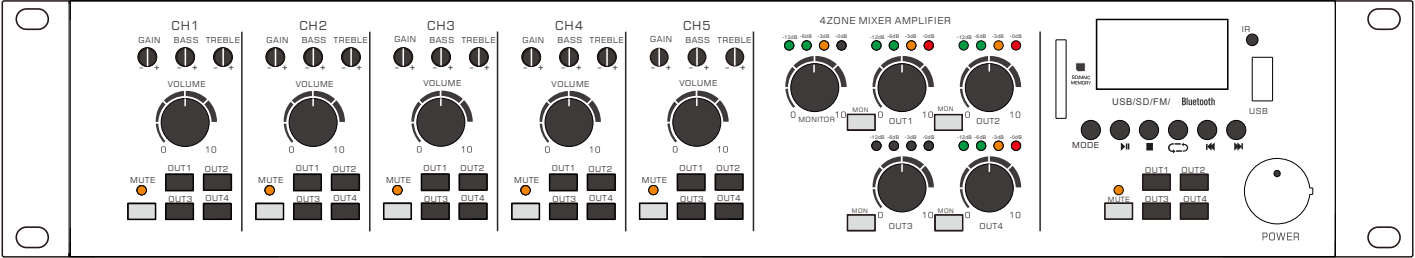


# USERS MANUAL

## MIXING AMPLIFIERS

Please read the manual carefully before using this equipment.

## 4\*5 Matrix Mixer Amplifier with USB/SD/FM/BLUETOOTH



Professional quality. Ideal for sound.


## Important Safety Instruction



The lightning sign inside the triangle warns users that there is uninsulated "dangerous voltage" in the enclosure of the product, which may cause electric shock to human.



The Exclamation point inside the triangle warns users to pay attention to the important instructions for operation and maintenance attached to the product.

- 1) Read the manual
  - 2 Keep the manual
  - 3 Pay attention to all warning.
  - 4 Follow all instruction.
  - 5 Do not use the equipment near water.
  - 6 Only clean with dry cloth.
  - 7 Do not block any ventilation hole. Install according to the manual.
  - 8) Do not install near any heating sources, such as heat sink, heater, stove, etc.
  - 9 Never compromise the safety features of power plugs with polarity or grounding. In the plug with polarity, one pin is wider than the other. In the plug with grounding, there are 2 pins and another pin for grounding. The wider grounding pin is designed for safety reason. If our plug does not fit your socket, please contact electricians to replace the socket.
  - 10 Protect the power cable from being stepped on or extruded, especially the plug, socket or cable outlet part.
  - 11 Only use the accessories provided by manufacturer.
  - 12 Only use the trolley, brackets, or table suggested or provided by the manufacturer.  
When using trolley, please move carefully to avoid falling off and hurting anyone.
- 
- 13) In the case of thunder storm or not using for a long time, please unplug the equipment.
  - 14 Please ask qualified personal for maintenance of the equipment, in the cases such as damage, leaking, other article falling inside, exposure in rain or humid air, malfunction or falling off, etc.
  - 15 To cut off the equipment from AC power, please pull off the power plug from the socket.
  - 16 The main power plug of the power supply should be ready for usage anytime.

Warning: to avoid fire or electric shock, do not place the equipment in rain or humid air.

18 Make sure no water drops inside the equipment. Do not place any water holder (eg. Vase) on the equipment.

19 Make sure of at least 6 inch (15.25cm) space above the equipment for good ventilation and cooling.

20 Attention: For amplifiers mounted in racks, all cables and materials should keep away from its sides. Before taking it out from the rack case, please cool it for 2 minutes.

21 Amplifier and speaker system, as well as earphone/headphone (if provided) can generate high sound pressure level, which may cause temporary or permanent damage to hearing. Please set the volume carefully.

22) FCC conformity declaration: this equipment conforms the class B mathematics device limit in chapter 15 of FCC. The purpose of the regulation is to provide reasonable protection against possible dangerous interference during installation in residence area. This equipment generates, uses and radiates RF energy. Not following the manual in operation and installation may have negative interference to radio communication, but we can not make sure that there is no such interference in special situation. If we confirm by turning on and off the equipment, there is indeed interference to radio communication. We suggest to eliminate it by following measures: adjust the direction or position of the receiving antenna. Increase the distance between the equipment and receiver. Connect the equipment to a different socket from the receiver. For more assistance, please contact the distributor or experienced radio technician. Remark: FMIC does not take responsibility for the product modifications which violate the FCC regulation and/or cause invalidity of the certification.

