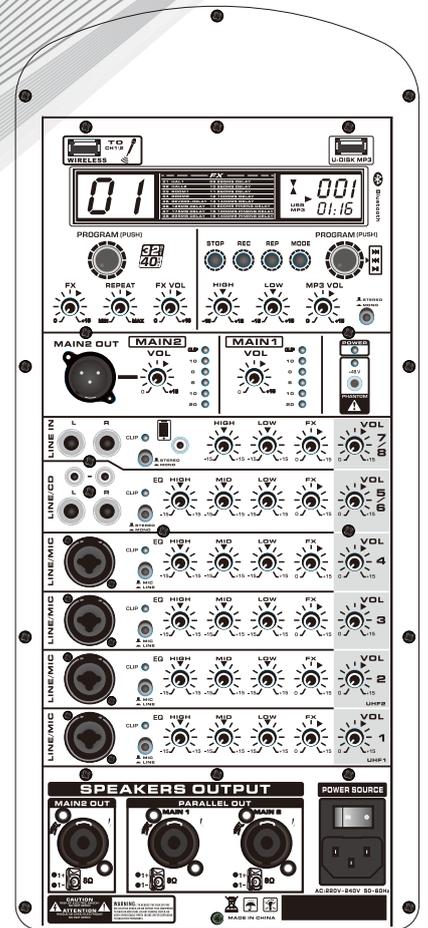
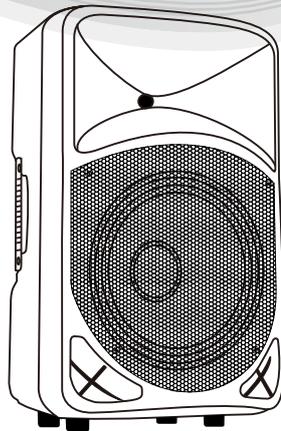


# Active Speaker



Multi-function performance active speaker

**USER'S MANUAL**

## Important safety instructions



### Caution !

To reduce the risk of electric shock, do not remove the top cover (or the rear section). No user serviceable parts inside. Refer servicing to qualified personnel

### Caution !

To reduce the risk of fire or electric shock, do not expose this appliance to rain and moisture. The apparatus shall not be exposed to dripping or splashing liquids and no objects filled with liquids, such as vases, shall be placed on the apparatus.



This symbol, wherever it appears, alerts you to important operating and maintenance instructions in the accompanying literature. Please read the manual.



This symbol, wherever it appears, alerts you to the presence of uninsulated dangerous voltage inside the enclosure - voltage that may be sufficient to constitute a risk of shock.

### Caution !

- [1]. Keep these instructions.
- [2]. Heed all warnings.
- [3]. Follow all instructions.
- [4]. Follow all instructions.
- [5]. Do not use this apparatus near water
- [6]. Clean only with dry cloth.
- [7]. Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
- [8]. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
- [9]. Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding-type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
- [10]. Place the power cord so that it is protected from being walked on and sharp edges. Be sure that the power cord is protected particularly at plugs, convenience receptacles and the point where it exits from the apparatus
- [11]. The apparatus shall be connected to a MAINS socket outlet with a protective earthing connection.

- [12]. Where the MAINS plug or an appliance coupler is used as the disconnect device, the disconnect device shall remain readily operable.



- [13]. Only use attachments/accessories specified by the manufacturer.
- [14]. Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.
- [15]. Unplug this apparatus during lightning storms or when unused for long periods of time.
- [16]. Refer all servicing to qualified service personnel. Servicing is 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 rain or moisture, does not operate normally, or has been dropped.

## Before you get started

### Shipment

Your mixing console was carefully packed in the factory to guarantee safe transport. Nevertheless, we recommend that you carefully examine the packaging and its contents for any signs of physical damage, which may have occurred during transit.

- ☞ If the unit is damaged, please do NOT return it to us, but notify your dealer and the shipping company immediately, otherwise claims for damage or replacement may not be granted.

