

EXPECT THE BEST
EXPECT THE BEST

Studiomaster

SENSE 12+/SENSE 12A+



Studiomaster

**USER
GUIDE**

INTRODUCTION:

Considering many years of related experience in professional speakers, our company has specially designed these active and passive stage monitor speakers made of wood and painting materials, which prove the best choice for various stage performance and near-field amplifying occasions. These stage monitor speakers can be mounted on a 35mm speaker stand or put on the floor, and they are perfectly applied to various fill systems.

FEATURES:

- 1.Coaxial HF and LF unit for better sensitivity, true production of tone and less distortion due to system motions;
- 2.NdFeB magnetic HF compressor driver designed with 44mm voice coil ensures bright and penetrating tone;
- 3.Ferrite LF driver ensures profound tone and lower costs;
- 4.Active version adopts dual amplifier circuit(Class D + AB) and 24bit 48kHz DSP module to adjust effect, 3-band EQ, low cut, limit, delay, volume and other function via LCD screen;
- 5.Passive version features LC crossover, PTC protection of treble, and high precision and quality electronic parts and components for real reproduction of tone;
- 6.Unique, novel and compact exterior is easy to carry;
- 7.The structure is designed with 43° monitoring angle and 35mm stand mounting hole.

UNPACKING

Remove your Studiomaster 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

SERVICE INFORMATION

If you have a problem with your Studiomaster 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 Studiomaster 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.

Studiomaster 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.

Trouble shooting:

Problem	Reason
No sound	1. check if the connection is correct, if the power supply is ok, and if each equipment works normally? 2. if all the volume controls are turned on at the same time?
Distortion	Check if the input signal level is too high, if volume control is set to mic?
Insufficient SPL	1. Check if the line in volume is set correctly? 2. if the signal input level is too low?
Abnormal sound	1. If the selected mode is correct? 2. If EQ adjustment is ok? 3. if MODE and LOCATION selection are overlapped?
Soft bass	Check if the mode and low cut function are set correctly?

Note: 1. if the problem still can not be solved, please contact our distributor.
2. The product subject to be changed without prior notice.

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.

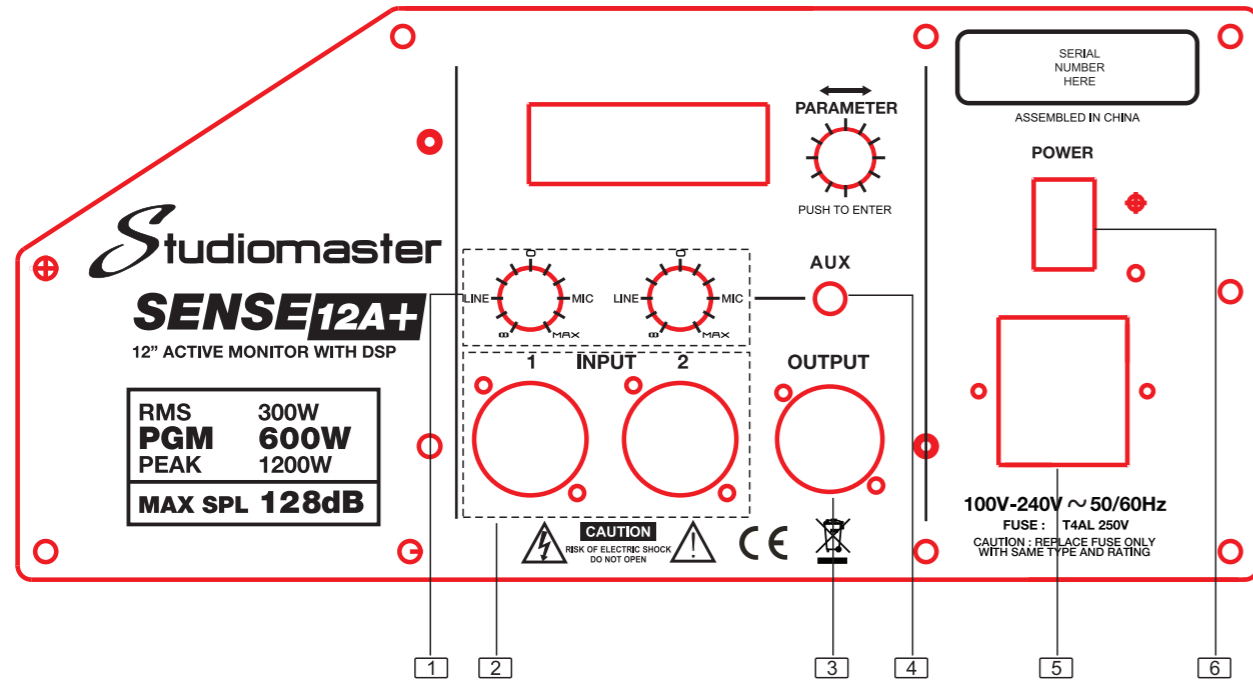
WARNING: THIS APPARATUS MUST BE EARTHED (GROUNDED)



