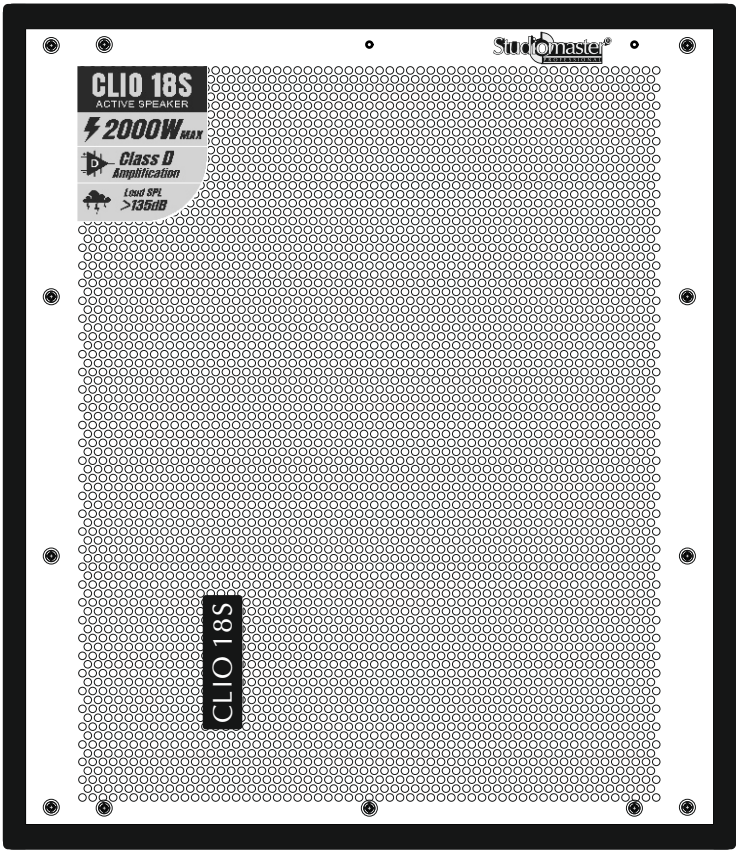


Studiomaster[®] PROFESSIONAL

CLIO 18S

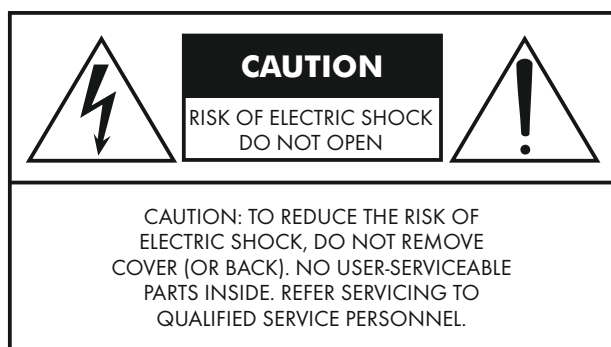
Professional Active Speaker



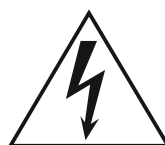
- Thank you for purchasing the Studiomaster Professional Clio 18S Active Subwoofer Speakers.
- To ensure optimum performance and safety, please follow this instruction manual carefully.
- Please retain this manual for future reference.
- For any complaint, feedback or testimonials please contact our distributor / dealer.

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Explanation of Graphical Symbols



The lightning flash with arrowhead symbol within an equilateral triangle is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.



The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the product.

IMPORTANT SAFETY INSTRUCTIONS

WARNING

TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK,
DO NOT EXPOSE THIS APPARATUS TO RAIN OR MOISTURE.

IMPORTANT NOTICE

Connecting the Plug and Cord

WARNING: THIS APPARATUS MUST BE EARTHED

IMPORTANT. The wires in this mains lead are coloured in accordance with the following code:

GREEN: EARTH

BLUE: NEUTRAL

BROWN: LIVE

As the colours of the wires in the mains lead of this apparatus may not correspond with the coloured markings identifying the terminals in your plug proceed as follows:

The wire which is coloured GREEN must be connected to the terminal in the plug which is marked by the letter E or by the safety earth symbol  or colored GREEN.

The wire which is coloured BLUE must be connected to the terminal which is marked with the letter N or coloured BLACK.