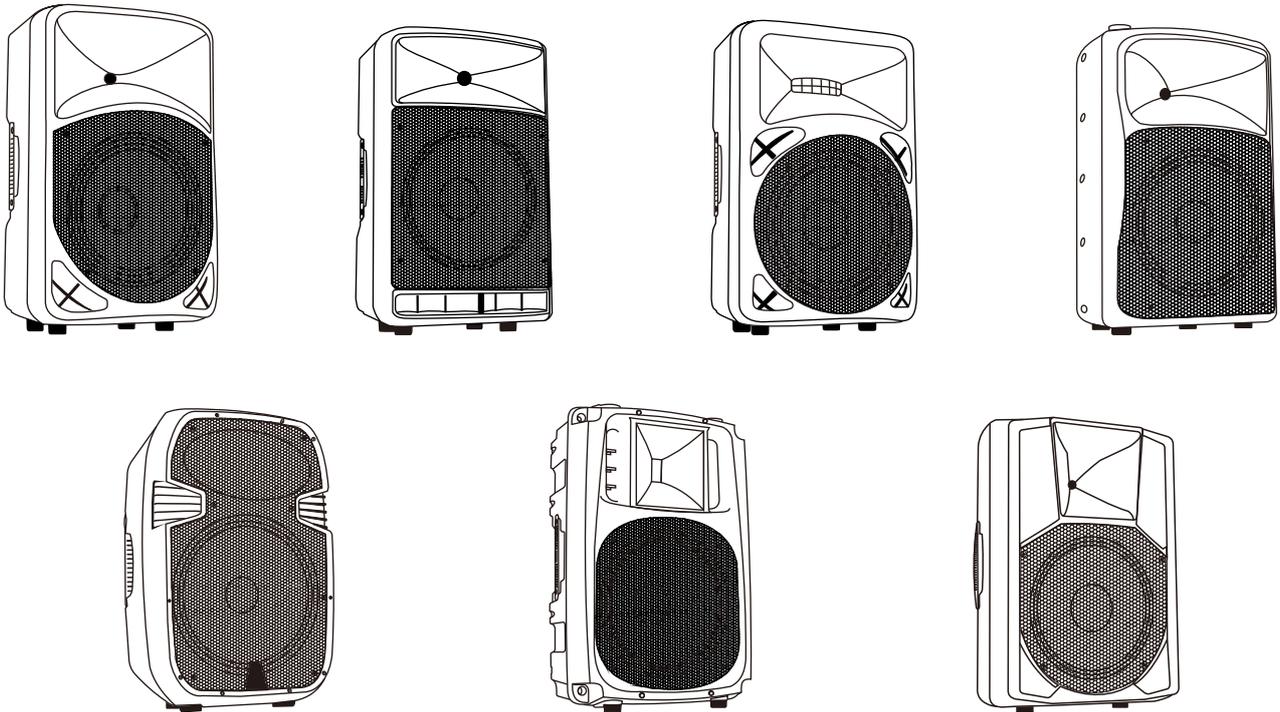
### Initial operation

Be sure that there is enough space around the unit for cooling purposes and to avoid over-heating please do not place your mixing console on high-temperature devices such as radiators or power amps. The console is connected to the mains via the supplied cable. The console meets the required safety standards. Blown fuses must only be replaced by fuses of the same type and rating.

- ☞ Please note that all units must be properly grounded. For your own safety, you should never remove any ground connectors from electrical devices or power cables, or render them inoperative.
- ☞ Please ensure that only qualified people install and operate the mixing console. During installation and operation, the user must have sufficient electrical contact to earth, otherwise electrostatic discharges might affect the operation of the unit.

