

USER'S MANUAL

FPDIO,IOA,12,12A,12AU,15,15A,15AU

SOUNDKING AUDIO

WWW.SOUNDKING.COM

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The information involved in this manual is subject to change without notice.



IMPORTANT SAFETY SYMBOLS



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.



The symbol is used to indicate that some hazardous live terminals are involved within this apparatus, even under the normal operating conditions, which may be sufficient to constitute the risk of electric shock or death.



The symbol is used in the service documentation to indicate that specific component shall be replaced only by the component specified in that documentation for safety reasons.



Protective grounding terminal



Alternating current/voltage



Hazardous live terminal

ON: Denotes the apparatus is turned on

OFF: Denotes the apparatus is turned off.

WARNING: Describes precautions that should be observed to prevent the danger of injury or death to the operator.

CAUTION: Describes precautions that should be observed to prevent danger of the apparatus.

IMPORTANT SAFETY INSTRUCTIONS

- **Read these instructions.**
- **Keep these instructions.**
- **Heed all warning.**
- **Follow all instructions.**

• **Water & Moisture**

The apparatus should be protected from moisture and rain, can not used near water, for example: near bath-tub, kitchen sink or a swimming pool, etc.

• **Heat**

The apparatus should be located away from the heat source such as radiators, stoves or other appliances that produce heat.

• **Ventilation**

Do not block areas of ventilation opening. Failure to do could result in fire. Always install accordance with the manufacturer's instructions.

• **Object and Liquid Entry**

Objects do not fall into and liquids are not spilled into the inside of the apparatus for safety.

• **Power Cord and Plug**

Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.

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 is provided for your safety. If the provided plug does not fit into your outlet, refer to electrician for replacement.

• **Power Supply**

The apparatus should be connected to the power supply only of the type as marked on the apparatus or described in the manual. Failure to do could result in damage to the product and possibly the user.

Unplug this apparatus during lightning storms or when unused for long periods of time.

• **Fuse**

To prevent the risk of fire and damaging the unit, please use only of the recommended fuse type as described in the manual. Before replacing the fuse, make sure the unit turned off and disconnected from the AC outlet.

• **Electrical Connection**

Improper electrical wiring may invalidate the product warranty.

• **Cleaning**

Clean only with a dry cloth. Do not use any solvents such as benzol or alcohol.

• **Servicing**

Do not implement any servicing other than those means described in the manual. No user serviceable parts inside, refer all servicing to qualified service personnel only.

- Only use accessories/attachments or parts recommended by the manufacturer.

8. SERVICE INFORMATION

If you have a problem with your soundking product or think it has developed a fault you should first carefully check the Trouble Shooting section in this guide. If this does not solve the problem or if the product is physically damaged, contact your local dealer or distributor for service details.

Should it be recommended you return the product to your nearest soundking Service Centre you must first contact them. You will be asked for the product type and serial number. You will then be given a returns Authorisation (RA) number. Pack the unit in its original carton to protect it from shipping damage.

You must have the Returns Authorisation number clearly marked on the outside of the carton or we may refuse the delivery. soundking cannot be held responsible for damage resulting from the equipment being packed incorrectly. Label the equipment clearly with your name and address and include a clear description of the fault. The more information you supply helps the service engineer, minimising repair cost when out of warranty.

Please write your serial number here for future reference.

9. Trouble shooting:

Problem	Reason
Power LED does not light up	Check if the power cord is connected well? If power supply is ok? If the power switch is set to ON? If the amp fuse is broken?
No sound	If the system is connected well? if power supply is turned on? if signal input is ok?
Distortion	If the signal level is too high? If PEAK LED lights up?? if the switch is released?
Abnormal tone	If system is connected well? if signal input is ok? if ground switch is released?
Insufficient SPL	If system is connected well? if volume knob(LEVEL/GAIN) is set well?

If you can not solve the problem, please contact our distributor.

