

FI-M50





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SYMBOLS



Frog declares that this device is in compliance with applicable CE standards and regulations. Before putting the device into operation, please observe the respective country-specific regulations!



Waste Electrical and Electronic Equipment (WEEE)
Please dispose of this product at the end of its operational lifetime by bringing it to your local collection point or recycling center for such equipment.



This symbol alerts the user to the presence of recommendations about the product's use and maintenance.



Warning: DANGEROUS VOLTAGE.
Terminals marked with this symbol carry a risk of electric shock, therefore external wiring connected to these terminals requires installation by a qualified professional or the use of ready-made leads or cords.



This symbol alerts the user to the presence of recommendations about product's use and maintenance.



This device complies with Restriction of Hazardous Substances Directive.

1. INTRODUCTION

By carefully selecting parts such as a high-performance class-D amp, a highly resilient MDF cabinet, woofers and soft dome tweeters, FI-M50 deliver a punch and assertive sound that is faithful to the source despite their small size. The rear side wide port reduces air turbulence noise in the bass reflex port, providing clear and accurate bass. That's the secret to why the FI-M50 deliver outstanding resolution, sound image, and depth, with a flat response across all bandwidths without any coloring of the original sound.

The sound produced by speakers is sometimes affected by the surrounding environment. The rear panels of FI-M50 are equipped with ROOM CONTROL and HIGH TRIM functions that allow you to make adjustments to achieve the ideal sound for any environment, such as reducing the unneeded, exaggerated low-end that can often occur when speakers are placed next to walls.

2. UNPACKING

FROG-IS speakers are built to the highest standard and thoroughly inspected before leaving the factory. Upon arrival, carefully inspect the shipping carton, then examine and test your new product. If you find any damage, immediately notify the shipping company. Only the consignee may file a claim regarding the system's electronic equipment.

3.SAFETY



WARNING



Read all safety information below and operating instructions before using this device to avoid injury.

SAFETY AND HANDLING INFORMATION



Warning. Failure to follow safety instructions could result in fire, shock or other injury or damage

IT IS IMPORTANT THAT LOUDSPEAKER SYSTEMS ARE USED IN A SAFE MANNER.

Avoiding Hearing Damage. Professional loudspeakers are capable of producing extremely high sound levels and should be used carefully. Never stand close to loudspeakers driven at high volume. Set the volume to a safe level. You can adapt over time to a higher volume of sound that may sound normal but can be damaging to your hearing. Hearing loss get worse every time you're exposed to a sound level of 90 dB or over for an extended period of time. If you experience ringing in your ears or muffled speech, stop listening and have your hearing checked. The louder the volume, the less time is required before your hearing could be affected.

Choking Hazards. This device contains small parts, which may present a choking hazard to small children. Keep the device and its accessories away from small children.

Avoiding Water and Wet Locations. Do not install the system in wet or humid locations without using weather protection. Take care not to spill any food or liquid on the device. In case it gets wet, unplug all cables, turn off the device before cleaning, and allow it to dry thoroughly before turning it on again. Do not attempt to dry the device with an external heat source, such as a microwave oven or hair dryer. A device that has been damaged as a result of exposure to liquids could be not serviceable. If the device is exposed to rain or excess moisture, unplug the power cord immediately.

Keeping the Outside Clean. Handle the device with care to maintain its appearance. To clean it, unplug all cables and turn off it. Warning: unplugging the power cord is the only way to disconnect power completely. Then use a soft, dry or slightly damp cloth. Avoid getting moisture in openings. Don't use window cleaners, household cleaners, aerosol sprays, solvents, alcohol, ammonia, or abrasives to clean the device.

Carrying, Handling and Installing the device. The device contains sensitive components. Do not drop, disassemble, open, crush, bend, deform, puncture, shred, microwave, incinerate, paint, or insert foreign objects into it. If your device has been dropped or damaged, or if liquid has been spilled into the chassis, unplug the power cord immediately.

Do not operate speakers for an extended period of time with sound distortion. This is an indication of malfunction, which in turn can generate heat and result in a fire.