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- Function Introduction..... ③
- Real panel layout..... ④
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## PREFACE USE



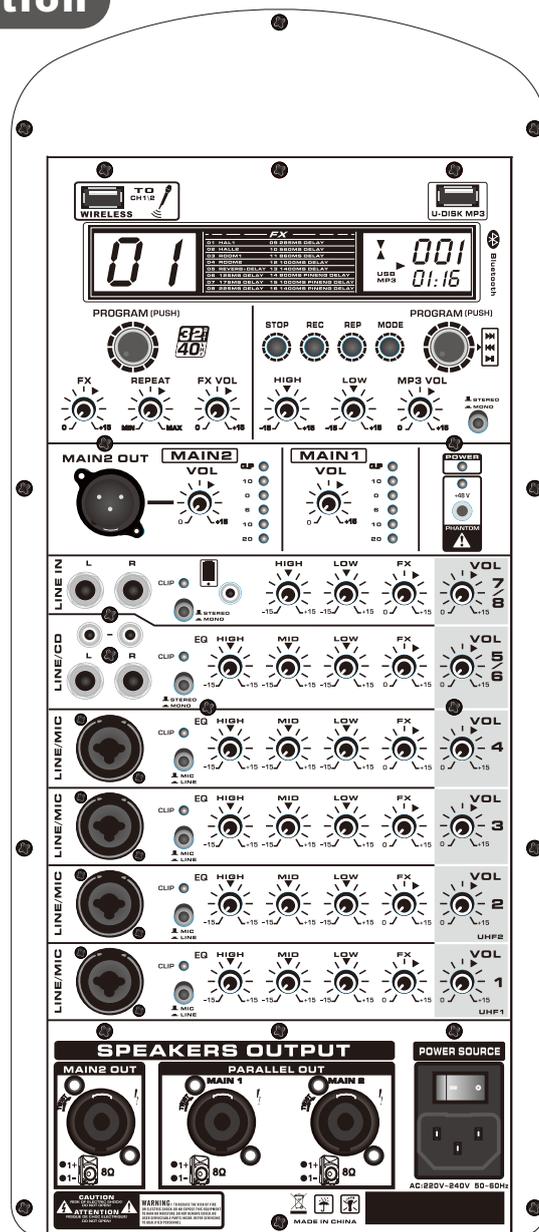
The speakers covered by this manual are not intended for fixed installation in outdoor or high moisture environments . Moisture can damage the speaker cone and surround and cause corrosion of electrical contacts and metal parts . Avoid exposing the speakers to direct moisture . Keep speakers out of extended or intense direct sunlight . The speaker can generate considerable energy . When placed on a slippery surface such as polished wood or linoleum , the speakers may move due to its acoustical energy output . Precautions should be taken to assure that the speaker does not fall off a stage or table on which it is placed .

### Stand mounting safety precautions

The model cabinet on this manual is equipped with a 35mm receptacle cup to allow mounting on tripod stands or pillar. When using the bracket connection, be sure to observe the following precautions :