10. UNPACKING

Remove your soundking product from its packaging and check you have the following:

Speaker cabinet	1PCS
Power cord(no cord for passive model)	1PCS
User guide	1PCS
Warranty card	1PCS

Model	FPD 12A	FPD 12AU
Format	12"two way active full range speaker cabinet	12"two way active full range speaker cabinet
Frequency Response(-10dB)	50Hz--20KHz	50Hz--20KHz
Input Sensitivity LINE	0 dBu	0 dBu
MIC	–40dBu	–40dBu
Max SPL	124dB	124dB
Amp power	250W (LF)+70W (HF)	250W (LF)+70W (HF)
LF unit	12 inch woofer/50mm voice coil /200W/8Ω	12 inch woofer/50mm voice coil /200W/8Ω
HF unit	34mm compression driver/1 inch throat /30W	34mm compression driver/1 inch throat /30W
Coverage (V*H)	90°x60°	90°x60°
Crossover	2.0 kHz	2.0 kHz
Input connection	JACK/XLR	JACK/XLR
		MP3 playback, SD card/USB port
Input voltage	230V/115V （switchable）	230V/115V （switchable）
Suspension	5×M10	5×M10
Dimension(W*H*D)	390×630×360 (mm)	390×630×360 (mm)
Weight	17 kg	17 kg

Model	FPD 15A	FPD 15AU
Format	15"two way active full range speaker cabinet	15"two way active full range speaker cabinet
Frequency Response(-10dB)	45Hz--20KHz	45Hz--20KHz
Input Sensitivity LINE	0 dBu	0 dBu
MIC	–40dBu	–40dBu
Max SPL	125dB	125dB
Amp power	250W (LF)+70W (HF)	250W (LF)+70W (HF)
LF unit	15 inch woofer/50mm voice coil /200W/8Ω	15 inch woofer/50mm voice coil /200W/8Ω
HF unit	34mm compression driver/1 inch throat /30W	34mm compression driver/1 inch throat /30W
Coverage (V*H)	90°x60°	90°x60°
Crossover	2.0 kHz	2.0 kHz
Input connection	JACK/XLR	JACK/XLR
		MP3 playback, SD card/USB port
Input voltage	230V/115V （switchable）	230V/115V （switchable）
Suspension	5×M10	5×M10
Dimension(W*H*D)	450×710×370 (mm)	450×710×370 (mm)
Weight	20.2 kg	20.2 kg

1. Introduction

Thank you for purchasing Soundking FPD series of professional passive plastic loudspeaker. FPD10/12/15 and FPD10A/12A/15A/10AU/12AU/15AU are available. You can also use a 15” subwoofer to extend the LF response. High quality woofer and HF compression driver deliver clear /delicate /wide dynamic tone. The high strength polypropylene enclosure avoids the standing wave and makes the sound more powerful. The handles are offered for convenient transportation. Suitable for the application in meeting room, multi-function hall, music hall, bar, etc.

2. PRECAUTIONS& ATTENTIONS

To avoid incident damages to you or losses to device or property, please following the cautions, which are included but not limited the followings:
To ensure safety transportation please make proper packing before out of factory. When you unpack it at first time,please check if the product has incident damage caused by transportation.
The device can make high sound pressure that can surpass 90dB, which can cause permanent hearing damage. Therefore, please select an appropriate volume set.
Please ask professional technician to hang the speaker with safety bracket.
Please use DB009/DB009-1 speaker bracket or other matched brackets made by SOUNDKING to support speakers, please pay attention to the following items: place the bracket on flat, anti-skid surface.
Open the bracket's foot as wide as possible to ensure it's stability.
Lock the fixed the bolt firmly.
Please place subwoofer on flat, rigid and anti-skid surface.
Caution to avoid sound feedback, which may damage your audio device.
Don't unplug signal cable when amplifier is still on, otherwise it would damage your audio device.
Don't remove the metal grille of speaker, otherwise it would cause irreversible damage.