The wire which is coloured BROWN must be connected to the terminal which is marked with the letter L or coloured RED.

- 1 Read the instructions carefully.
- 2 Keep this instructions manual handy for reference.
- 3 Heed all warnings.
- 4 Follow all instructions.
- 5 Do not use this apparatus near water.

- 6 Clean only with 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 Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
- 10 Only use attachments/accessories specified by the manufacturer.
- 11 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.
- 12 Unplug this apparatus during lightning storms or when unused for long periods of time.
- 13 Refer all servicing to qualified service personnel. Servicing 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.



PRECAUTIONS FOR SAFE OPERATION

WARNING

Installation

- Connect this unit's power cord only to an AC outlet of the type stated in this Owner's Manual or as marked on the unit. Failure to do so is a fire and electrical shock hazard.
- Do not allow water to enter this unit or allow the unit to become wet. Fire or electrical shock may result.
- Do not place a container with liquid or small metal objects on top of this unit. Liquid or metal objects inside this unit are a fire and electrical shock hazard.
- Do not place heavy objects, including this unit, on top of the power cord. A damaged power cord is a fire and electrical shock hazard. In particular, be careful not to place heavy objects on a power cord covered by a carpet.

Operation

- Do not scratch, bend, twist, pull, or heat the power cord. A damaged power cord is a fire and electrical shock hazard.
- Do not modify the unit. Doing so is a fire and electrical shock hazard.

- Do not remove the unit's cover. You could receive an electrical shock. If you think internal inspection, maintenance, or repair is necessary, contact your dealer.
- If lightning begins to occur, turn off the unit as soon as possible, and unplug the power cable from the electrical outlet.
- If there is a possibility of lightning, do not touch the power cable plug if it is still connected. Doing so may be an electrical shock hazard.

In case an abnormality occurs during operation

- Should this unit be dropped or the cabinet be damaged, turn the power switch off, remove the power plug from the AC outlet, & contact your dealer. If you continue using the unit without heeding this instruction, fire or electrical shock may result.
- If you notice any abnormality, such as smoke, odor, or noise, or if a foreign object or liquid gets inside the unit, turn it off immediately. Remove the power cord from the AC outlet. Consult your dealer for repair. Using the unit in this condition is a fire and electrical shock hazard.

1. Warranty Information

Unpacking

As part of our system of quality control, every Studiomaster Professional product is carefully inspected before leaving the factory to ensure flawless Product quality. After unpacking, please inspect for any physical damage. In the event that damage has occurred, immediately notify your Studiomaster Professional dealer.

Retain the cartons for future use should the product require servicing / maintenance.

2. Introduction

The Subwoofer "CLIO" Series from Studiomaster Professional is a compact loudspeaker designed to deliver exceptional sound quality, even at extreme sound pressure levels.

