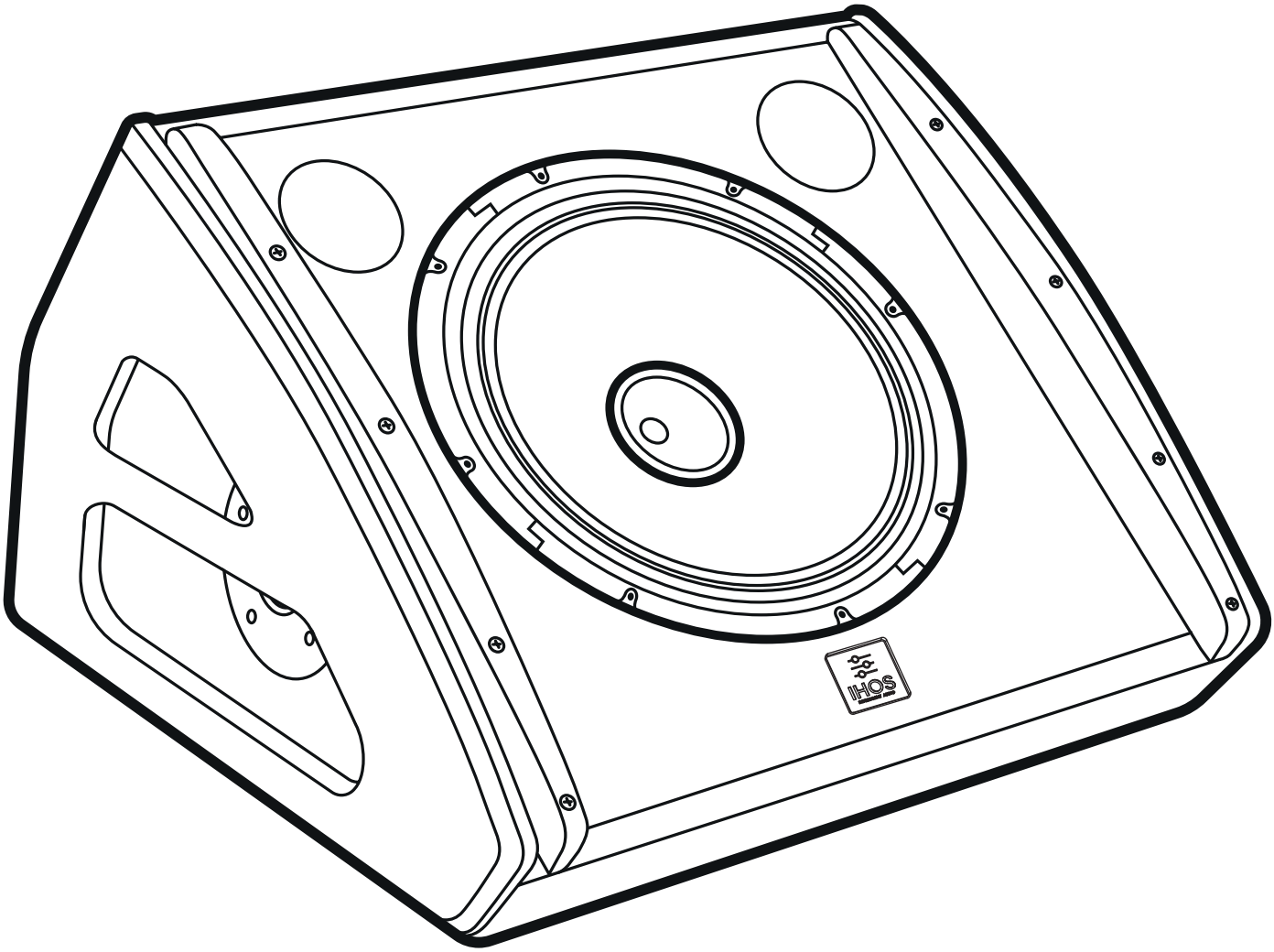
ENGLISH

IHOS
INTELLIGENT AUDIO

IOS Stage monitor 10/12/15

ACTIVE COAXIAL STAGE MONITOR



INSTRUCTION MANUAL

IMPORTANT SAFETY INSTRUCTIONS

- Follow all the instructions and keep this manual for future references
- Do not use this device near water presence.
- Use a clean and dry cloth to clean it. Do not use chemical products.
- Do not block any ventilation openings. Install in accordance with the manufacturer instructions.
- Do not install near any heat sources such as radiators, heaters, stoves or other devices (including am- plifiers) that produce heat and avoid putting it under direct sunlight.
- Keep the device away from any source that produces humming such as transformers or engines.
- The product has a polarized or grounding- type plug as a security device. A plug of this kind has two blades and a third grounding prong. The third prong is provided for your safety. If the provided plug does not fit into your outlet, consult an electrician to replace the old outlet. Do not force the plug to fit the out- let and do not try to change it.
- The outlet where the device is plugged must be near and easy to get to.
- Use only the accessories specified by the manufacturer.
- Use only with a cart, stand or table specified by the manufacturer or that has been sold with the product. If a cart is used, be careful when moving the device or the table to avoid damages.
- Do not force the switches, keys or buttons.
- Unplug this equipment during lightning storms or when it is not used for a long period of time.
- Before moving the apparatus, unplug the power supply and all the connection cables.
- Refer all servicing to qualified service personnel. Servicing is required when the device has been dam- aged in any way.
- Keep this manual in a safe place for future references.