3.Features

- *Constant directivity horn, even audio in the coverage;
- *Polypropylene injection enclosure, more powerful sound, light weighted
- *Built-in LC crossover, HF protection circuit with low noise
- *Multi-angle to suit for stage monitoring
- *Three handles for convenient transportation
- *5 M10 suspension points to ensure safety and reliability; quick set up. Also mounted on speaker stand

4. SAFETY INSTRUCTIONS

READ THIS BEFORE YOU USE THIS PRODUCT

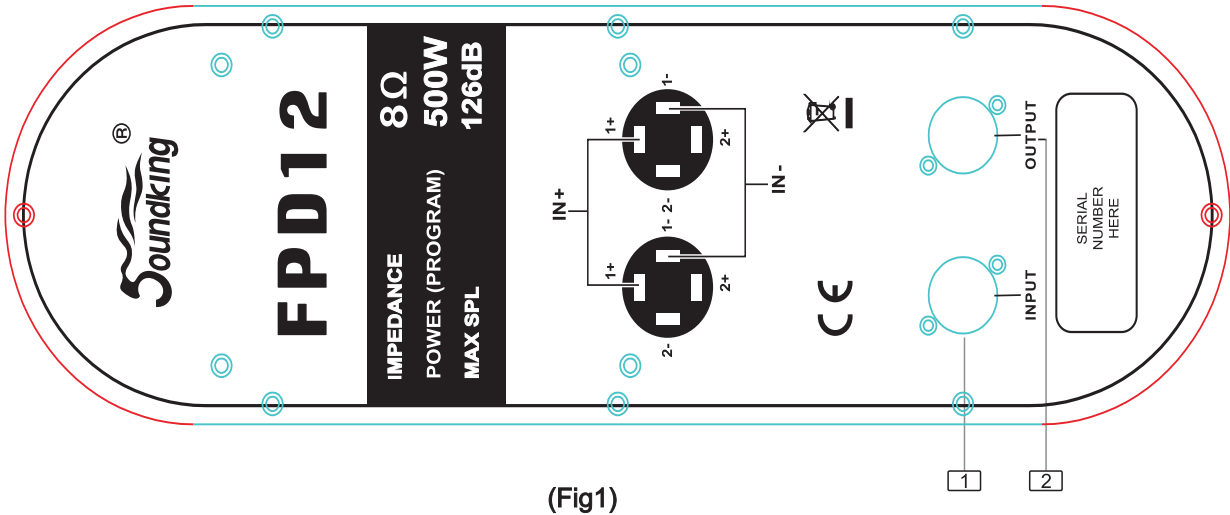
- 1. Before connecting the A.C. power cord make sure the Voltage Selector is set for your local A.C. supply voltage.
For supplies between 220 and 240V ensure it is set to 230V.
For supplies between 110 and 120V ensure it is set to 115V.
 - 2. Only use the A.C. power cord / mains lead supplied with this product. Replace if it becomes damaged in any way.
 - 3. Never operate without, or remove the safety ground (earth) from the A.C. Power cord/mains lead.
 - 4. Do not attempt to remove any screws or panels. There are no user serviceable parts inside.
 - 5. Do not operate the unit next to heat sources such as radiators.
 - 6. The unit should not be operated or stored near rain or moisture.
 - 7. This equipment must not be exposed to dripping or splashing and no objects filled with liquids should be placed on top of it.
 - 8. Write the serial number in the box provided in the Warranty section for future reference.
 - 9. If the unit gets damaged, has been dropped or appears to have developed a fault refer to the Service Information section for details.
- WARNING: THIS APPARATUS MUST BE EARTHED (GROUNDED)



WEEE Mark

If you want to dispose of this product, do not mix with general household waste. There are separate collection systems for used electronic products in accordance with legislation under the WEEE Directive (Directive 2002/96/EC) and is effective only within the European Union.