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.

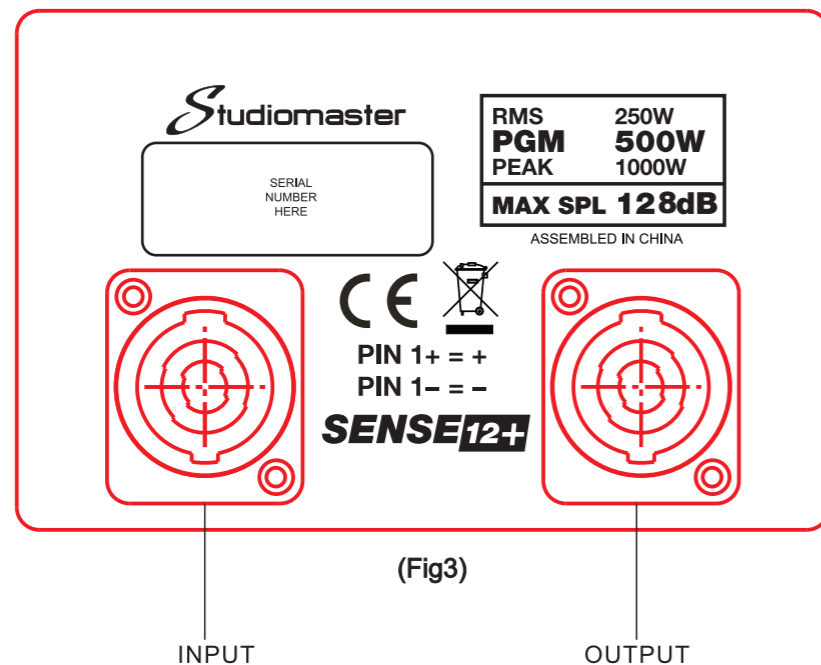
Active panel(Fig2)



(Fig2)

- 1). Volume knob(LEVEL)
Mic gain control note line input is a fixed gain and volume is adjusted by the level control(10)
- 2). INPUT
Combination XLR and JACK socket suitable for microphones and line level equipment.
- 3).Line out connector(OUTPUT):
bal XLR connector to link with the next active speaker cabinet or other equipment.
- 4).AUX IN: 3.5inch
- 5).AC power socket/fuse holder(FUSE)
- 6).Power switch(POWER): it turns on/off the unit.

