state, in addition, in places with low terrain, you must connect the external antenna to listen to clear FM radio.

In BT mode, use your mobile phone, computer and other devices to search for "VIRE BT" and then click on the connection, after connecting successfully, you can play music.

Note that the above modes can only use one mode alone, and it is impossible to use more than two modes at the same time.

(2). VOL+

In MP3 mode, short press to play the next song, long press to continuously increase the volume;

In AUX mode, short press as invalid button, long press to continuously increase the volume;

In BT mode, short press to play the next song of BT, long press to continuously increase the volume;

In FM mode, Short press to save the next station for playback, long press to continuously increase the volume;

(3). PLAY/PAUSE button

In MP3 mode, Short press for play and pause, long press for invalid button;

In AUX mode, Short press for mute button, long press for invalid button;

In BT mode, when playing music, short press for pause/play button, press 2 times continuously to call back (last number), long press as invalid button;

When calling, long press to reject the call, short press to hang up when talking;

In FM mode, short press for pause/play button, long press to automatically search and save the station;

such as P 01, P 02....

(4). VOL-

In MP3 mode, short press to play the previous song, long press to continuously decrease the volume;

In AUX mode, short press as invalid button, long press to continuously decrease the volume;

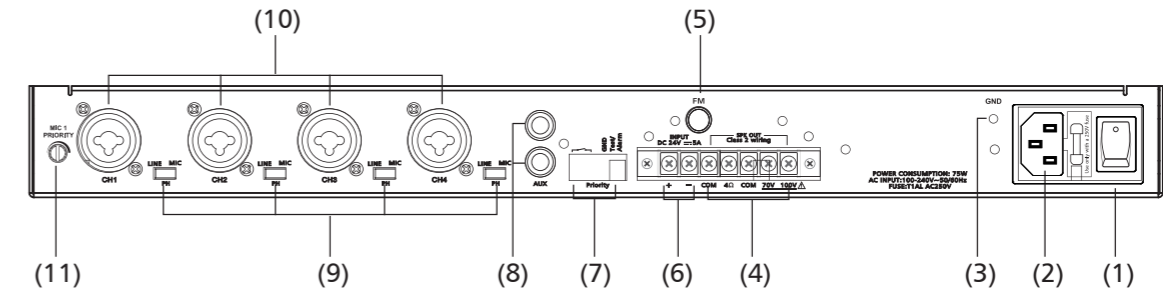
In BT mode, short press to play the previous song of BT, long press to continuously decrease the volume;

In FM mode, short press to save the previous station for playback, long press to continuously decrease the volume.

Control Element

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3. REAR PANEL



(1) POWER SWITCH

The main power can be switched on or off with it.

(2) AC JACK

This connector is meant for connection of the supplied main cord. Do not insert the power cord into this unit until voltage has been correctly set.

(3) GND

It is ground connection.

(4) OUTPUT TERMINALS

Connections for low impedance 4Ω speakers; connections for constant voltage, 70V or 100V speakers.

(5) FM ANT

(6) DC INPUT

It is used for DC power supply for 24V. You should pay attention to the polarity.

(7) MUTE/SEN

With Alarm or TEL paging working, all other input signals are muted.

(8) AUX IN

It is used for AUX input.

(9) MIC/PHANTOM/LINE SELECT SWITCH

It is turned to left for MIC, middle for PHANTOM, and right for LINE.


(10) INPUT1-4

They are used for both balanced and unbalanced inputs.

(11) MICI PRIORITY

CHI Proriey adjust ment potentiorneter.

SEIKAKU TECHNICAL GROUP LIMITED

客 戶	TOPP PRO						
料 號	NF05597						
品 名	說明書-英文						
規 格	TAP SERIES TOPP PRO_V1.1						
公司機種(客戶機種)成品料號	TAP-60/TAP-120/TAP-240						
重 量/ 基 數	0.05kg/1						
材 質	NH00231 1:2						
紙張展開性質	<input checked="" type="checkbox"/> A3	<input type="checkbox"/> A4	<input type="checkbox"/> A5	<input type="checkbox"/> 其它	紙張展開數量 3pcs		
核 准		審 核		校 稿		製 稿	
產品文件編號:							
陽片數量: 6 張							
公差: ± 2mm							
變更單號: QHFBE004-20240800002							
NO:	修改記錄	版本	更改者	日期			
1	依郵件要求變更印刷內容	1.1	鄧美燕	2024.08.05			