Panel operation



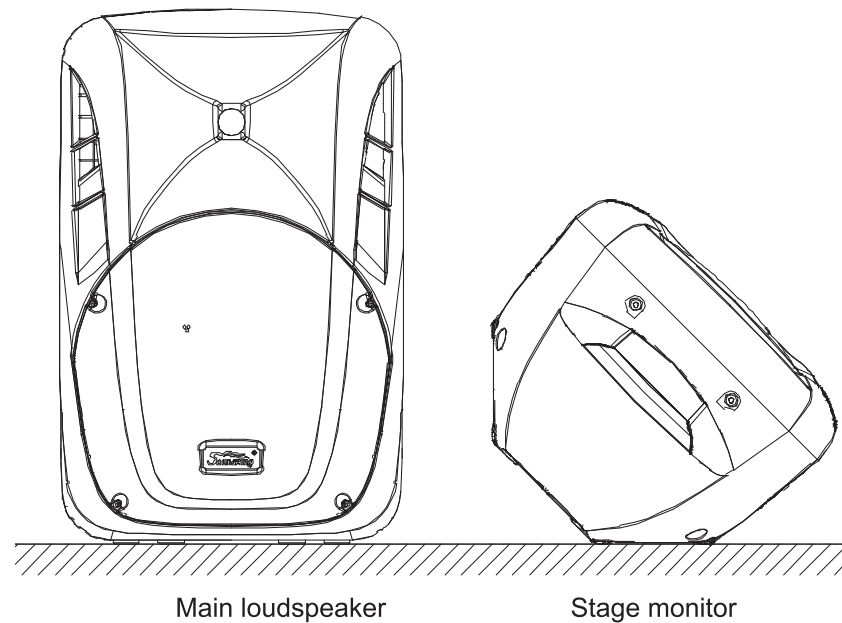
(Fig1)

Passive panel(fig1)

- 1). Speaker socket -connect to power amplifier
- 2). Speaker socket -can be used to link addition speakers

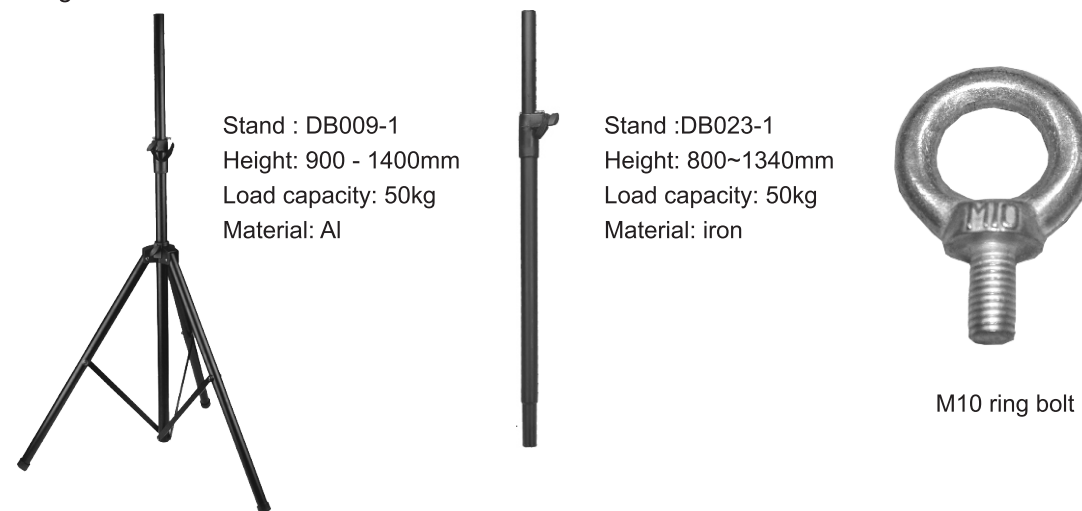
Model	FPD 15
Type	15" two way passive full range speaker cabinet
Frequency Response(-10dB)	45Hz--20KHz
Sensitivity 1W/1m	97dB
Impeadence	8Ω
Rated power	300W (continuous) , 1200 (peak)
Crossover Frequency	2.0kHz
LF unit	15" MFLF /65mm voice coil /300W
HF unit	34mm compression driver/1 inch throat/30W
Coverage (HxV)	90°x60°
Max SPL	128dB
Input connection	5×M10
Dimension(W x H x D)	450×710×370 (mm)
Weight	20.4 kg