Passive panel(Fig3)



(Fig3)

Specification

Model	SENSE 12+
Type	two way passive monitoring speaker cabinet
Frequency Response(-10dB)	55Hz--20kHz
Impedance (Ω)	8Ω
Sensitivity (1W@1m)	98dB
Mas SPL(dB)	128dB
Rated power (RMS)	250W(continuous), 1000W(peak)
coaxial speaker LF unit	12" LF/75mm voice coil/Nd mag/250W
HF unit	44mm compression driver/1 inch throat/Nd mag/40W
Coverage (V*H)	80° *80°
Crossover	2.2kHz
Input connector	4xSPOKEN
Dimension w x h x d	400×436×352.7
Weight	14.5kg

Model	SENSE 12A+
Format	12inch two way
Frequency Response(-10dB)	55Hz-20kHz
Input Sensitivity LINE	0dBu
MIC	-40dBu
DSP	4 tone mode, 3 band EQ, low cut, limit, delay, volume control
Max SPL	128dB
Amplifier power, rms	260W (LF)+40W (HF)
Peak system power	1200W
Crossover Frequency	2.4kHz
Woofers	12inch dia, 65mm voice coil
Compression SENSEr	44mm voice coil
Coverage: Horizontal x vertical	80° x 80°
Input connections	2 x XLR/Jack combo input, 3.5inch jack; XLR LINK output
Voltage selector	100V-240V
Dimension w x h x d	400×436×352.7
Weight	15kg

☆Test conditions: Measure using a 6dB peak factor pink noise signal in a semi free field space environment.



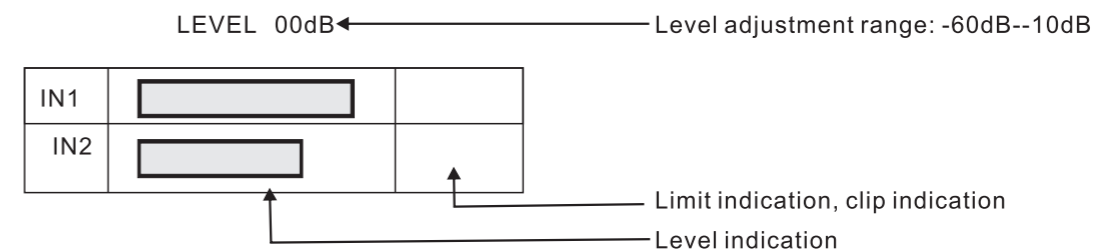
Floor Monitor

Accessories:

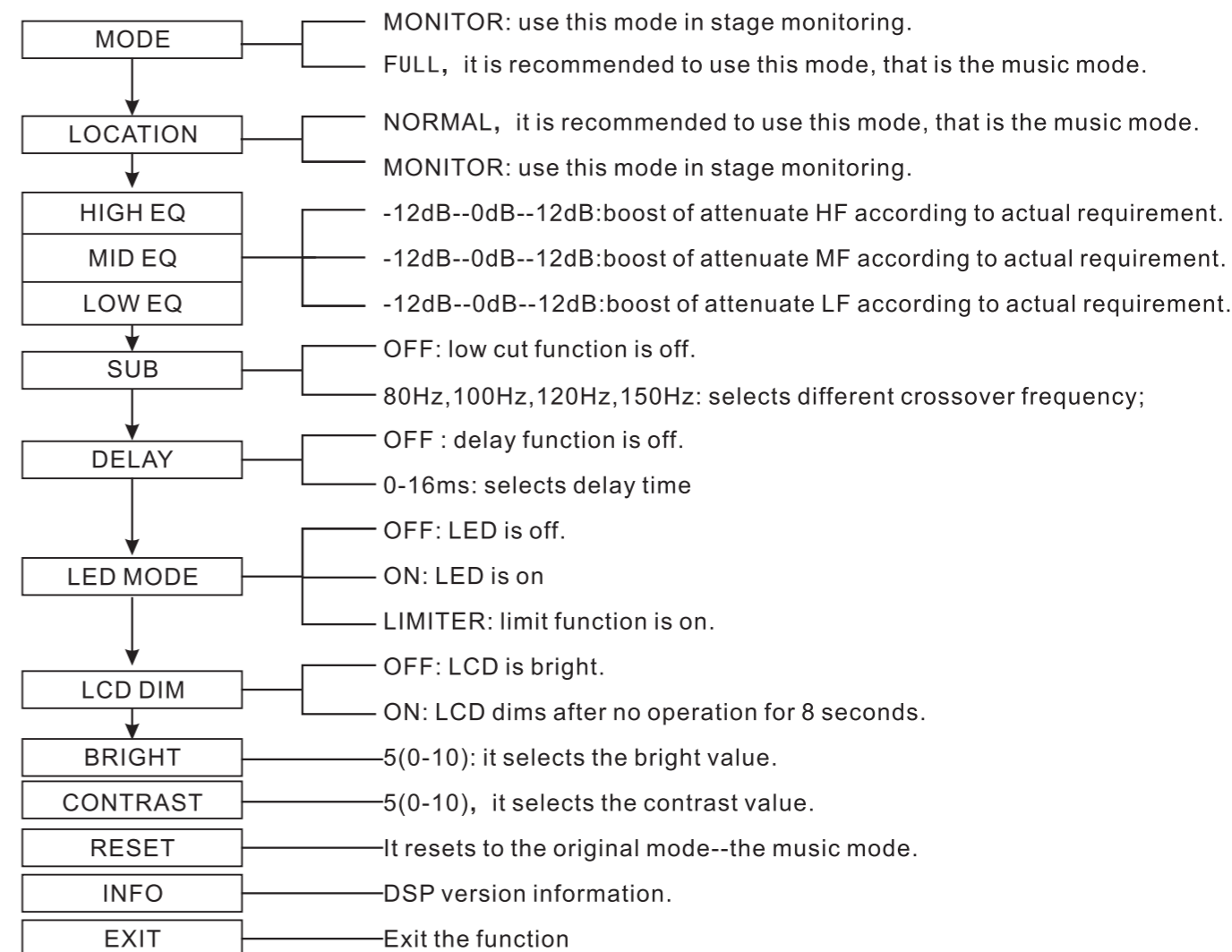
Studiomaster also produces some optional accessories to match your system. More detailed information, please see our website: www.studiomaster.com.