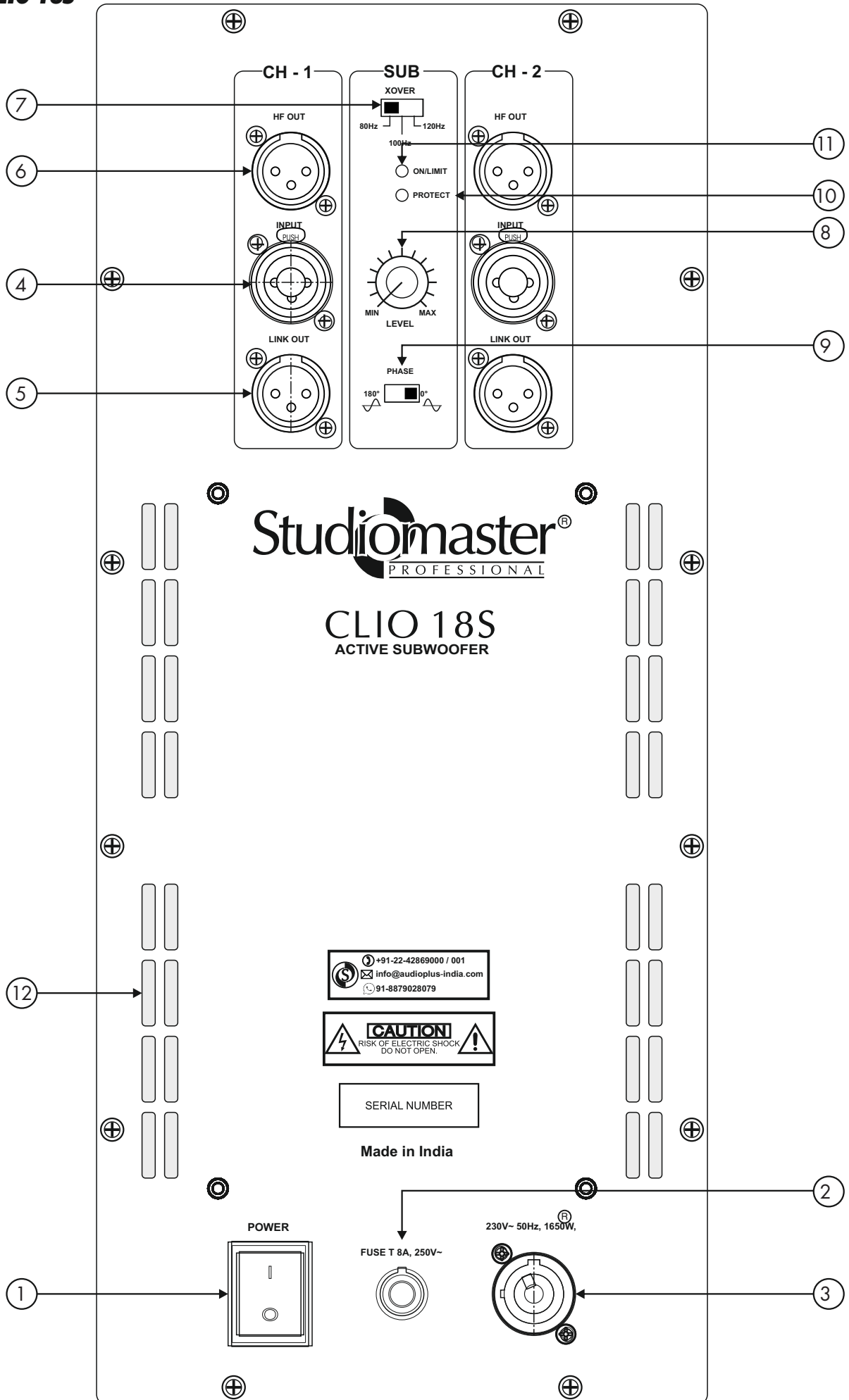
3. Features

- 2 Line Inputs.
- Balanced Input & High-Frequency Output on both Channels 1 & 2.
- Built-in Soft Clip Limiter.
- Link Output for connecting to additional speakers.
- Crossover Frequency Selection Switch.
- Sub Phase Switching between -180° and 0°.