Model	FPD 10A	FPD 10AU
Format	10"two way active full range speaker cabinet	10"two way active full range speaker cabinet
Frequency Response(-10dB)	60Hz--20KHz	60Hz--20KHz
Input Sensitivity	LINE 0dBu	0 dBu
	MIC -40dBu	-40dBu
Max SPL	121dB	121dB
Amp power	200W (LF)+50W (HF)	250W (LF)+70W (HF)
LF unit	10 inch woofer/50mm voice coil /150W/8Ω	10 inch woofer/50mm voice coil /150W/8Ω
HF unit	34mm compression driver/1 inch throat /30W	34mm compression driver/1 inch throat /30W
Coverage (V*H)	90°x60°	90°x60°
Crossover	2.5 kHz	2.5 kHz
Input connection	JACK/XLR	JACK/XLR
		MP3 playback, SD card/USB port
Input voltage	230V/115V (switchable)	230V/115V (switchable)
Suspension	2×M10	2×M10
Dimension(W*H*D)	335×545×319 (mm)	335×545×319 (mm)
Weight	14 kg	14 kg



6. Optional parts

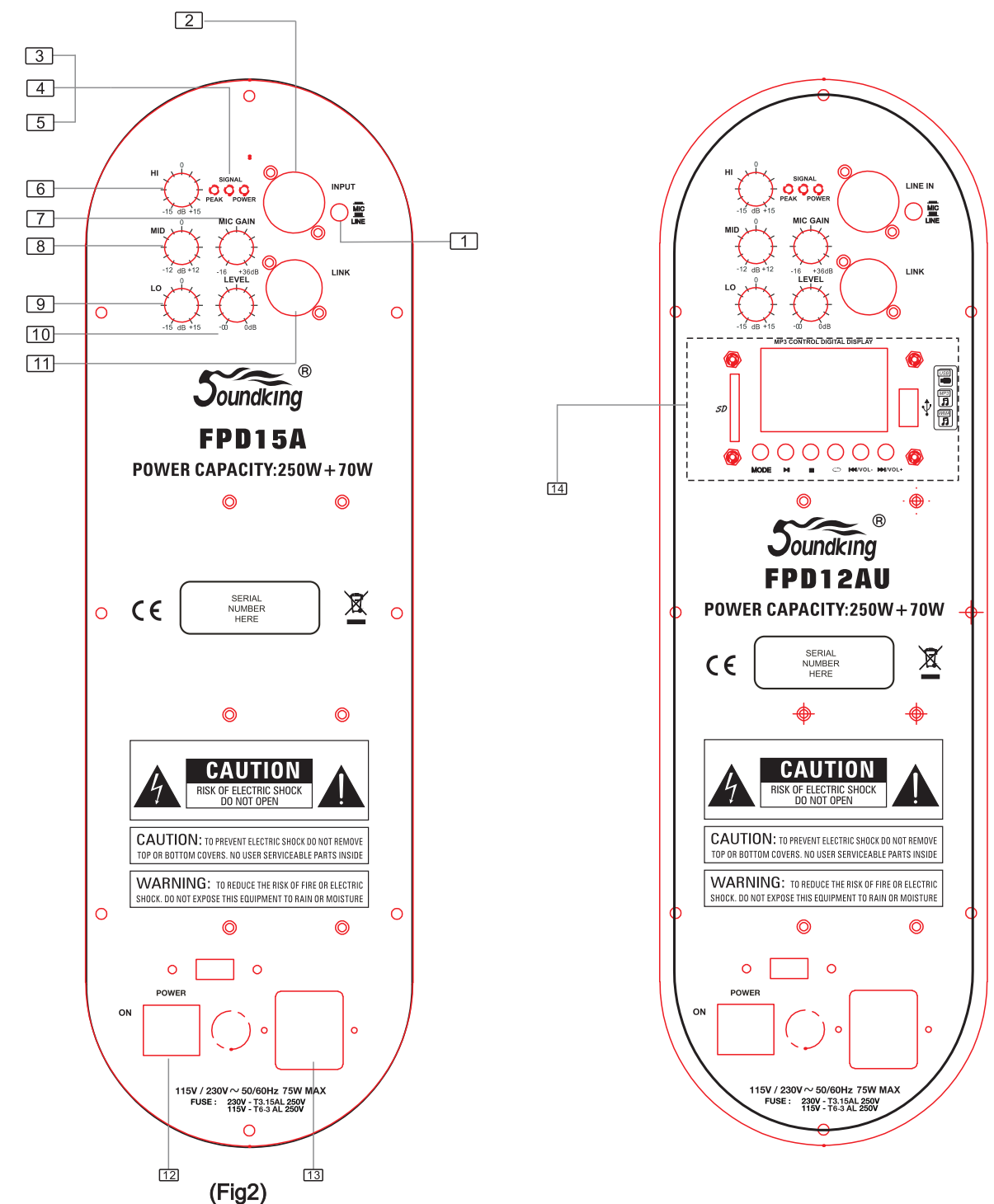
Optional parts are available. Please contact our distributor or check our website:
www.soundking.com.