Model: SPS1
Height: 900~1400mm
Load Capacity: 50kg
Material: Aluminum



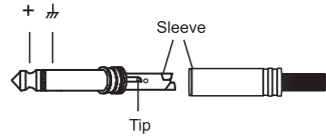
- step: 1.MASTER VOL adjusts range -60dB to 10dB level. (Refer to the figure above)
- 2.When the signal inputs from In1 or In2, LCD displays the level status; (Refer to the figure above)
- 3.press the button to enter into the next menu. Turn the button to select function.
- 4.when you want to select the function in this mode, press the button to enter, then turn the button to select. Press the button to exit. Operation as below:



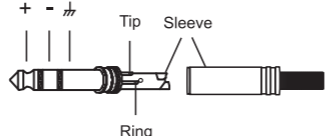
- Note: 1. When in any mode of the subpage, if there is no operation for 8 seconds, it returns back to the home page.
2. Memory function: when you turn on the system, it remains the function selection in the former operation.

Wiring

- For 1/4" phone jack

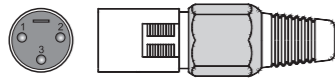


1/4" TS connector
Unbal input/output

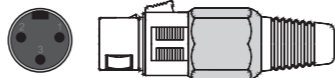


1/4" TRS connector
bal input/output

- For XLR



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



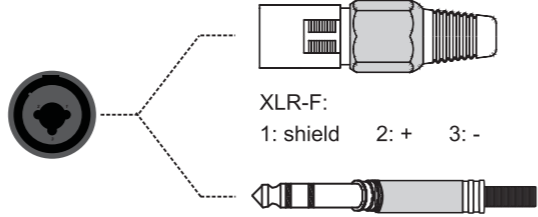
XLR (female)
Pin 2=+, Pin 3=-, Pin 1=ground

- For speaker connector



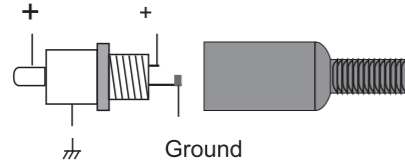
LF: 1+ 1-
HF: 2+ 2-
Speaker connection

- combo



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

- For RCA



Ground