23 Warning: For safety, products with batteries inside or outside should not be exposed to high temperature, such as the sun or fire. Wrong replacement/installation of batteries has the danger of explosion. Only replace the same or similar batteries suggested by manual.

24 Attention: unplug the equipment and cool it before touching or replacing electron tube.

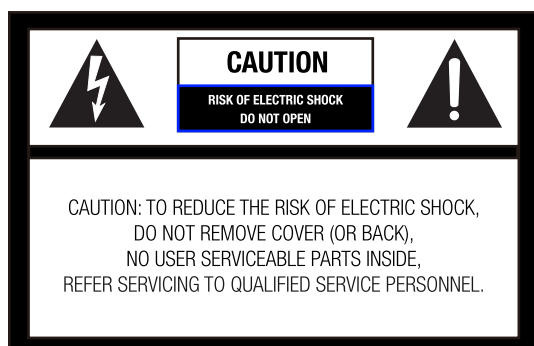
25 Warning: before connecting the line plug to lines, please make sure it is grounded. Likewise, when disconnecting grounding, please make sure line plug is disconnected.

26 Equipments with class 1 structure (3-pin plug grounding) must connect to MAINS socket with connection protection.

## Preface

Thank you for purchasing our product. We manufacture amplifiers, including 3 series, mixing amplifiers with 6 zones, as well as amplifiers with Mp3 player, providing various choices for users. The products are practical and reliable, and receive a lot of popularity among customers. We will continue to provide high-quality products and services for you.

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### WARNING!

TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK  
DO NOT EXPOSE THIS EQUIPMENT TO RAIN OR MOISTURE.



This symbol is intended to alert the user to the presence of uninsulated dangerous voltage within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.



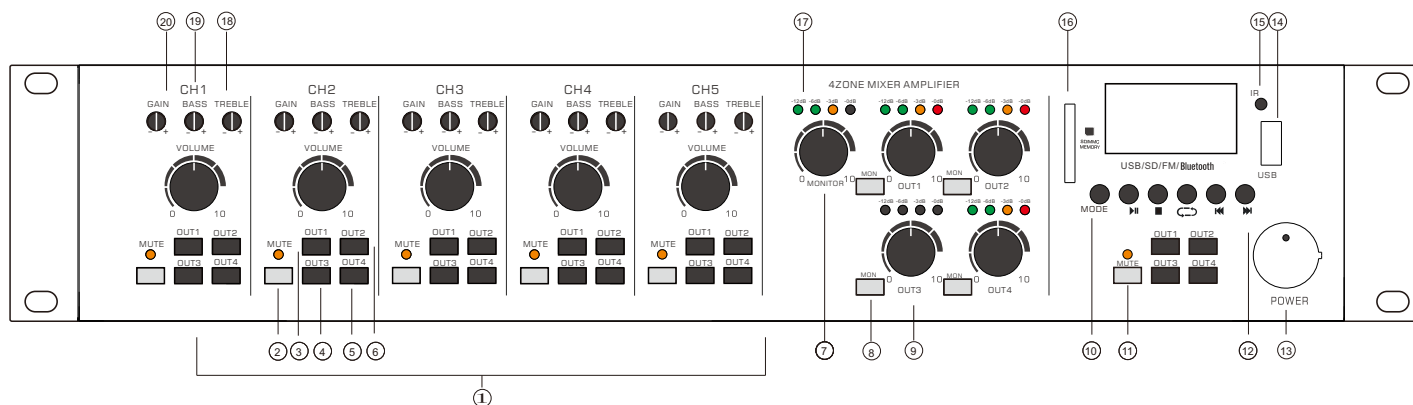
This symbol is intended to alert the user to the presence of important operational and maintenance (servicing) instructions in the literature accompanying the appliance.

#### Caution:

To prevent electric shock do not use this (polarised) plug with an extension cord, receptacle or other outlet unless the blades can be fully inserted to prevent blade exposure. To prevent electric shock, match wide blade of plug to wide slot, fully insert.