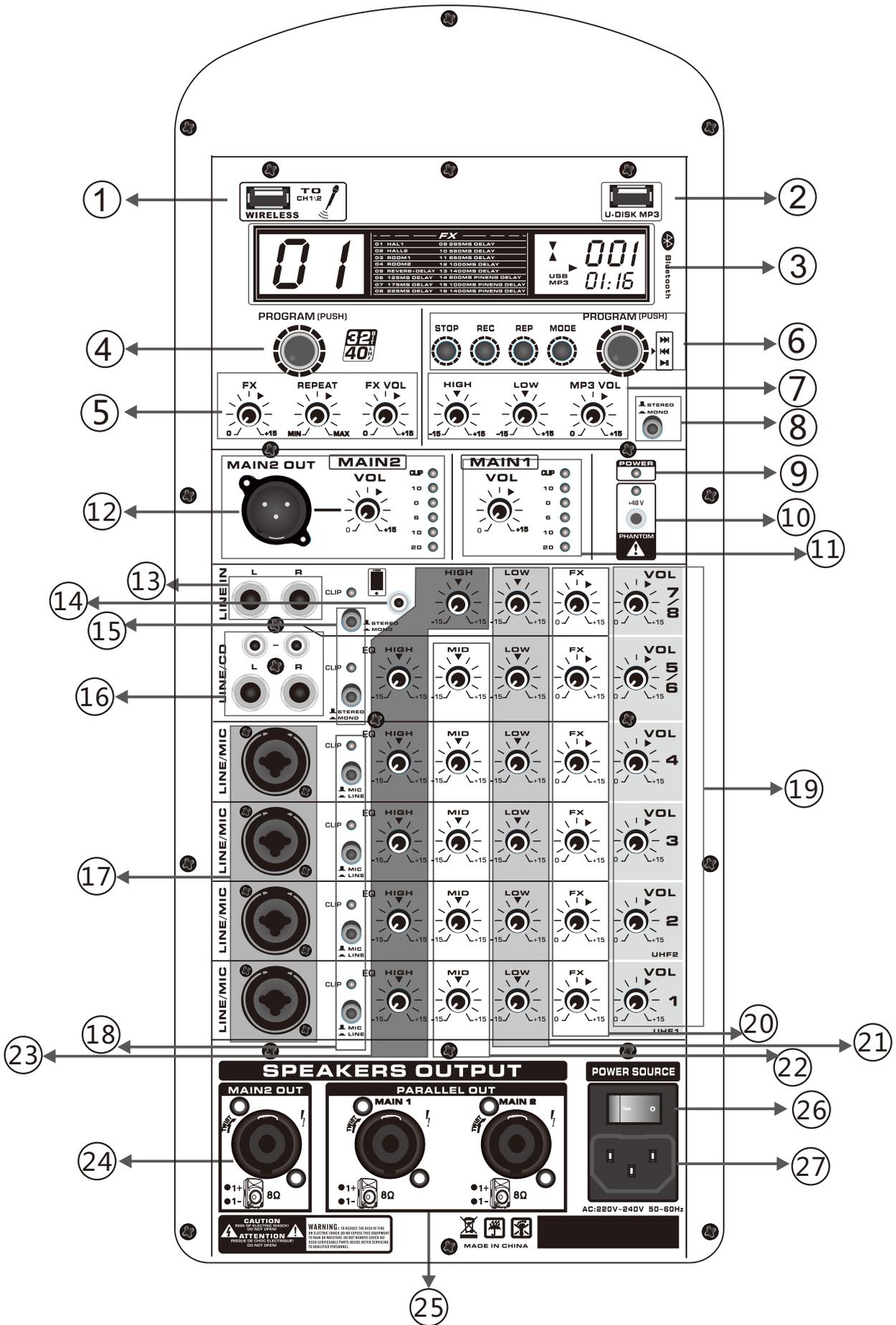
1. Check the stand or pole specification to be certain the device is designed to support the weight of the speaker.
2. Observe all safety precautions specified by the manufacture .
3. Always verify that the stand (or subwoofer / pole ) is placed on a flat ,level and stable surface and ensure safety
4. Position the stand so that the legs do not present a trip hazard .  
Route cables so that the performers ,production and audience will not trip and topple the speakers over .
5. Inspect the stand (or pole and associated hardware ) before each use  
and do not use equipment with worn ,damaged ,or missing parts .
6. Always be cautious in windy ,outdoor conditions .It may be necessary to place additional weight ( i.e.sand bags )  
on the base of the stand to improve stability .  
Avoid attaching banners or similar items to any part of a speaker system .  
Such attachments could act as as sail and topple the system .
7. Unless you are confident that you can handle the weight of the speaker ,  
ask another person to help you get it onto the tripod stand or pole .
8. The loudspeakers are easily capable of generating sound pressure levels (SPL) sufficient to cause permanent hearing  
damage to performers ,production crew and audience members .Caution should be taken to avoid prolonged exposure  
to SPL in excess of 90 dB.