7. Specification

Model	FPD 10	FPD 12
Type	10" two way passive full range speaker cabinet	12" two way passive full range speaker cabinet
Frequency Response(-10dB)	60Hz--20KHz	50Hz--20KHz
Sensitivity 1W/1m	94dB	96dB
Impeadence	8Ω	8Ω
Rated power	200W (continuous) , 800 (peak)	250W (continuous) , 1000 (peak)
Crossover Frequency	2.5kHz	2.0kHz
LF unit	12" MFLF /65mm voice coil /200W	12" MFLF /65mm voice coil /200W
HF unit	34mm compression driver/1 inch throat/30W	34mm compression driver/1 inch throat/30W
Coverage (HxV)	90°x60°	90°x60°
Max SPL	123dB	126dB
Input connection	2×M10	5×M10
Dimension(W x H x D)	335×545×319 (mm)	390×630×360 (mm)
Weight	13 kg	17.2 kg

Active panel(Fig2)



- 1).Line/mic switch
press this switch for mic in and release for line in.
- 2). INPUT
Combination XLR and JACK socket suitable for microphones and line level equipment.
- 3).Clip LED(PEAK): when the signal level is close to peak, this LED lights up. Please reduce the signal level to avoid distortion.
- 4).Signal LED: when the signal inputs, this LED lights up.
- 5).Power LED: when the unit is turned on, this LED lights up.
- 6).HF knob
It boosts or attenuates 15dB of HF more than 10KHz.
- 7).Mic volume control

8).MF knob

It boosts or attenuates 12dB of MF more than 2.5KHz.

9).LF knob

It boosts or attenuates 15dB of LF below 100Hz.

10). Volume knob(LEVEL)

11).Line out connector(LINK):

bal XLR connector to link with the next active speaker cabinet or other equipment.

12).Power switch(POWER): it turns on/off the unit.

13).AC power socket/fuse holder(FUSE)

14) mp3/WMA file player models 12AU/15AU only.

The following formats can be used:

Bluetooth, SD card, USB

For SD card and USB, connect either and use the MODE button to select.

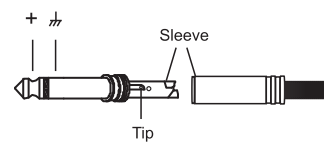
For Bluetooth use the MODE button to select. When pairing Bluetooth the FPD is identified with a headphone symbol and is called 'Bluetooth'.

The 5 buttons below the screen control play, forward, back and replay modes.

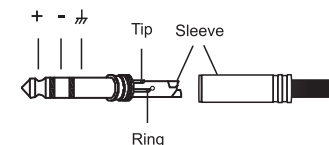
To adjust the volume of the player press and hold either of the 2 buttons to the right. A volume bargraph will appear on the screen and the volume changed using either button.

