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USER MANUAL MONITOR M8

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1. INSTRUCTION

The professional Resident Audio "Monitor M8" mid-field Studio Monitor speakers allow you to listen Music through a special Fiberglass mixed custom woofer material we specially made.

It features an extremely fat low-frequency response and an unprecedented punch in the lower mid-range. Because of the excellent usage of the Fiberglass custom woofer technology we are able to break up resonances, resulting in outstanding dynamic behavior and impeccable sound characteristics. The system consists of a 1" soft silk dome tweeter and 8" Fiberglass composite woofer.

The M-Series is designed to fully replicate the natural details of the source material. Multiple input connections are integrated into the speakers and allow any system configuration.

2.1 THE FRONT SIDE

The front side of the MONITOR M8 contains the following:

• 1" soft dome tweeter

• 8" Fiberglass composite woofer

• status LED (switches from Blue to Red between 22 and 30 minutes after stopped the usage)

2.2 THE REAR SIDE

The rear side of the MONITOR M8 contains the following:

• Input section

• Power section

• Specific Control section

• Caution section

• Specific product code

2.3 REAR PANEL CHART

4. VENT PORT

5. VOLUME KNOB

3. RCA INPUT

2. TRS INPUT

1. XLR INPUT

6. POWER SWITCH

7. POWER CORD RECEPTABLE

8. BAR CODE LABEL

LOW FREQ   HIGH FREQ   XLR   TRS

2.4 DESCRIPTION REAR PANEL

1. XLR INPUT

Accepts balanced XLR input signals. The signal of the XLR input is mixed with the TRS input signal via a balanced input amplifier. The XLR input is wired like this:

INPUT SIGNAL	XLR CONNECTIONS
+	PIN 2
-	PIN 3
Shield	PIN 1

2. TRS INPUT

Accepts TRS input signals, either balanced or unbalanced. Use a 3-conductor TRS plug for balanced connections. The TRS input is wired like this:

INPUT SIGNAL	TRS CONNECTIONS
+	Tip
-	Ring
Shield	Sleeve

Unbalanced wiring works with either a 2- or 3-conductor TRS connector. With a 2-conductor TRS plug (a.k.a. TS plug) the minus signal input is automatically grounded. With a 3-conductor TRS plug wired unbalanced the minus pin can be left open or grounded. We recommend that you ground the unused input. The TRS input and the XLR input are summed together via a balanced input amplifier. So, either may be used as an input or both may be mixed together. The input specifications apply to both inputs.

3. RCA Input

Accepts RCA input signals.

4. VENT PORT

The M8 is a vented box speaker system with a vent port on the rear panel. Don't block the vent port (e. g. by placing the speaker too close to a wall) as this could change the overall sound.

5. VOLUME KNOB

Sets the proper input level from the sound source. The left and right speakers should be set up identically. Please refer to the illustration on the right to chose the input level which best suits your sound source.

Further information can be found in the manual of the signal source connected to the speaker inputs. -10 dBV or +4 dBu are the most common output levels of semi-professional and professional audio equipment. For example, if the output reference level of your sound source is -10 dBV, you should not set the volume control knob higher than -10 dBV for maximum power.

6. POWER SWITCH

Push this switch to turn the M8 on/off.

7. POWER RECEPTABLE WITH EXTERNAL FUSE

Connect the detachable 3-circuit line cord to this receptacle and to a suitable power outlet.

8. BAR CODE LABEL

This label displays the product serial number bar code.

3.1 POWER CONNECTION PROCESS

Set up your pair of MONITOR M8 speakers on a suitable suface.
Please check and be sure the power switch knob is turned off.

Please follow the following steps:

1. Attach the included power connector cable and plug into the power connector socket on the rear side of the MONITOR M8

2. Take the other side of the power connector cable and plug it into an AC outlet

3. Turn the power switch on the back of the MONITOR M8 to the "ON" Position

3.2 INPUT CONNECTION PROCESS

MONITOR M8 will accept the following cable types;
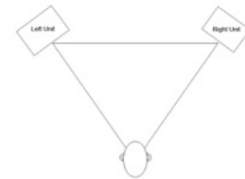Unbalanced RCA, Balanced 1/4" TRS or Balanced XLR.