## Function introduction



- Built-in high-power Class D amplifiers, beyond your expected output impedance. In addition to the main box, it can easily connect with three passive speakers. Amazing sound pressure is achieved when four speaker outputs are selected.
- Ultra-wide flat frequency response.
- A rich 8-channel input interface is available for performance use.
- The four channel have phantom power +48V.
- Equipped with a multi-function MP3 Bluetooth player.
- Upgrade 16DSP(32bit)
- Built-in USB wireless microphone input interface.

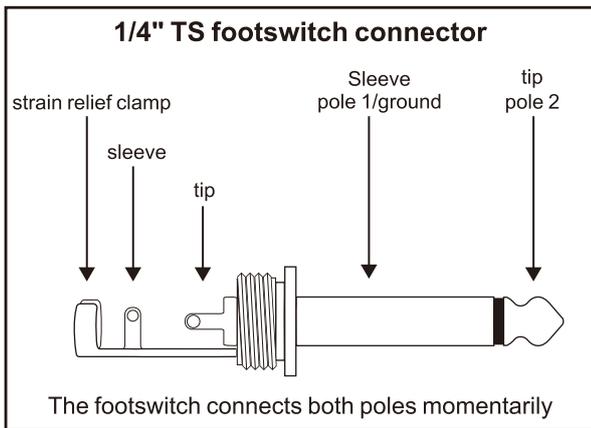
# Real panel layout



## Real panel layout

- ① USB wireless microphone input interface(optional accessories)  
Control on 1、 2 channels when in use
- ② Mp3 input interface
- ③ multi-function display:  
display current DSP effect mode usage and Mp3 play status
- ④ Multi-function selector switch:  
used to select the type of DSP、 rotate left and right for selection/press OK.
- ⑤ Reverb adjustment knob:  
FX(audio signal input size)  
Repeat( control repeat parameter)  
FX VOL(reverb output volume)
- ⑥ Mp3 player button:  
“STOP”“REC Recording”  
Loop playback  
MODE MP3/Bluetooth Switching  
Multi-function control button/play、 pause、 previous and next
- ⑦ Mp3 Player output volume, height, bass adjustment knob
- ⑧ Stereo and mono conversion of Mp3 output signals.
- ⑨ Main power indicator:  
when the power is on, the light is always on.
- ⑩ Phantom Power +48V:  
This switch switches the phantom power on and off. When the switch is turned on, +48V phantom power is supplied to all channels with XLR input jacks.
- ⑪ MAIN 1 control volume and level indicator of this speaker:  
This knob is used to control the main output volume of this speaker and the level indicator light is used at the same time. When the CLP lamp starts to light, it means that the output signal strength is too high and the distortion limit function is automatically turned on.
- ⑫ Another speaker MAIN 2 (sub-box) level control and line output and level indicator:  
This knob simultaneously controls the "output" interface and the output level of the MAIN2 OUT and the level indicator are used at the same time. When the CLP lamp starts to light, it means that the output signal strength is too high and the distortion limit function is automatically turned on.
- ⑬ 6.35MM input interface:  
L (left channel input)  
R (right channel input)
- ⑭ 3.5MM input interface:  
Connect your phone/MP3 player, etc.  
Stereo input with priority function When using this interface, the line automatically disconnects the input of the same 6.35MM interface.
- ⑮ Stereo and mono conversion of the input signal of the channel:  
STEREO (stereo), MONO (mono)
- ⑯ 6.35MM input interface and CD input interface:  
L (left channel input)  
R (right channel input)
- ⑰ 1, 2, 3, 4 channel line and microphone input interface:  
The interface is a composite dual-purpose interface of XLR and 6.35MM.
- ⑱ 1, 2, 3, 4 channel line or microphone input switch:  
■ This status is microphone input  
▲ This state is the line signal input
- ⑲ Output volume of each channel
- ⑳ The output of each channel to the volume of the reverb
- ㉑ Bass adjustment knob for each channel
- ㉒ Middle adjustment knob for each channel
- ㉓ Treble adjustment knob for each channel
- ㉔ Another speaker MAIN 2 (sub-box) output interface:  
With the standard speaker, (the speaker impedance is 8Ω )
- ㉕ Please use these two interfaces when you need to add with two speakers(the speaker impedance is 8Ω )
- ㉖ Total power switch: ON、 OFF
- ㉗ AC input socket