WARNING

- To reduce the risk of fire or electric shock, do not expose this device to rain or moisture.
- Do not expose this equipment to dripping or splashing and ensure that no objects filled with liquids are placed on the equipment.

CAUTION
RISK OF ELECTRIC SHOCK
DO NOT OPEN

CAUTION: To reduce the risk of electrical shock, do not remove cover. There are no parts inside the equipment that can be re- paired. Leave the repair of it in the hands of qualified personnel.

- The lightning flash within the triangle is intended to alert the user to the presence of dangerous voltage within the equipment of sufficient magnitude to constitute a risk of electric shock.

- The exclamation point within a triangle is used to alert the user to the existence of important operating and maintenance instructions.

CAUTION

- To avoid electrical shock, do not use this polarized plug with an extension cord, receptacle, or other outlet unless the prongs of the plug fit snugly into the outlet.

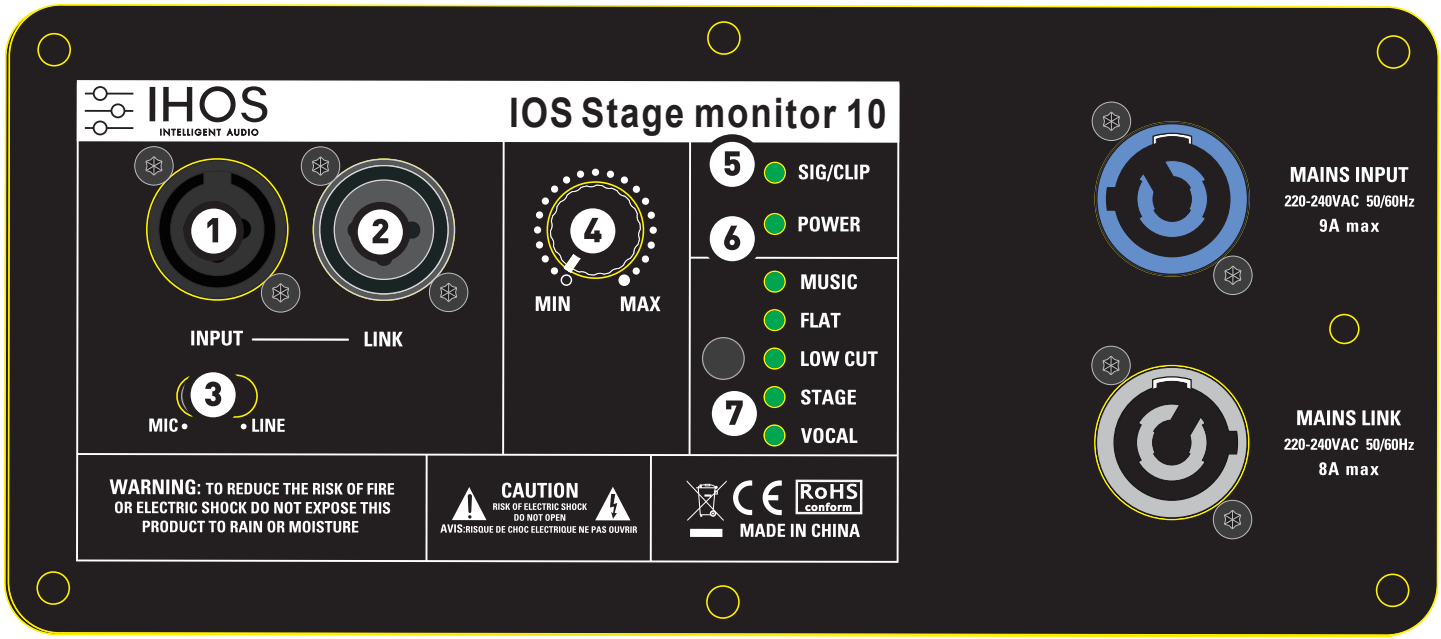
- IHOS INTELLIGENT AUDIO recommends consulting with a professional to mount / suspend / hang equipment.IHOS INTELLIGENT AUDIO is not responsible, directly or indirectly, for any damage and prejudice caused that could be attributed to a bad installation of the system

IOS Stage monitor SERIES

INTRODUCTION

The IOS Stage monitor series is a bi-amplified coaxial acoustic box of high performance and high quality. It is strong and has a powerful digital signal processor that allows you to choose, with the same box, different configurations according to the situation. It's dynamic functionality serves as a floor or stand-mounted monitor.