To reduce the risk of overheating the device, avoid exposing it to direct sunlight and take care to do not install it near heat emitting appliances, such as a room heater or stove.

No naked flame sources such as lighted candles should be placed near the device.

Operate the device in a place where the temperature is between -20°C and 50°C (-4°F to 122°F). Avoid dramatic changes in temperature or humidity when using it, as condensation may form on or within the device.

During the use, it is normal for the device to get warm. The exterior of the device functions as a cooling surface that transfers heat from inside the unit to the cooler air outside.

The device should be placed so that its location does not interfere with its proper cooling. For example, the device shouldn't be placed on beds, carpets or similar surfaces that could create an obstacle for the ventilation openings.

To reduce the risk of electric shock, unplug the power cord before connecting audio cables.

Set up your device on a stable retaining horizontal surface. If combined or mechanically connected with other products, always verify the stability of the resulted system. Install the unit only in a location that can structurally support the weight of the unit, far away from people who can interfere with the stability of the system. In case of outdoor installation, assure that the wind does not interfere with the system's stability, taking extra securities like chains, weights, ropes or any other certified anchoring systems. Doing otherwise may result in the unit falling down, causing personal injury or property damage.

Protect the power cord from being walked on or pinched.

This audio system is not intended for use in the operation of nuclear facilities, aircraft navigation or communication systems, air traffic control systems, or for any other uses where the failure of the audio system could lead to death, personal injury, or severe environmental damage.

Do not make repairs yourself. Caution, risk of electric shock. Do not open the device, it contains potentially hazardous voltage. Never attempt to disassemble, repair or modify the system yourself. Disassembling the unit may cause damage that is not covered under the warranty. The device contains no user-serviceable parts. Repairs should only be performed by factory trained service personnel. Do not plug the power cord if you suspect that your device needs service or repair.

Voltage requirement. Make sure that the supplied voltage stays within the specified range. Verify that your mains connection satisfies the power ratings of the device.