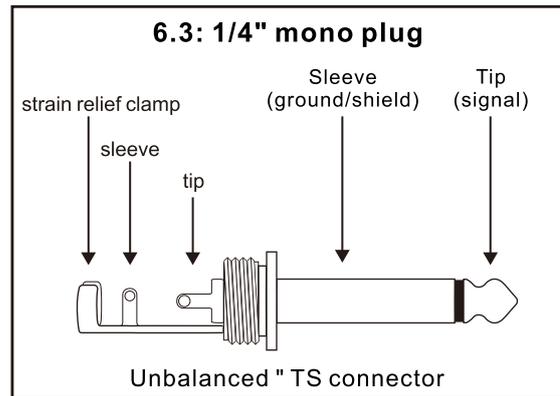
# Cable connection



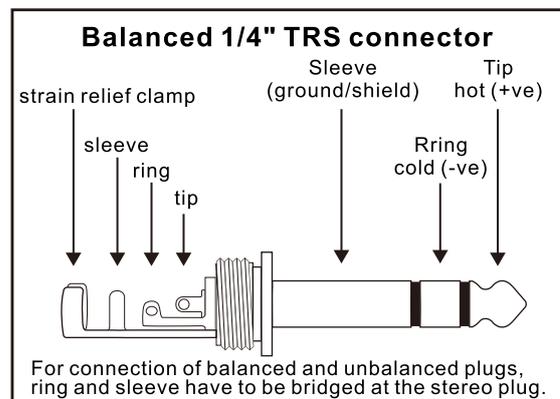
Foot switch connector

## Audio connections

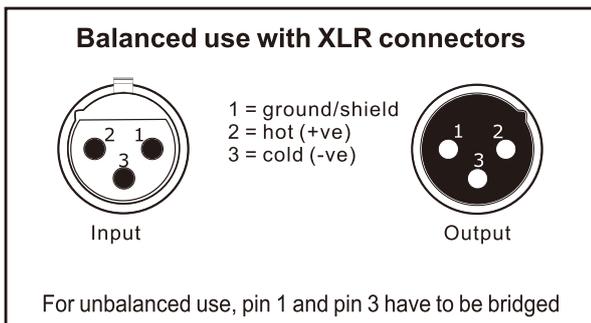
Please use commercial RCA cables to wire the 2-track inputs and outputs. You can, of course, also connect unbalanced devices to the balanced input/outputs. Use either mono plugs, or use stereo plugs to link the ring and shaft (or pins 1 & 3 in the case of XLR connectors).