PANEL DETAIL



1. 6,5mm/XLR input
2. XLR line output
3. MIC/LINE input select
4. Master volume adjust
5. Signal/Clip indicator
6. Power ON led
7. Preset DSP parameter control

CAUTION: Do not touch

DSP MODES

IOS Stage monitor line incorporates a DSP (Digital Signal Processing) system wich has 5 preset modes of ecualization (tone control) to suit your intended mode of operation. Pressing the button on the DSP Parameters Control area of the panel will scroll through the avilable modes as follows:

1. Music: for general music or mixed voice/music reproduction use.
2. Flat: flat frequency response.
3. Low Cut: bass attenuation to prevent low-frequency feedback.
4. Stage: flat frequency response with a boost in mids/highs.
5. Vocal: flat frequency response with filters that prevent feedback from vocal microphones.

LINKING SPEAKERS BY WIRE

Loudspeakers can be linked together by connecting the LINK of one loudspeaker (the master) to The INPUT of the next (the slave) using an XLR female to male or XLR female to jack cable. Several speakers can be connected together in this way if required.

Note: When linking by wire, the MIC/LINE input of the slave speaker must be set to LINE mode. Also, this configuration will not enable true stereo operation.

OVERLOAD WARNING

The Loudspeaker incorporate some degree of overload protection, but over driving is still possible and can cause severe damage to the Loudspeaker. Such damage is not covered by warranty and correct use remains the responsibility of the user.

The SIG/CLIP LED on the upper right of the amplifier panel will light or may flicker Green to indicate the presence of an input signal during normal use.

However, if it light RED, this is an indication of excessive input signal or that the Loudspeaker is being over driven. In this case, the signal level from the connected device must immediately be reduced to avoid damage to the loudspeaker.

SPECIFICATIONS

Model	IOS Stage monitor 10	IOS Stage monitor 12	IOS Stage monitor 15
Inputs	Bal XLR/TRS 6.35mm	Bal XLR/TRS 6.35mm	Bal XLR/TRS 6.35mm
Outputs	Balanced XLR	Balanced XLR	Balanced XLR
Power output	300W RMS	350W RMS	350W RMS
Power input	110V/220V~60/50 Hz switchable	110V/220V~60/50 Hz switchable	110V/220V~60/50 Hz switchable
Features	BI-AMP coaxial speaker LF:CLASS-D HF:CLASS-AB	BI-AMP coaxial speaker LF:CLASS-D HF:CLASS-AB	BI-AMP coaxial speaker LF:CLASS-D HF:CLASS-AB
Signal processing	DSP	DSP	DSP
DSP Parameter	Music/Flat/Low Cut/Stage / Vocal	Music/Flat/Low Cut/Stage / Vocal	Music/Flat/Low Cut/Stage / Vocal
Frequency Range	70 Hz - 20 KHz	65 Hz – 20 KHz	55 Hz – 20 KHz
Max output SPL	121 dB	123 dB	124 dB
Sensitivity	94 dB	95 dB	96 dB
Woofer	10"; 2'' VC; 40 Oz	12"; 2.5'' VC; 43 Oz	15"; 2.5'' VC; 43 Oz
Driver	1'' Ferrite CD	1.35'' Ferrite CD	1.35'' Ferrite CD
Cabinet	PLY painted cabinet	PLY painted cabinet	PLY painted cabinet
Fuse	T3.15AL/250V	T3.15AL/250V	T3.15AL/250V
Pole mount	35mm stand pole	35mm stand pole	35mm stand pole
Dims / Weight	15x13x18.9 in / 26.5 lb	17.7x13.3x20 in / 35.3 lb	19.5x16x24 in / 45.2 lb

TROUBLE SHOOTING

No sound from the loudspeaker	A • Check that the AC power cord is securely connected to a known live outlet which is switched ON.
	B • Make that all input cables are connected and that source device is playing and its volume is not set to minimum.
	C • Make sure the relevant input control of the loudspeaker volume is not set to minimum.
Loudspeaker has hum or buzz	A • Check the input source device is playing, correctly connected and that its volume is not set to minimum.
	B • If a microphone is connected, turn down the speaker input level and try disconnecting then reconnecting the microphone.
	C • Is there a faulty cable or connector? Try gently moving each one in turn and check if the hum or buzz changes.
No sound or low volume from the Microphone	A • Make sure he Microphone or microphone system is switched on.
	B • Check that the relevant Mic / Line input of the loudspeaker is switched to Mic
	C • Try adjusting the level of the loudspeaker or external volume level of the microphone or microphone system.
Squealing, howling, or distorted sound from the Microphone	A • Try reducing the MIC/LINE level of the loudspeaker or external volume level of the microphone or microphone system.
	B • Move the microphone away from, or out of direct line of the loudspeaker.
Sound breaks up intermittently or is distorted	A • The input level may be too high causing the SIG/LIMIT LED to light RED - Try reducing the all level controls.
	B • Is there a faulty cable or connector? Try gently moving each one in turn and check if the hum or buzz changes.