4. PHYSICAL



Weight: 5.6 Kg

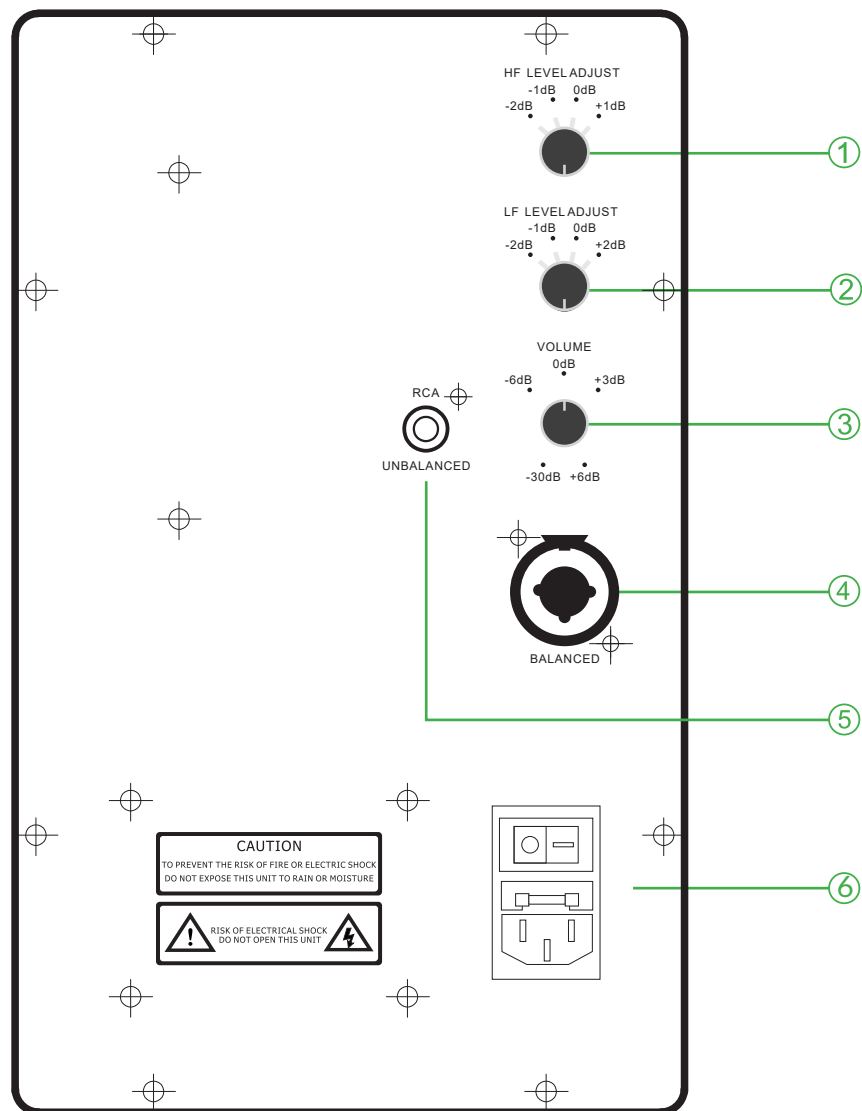
5. AMPLIFIER

5.1 AC POWER CONNECTOR

The amplifier module and any audio equipment connected to it (mixing consoles, processors, etc.) must be properly connected to the AC power distribution, preserving AC line polarity. All grounding points should be connected to a single node or common point, using the same cable gauge as the neutral and line cables. Bad grounding connections within an audio system can produce noise, hum and/or serious damage to the input/output stages in the system's electronic equipment.



Before applying AC to any Frog self-powered speaker, be sure that the voltage potential difference between neutral and earth ground is less than 5 VAC.



1) High frequency adjusting switch

Can be used to adjust the high frequency response of the speaker, Setting the switch at 0 ,produces a flat frequency response.Setting the switch at +1dB/-1dB/-2dB, frequency bands above 2KHz can be attenuated separately +1dB/-1dB/-2dB.

2) Low frequency adjusting switch

Can be used to adjust the low frequency response of the speaker, Setting the switch at 0 ,produces a flat frequency response.Setting the switch at +2dB/-1dB/-2dB, frequency bands below 100Hz can be attenuated separately +1dB/-1dB/-2dB.

3) Speaker knob

Used to adjust the output level of the speaker.

4) Audio input

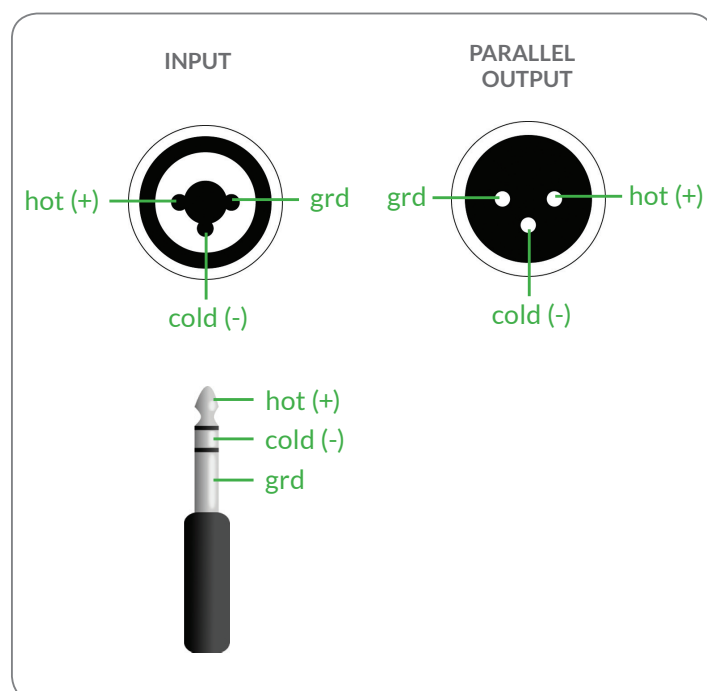
Balanced XLR and (TRS)PHONE interface are for receiving audiosignals.