6.3: 1/4" mono plug

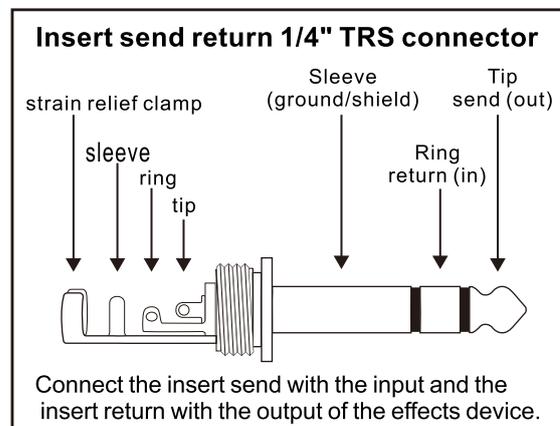


Balanced 1/4" TRS connector

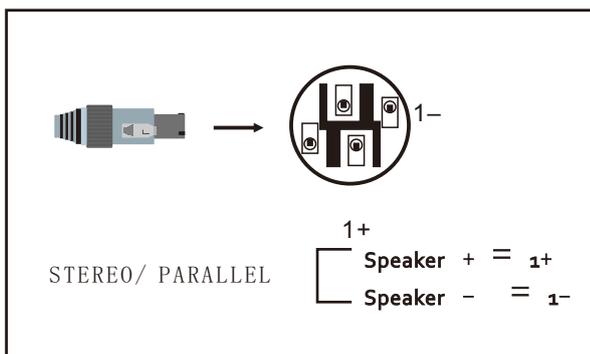


## XLR connections

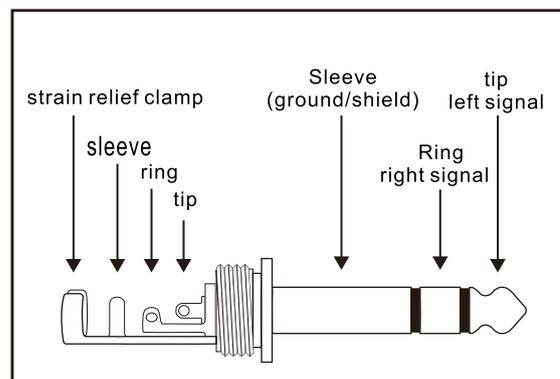
Caution! You must never use unbalanced XLR connectors (PIN 1 and 3 connected) at the MIC input jacks if you want to use the phantom power supply.