# Introduction of mixing amplifiers with zones and Mp3 player

## Front panel



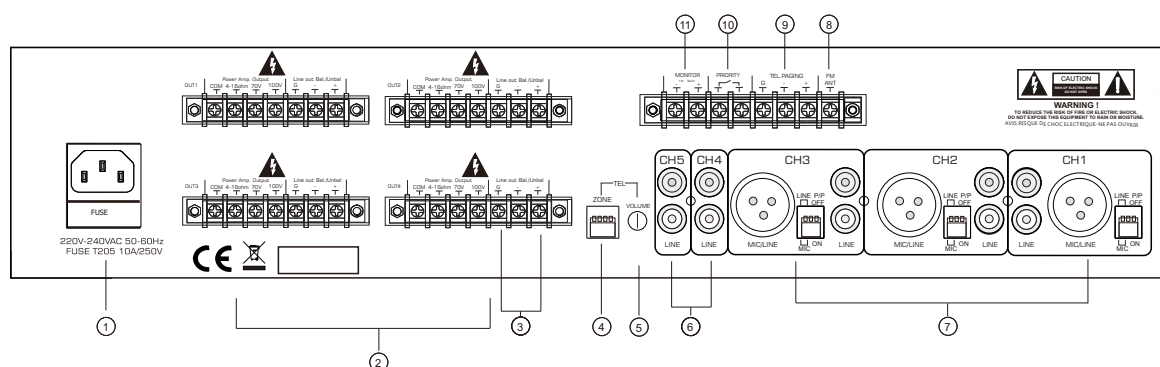
1 1-5MIC inputs with volume controller	2 Mute switch	3 OUT1 input
4 OUT2 input	5 OUT3 input Playing modes	6 OUT4 input
7 Monitor volume controller	8 Monitor input switch	9 Out1-4volume controller
10 Modes(FM, Blue tooth, USB/SD) Pause/ Play Stop Playing modes	11 Mp3 Mute switch	12 Previous track Next Track
13 Power Switch	14 USB input	15 IR control reception
16 SD card input	17 LED for signal level	18 High frequency gain adjustment. Increase attenuation -/+10dB
19 Low frequency gain adjustment increase attenuation -/+10DB	20 Gain control	

### Remark :

Play Mp3, Blue tooth, FM tuner, insert USB/SD, play tracks automatically. press ( ) for FM, Blue tooth. Press once for FM, and press ( ) to search programs. It saves programs automatically. Press ( or ) to choose program. Press ( ) to switch to blue tooth function. 1. BLUE:BT NOT LINK. open blue tooth in mobile phone, choose BT-SPEAKER and click it to match. After it is matched, the LCD screen on amplifier shows BLUE:CONNECTING. Open the playing APP in mobile phone, choose songs, turn up Mp3 volume, and it can play music. The effective distance is 6-10 meters.

# Introduction of mixing amplifiers with zones and Mp3 player

## Back panel



- |  |   |  |
|--|---|--|
| 1 AC Power input                                     | 2 OUT1-2-3-4 or 4R-70V-100V Speaker out | 3 Channel assisted audio balanced output |
| 4 Tel audio Partition input selection                | 5 Tel volume control                    | 6 Ch4-ch5 input                          |
| 7 1-3 Mixing input XRL mic switching line and Ph 12V | 8 FM ANT INPUT                          | 9 Tel input                              |
| 10 Priority control                                  | 11 Monitor output                       |  |

## Product Specification

Model:	SP-MX460	SP-MX4120
Input A/C power voltage:	AC210-240V 50Hz	
Rated consuming power:	650W	960W
A/C Fuse:	8A	12A
4-16Ω:	4*60W	4*120W
70V Output Impedance:	80Ω	41Ω
100V Output Impedance:	166Ω	82Ω
Frequency Response:	20KHz -60Hz <-1dB>	
THD:	100VOUT<-3dB> 0.5%	
Aux input:	500mV	
Mic input:	4mV	
S/N Ratio:	>80dB	
Pec-out:	650mV-750mV	
Dimension:	483mm×88mm×410mm	
Weight:	12kg	17kg