Wiring

• For 1/4" phone jack

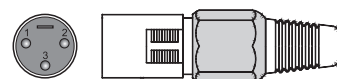


1/4" TS connector
Unbal input/output



1/4" TRS connector
bal input/output

• For XLR



XLR (male)
Pin 2=+, Pin 3=-, Pin 1=ground



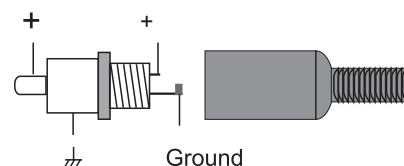
XLR (female)
Pin 2=+, Pin 3=-, Pin 1=ground

• For speaker connector



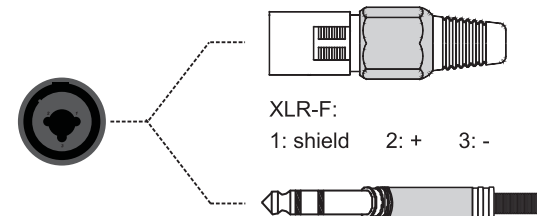
LF: 1+ 1-
HF: 2+ 2-
Speaker connection

• For RCA



Ground

• combo

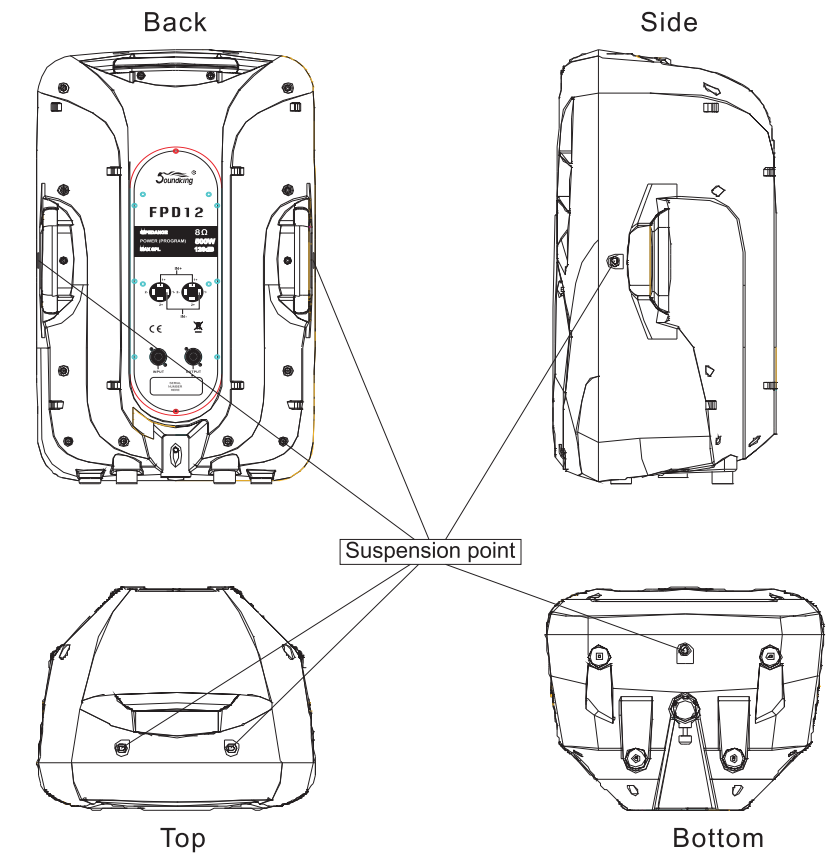


XLR-F:
1: shield 2: + 3: -
TRS
+/-/ground
combo -XLR connector

5. Installation

FPD series loudspeaker can be suspended or mounted on a $\Phi 35$ mm speaker stand or put on floor, or be used as stage monitor.

1).Suspension:



FPD12/15 loudspeakers have 5 M10 suspension points: top 2, bottom 1, side 2, M10X20 ring bolt can be used for suspension.

2).mounted on a speaker stand

Open the stand feet and insert the safety pin.