Insert send/return stereo plug

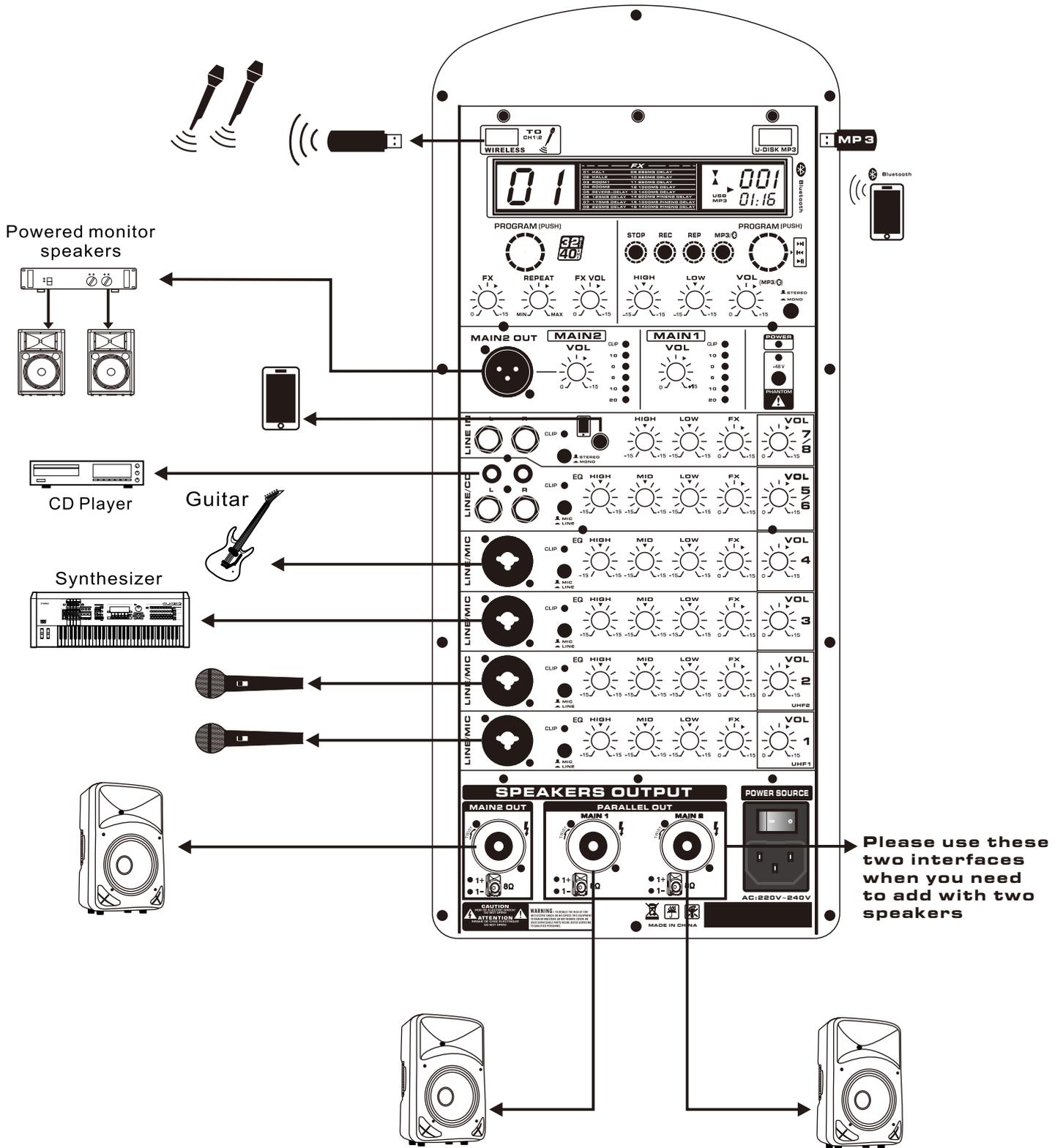


NL4FC SPEAKER CONNECTORS



1/4" TRS headphones connector

# Connection diagram

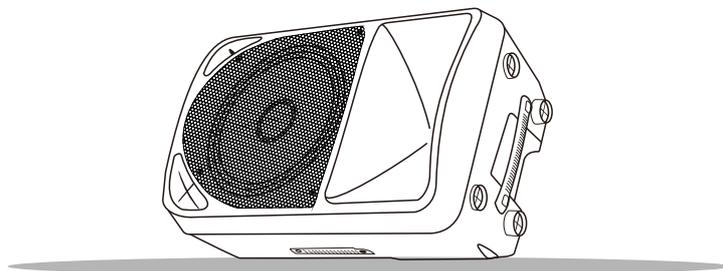


## Use placement

### Rack Mount installation



### Ground plane placement



## Common troubleshooting

Fault conditions,	Troubleshooting
The power on light does not light up.	Check if the power cord is plugged in, the power cord is damaged, and the fuse above the power outlet is blown.
U disk playback no sound	Check if the playback status, the main volume knob is off, and whether the playback can read the USB flash drive normally.
Mp3 music sound quality is abnormal	Check if the high/bass knob is adjusted to its own position.
The Bluetooth connection of the mobile phone is not normal.	Check if Bluetooth is connected, Whether the Bluetooth of the mobile phone is connected to the Bluetooth of the speaker, and whether the Bluetooth signal is beyond the usable range. If the above methods are not resolved, please try to restart the speaker power and try again.,
External equipment has abnormal noise	Check whether the device connected to the channel is normal and the interface is not properly connected.
Connecting a wired microphone is too small	Check if the LINE/MIC button on the used channel is in the <b>■</b> status.
Abnormal sound when using line input	Confirm the status of the beginning of the FX knob and select it as needed. Check if the +48V switch is not turned on when the condenser microphone is connected.

## Specifications

Driver Quantity	15"x1(Low)1* 34mm (High)	
Rated output power:	350W+350W	
Output Circuitry:	Class D	
Line Channel	8CH	
Channel EQ	3 BAND	
MIC	4	
EFFECT	16DSP	
AUX SEND	1	
External speaker interface	3	
Output impedance	8Ω	
Overall efficiency	≥88%	
Power Supply	220V~,50Hz	<input type="checkbox"/>
	115V~,50Hz	<input type="checkbox"/>