Please follow the following steps:

1. Take your chosen audio connector cable and plug it into the specific audio connector socket on the rear side of the MONITOR M8 input section

2. Make sure that your sound source has the volume turned down

3. Take the other side of the chosen audio connector cable from step 1 and plug it into your sound source
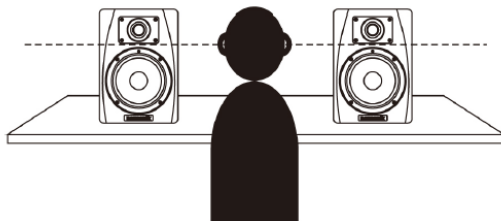
4.1 ALIGNING PROCESS

To receive the best response of the MONITOR M8 speakers it is necessary to align them correctly.
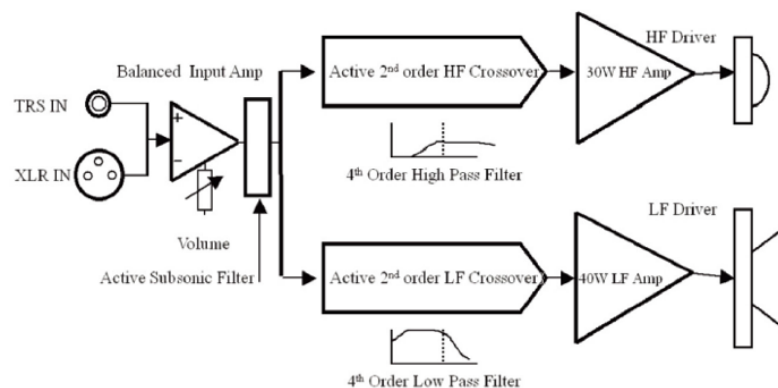Please make sure that no other objects are in front of the speakers

Please follow the following steps:

1. Align both speakers in the form of a triangle to the listener

2. Pay attention to use a reasonable ground for the speakers

3. The center of the speaker unit is recommended to be on the same height with the listener`s ears

5. TECHNICAL SPECIFICATIONS

Configuration:	2-Way
System type:	Active Studio Monitor
Low-Frequency:	8" Fiberglass composite woofer
High-Frequency:	1" soft silk dome tweeter
Frequency Response:	35Hz -35kHz
Max Peak SPL:	108 dB
Amplifier Class:	Class A-B
Power Output:	160W
High Frequency:	80W
Low Frequency:	80W
Input Impedance (Ohms):	10 K Ohm balanced
HF Level Adjust:	-2dB, -1dB, 0, +1dB
Low Frequency Cutoff:	50Hz, 65Hz, 80Hz, 100Hz (12db / octave)
Indicators:	On(blue)/Standby(red)
Input Connectors:	- Unbalanced RCA
	- Balanced 1/4" TRS
	- Balanced XLR
Enclosure Construction:	MDF
Finish:	Black vinyl wrap
Port Configuration:	Rear round port
Dimensions (D x W x H):	12.5" (317mm) x 10.1" (257mm) x 13.8" (351mm)
Weight:	8.9 Kg / 19.6 lbs

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6. HOW TO CLEAN THE PRODUCT

If you need to clean the unit, wipe it gently with a soft dry cloth. Do not use benzene, paint thinner, ethyl alcohol or other chemical agents to clean the unit as they could damage the surface or cause fading.

7. SAFETY INSTRUCTIONS

1. Read the whole instruction manual

2. Keep these instructions

3. Heed all warnings

4. Follow all instructions

5. Do not use the product near water

6. Clean the product only with a soft 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

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

11. Only use attachments/accessories specified by the manufacturer

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

13. 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.

8. Declaration of Conformity (for the European Union)

The product described in this manual is manufactured in China by Resident Audio LLC. The product is labelled with the CE mark and conforms to the protection requirements of the European Electromagnetic Compatibility Standards and Directives. The product is designed and constructed such that electromagnetic interferences generated do not exceed levels allowing radio and telecommunications equipment and other equipment to operate as intended, and, the product has an adequate level of intrinsic immunity to electromagnetic interferences to enable operation as specified and intended.

The product is marketed as M8 studio monitoring speaker.

With reference to regulations in the directives 73/23/EEC, 89/336/EEC, the equipment listed above is covered by this certificate and labelled with the CE mark and conforms to the following standards:

EN60065 Safety requirements for mains operated electronic and related apparatus for household and similar general use.

EN55103-1 & EN55103-2 Product family standard for audio, video, audio-visual and entertainment lighting control apparatus for professional use.