5) RCA input**6) Power switch and socket**

Press the (ON) switch to turn on the audio system, and press the (OFF) switch to turn off the audio system. After turning on the power (ON), the power button indicator light will light up.

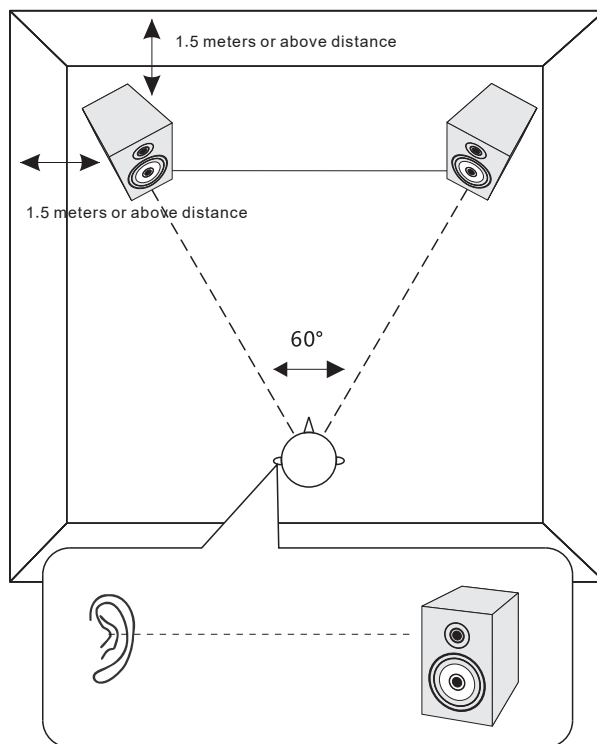
5.2 AUDIO INPUT CONNECTOR WIRING

Line/Mic Input (female XLR/TRS 1/4") is wired in parallel to Line/Mic Parallel Output (male XLR). To create your own audio cables, please use the following wiring diagrams:



6. Good Listening Settings

Considerations when laying out a listening speaker system



7. SERVICE

To obtain service:

- 1) Contact the official Frog distributor in your country. Your local distributor will direct you to the appropriate service center.
- 2) If you are calling for service, please have the serial number(s) of the unit(s) available for reference. Ask for Customer Service, and be prepared to describe the problem clearly and completely.
- 3) If the problem cannot be resolved over the phone, you may be required to send the unit in for service. In this instance, you will be provided with an RA (Return Authorization) number which should be included on all shipping documents and correspondence regarding the repair. Shipping charges are the responsibility of the purchaser.

Any attempt to modify or replace components of the device will invalidate your warranty. Service must be performed by an authorized Frog service center.



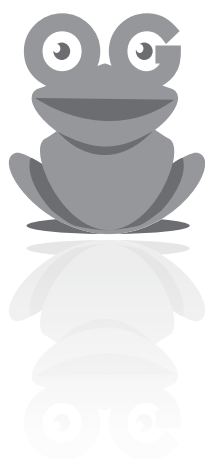
Cleaning:

Use only a soft, dry cloth to clean the product. Do not use any solvents, chemicals, or cleaning solutions containing alcohol, ammonia, or abrasives. Do not use any sprays near the product or allow liquids to spill into any openings.

10. SPECIFICATIONS

	Specifications
Frequency range	50Hz-20Khz
SPL 1W/1mt	101 dB
Maximum SPL	112 dB
Crossover Frequency	2.5 Khz
Input Connector	COMBO(XLR/TRS Phone), RCA
Dimensions	175x220x285
Weight	5.6kg
Packing Size	230x275x365mm
Packing Weight	6.5kg
	Speaker Section
Enclosure	Bass-reflex type, Material: MDF
High Frequency	1" Dome
Low Frequency	5.5" Cone
	Amplifier Section
Amplifier Power	50W
Distortion	High frequency -2/-1/0/2Khz above +-1dB Low frequency -2/-1/0/100Hz below +2dB
	Back Volume control
Indicator	Power On (Red Light)
Power Requirements	Depending on area of purchase; 100-240V





FROG-IS

WWW.FROG-IS.COM

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ITALY