4. Panel Description

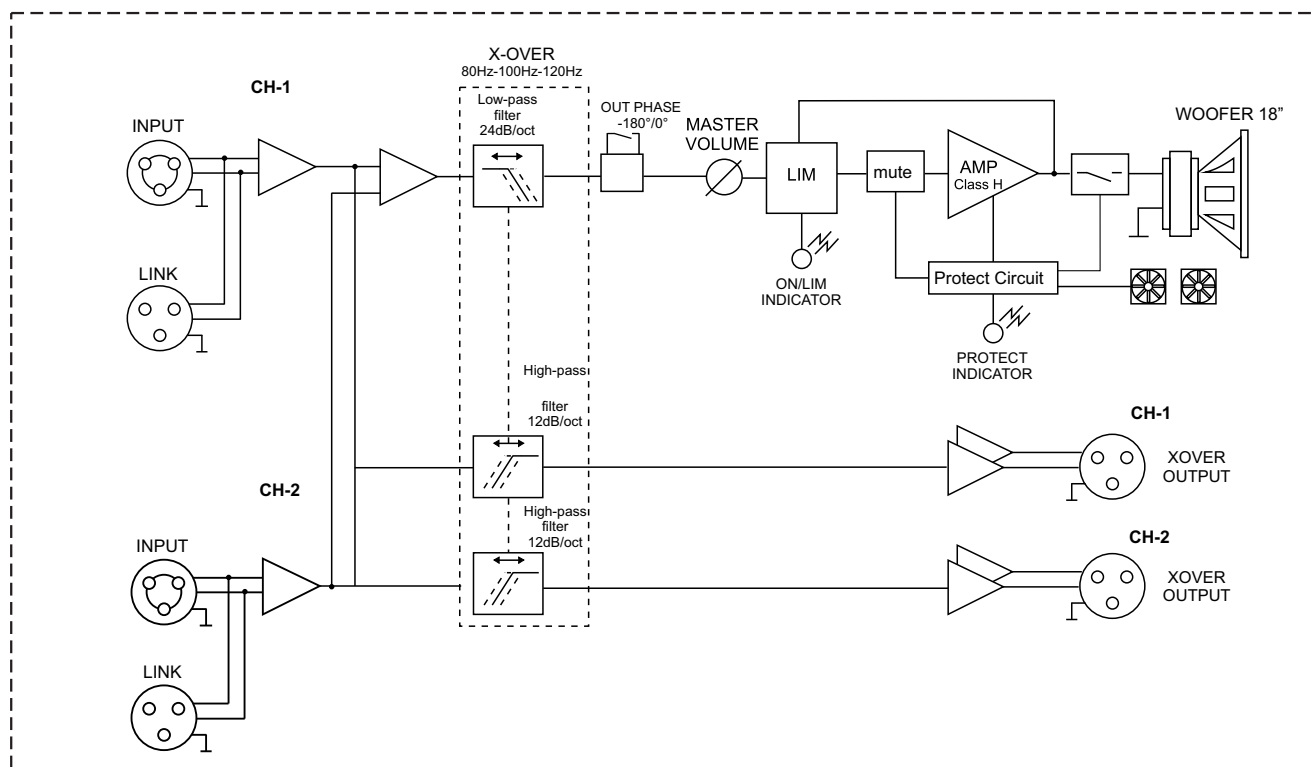
- 1) **Power Switch:** Used for switching the unit on and off.
- 2) **Fuse:** Contains The Fuse that Protect the Speaker System from Power Surge and Electrical Faults.
- 3) **AC Input Socket:** Connect the Power cord Only to a Mains Socket with a Protective Earthing Connection. Kindly Check and Match the Voltage requirement indicated on the rating plate of the Unit.
- 4) **Main Input Connectors (CH1 - CH2):** Main input connectors for connecting balanced or unbalanced audio sources. it is combi jack connector which accepts "XLR" sockets & also 1/4" jacks (6.3mm) also.
- 5) **"Link" Output Connectors (CH1 - CH2):** The "XLR" connectors connected in parallel with the inputs (4) can be used to send input audio signals to other CLIO 15S or powered speakers.
- 6) **"HF Outputs" Output Connector (CH1 - CH2):** Internal crossover balanced outputs. These signals must be sent to other type amplified speakers. The crossover frequency can be selected by means of the XOVER switch (7).
- 7) **"Xover" Crossover Frequency Switch:** This 3-position switch permits selecting the crossover frequency [80Hz, 100Hz, 120Hz] between the subwoofer and the speakers connected to the HF outputs.
- 8) **"Sub Level" Volume Control:** This control regulates only the volume of the subwoofer.
- 9) **"Sub Phase" Switch:** This switch is used to change signal phase by 180°.
- 10) **"Protect" Indicator Light:** The red LED indicator lights up when the amplifier enters protection mode. The amplifier is equipped with thermal, output DC voltage, and short circuit protection features.
- 11) **"Limiter-Protection" Indicator Light:** The "Limiter-Protection" indicator light illuminates red during startup for a few seconds when the internal audio limiter is activated. This feature helps prevent distortion in the amplifier and protects the loudspeakers from overload.
- 12) **Cooling Grille:** These grilles allow for proper cooling of the amplifier during operation. Please do not block access to them. To ensure correct air circulation, there is an air filter inside the grille that can be removed and cleaned.

Panel CLIO 18S



Block Diagram

CLIO 18S

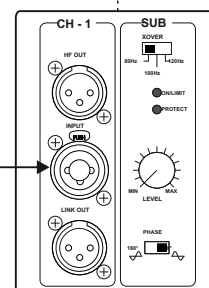
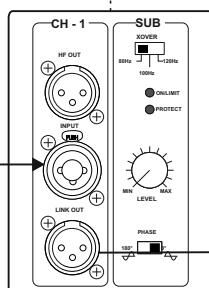
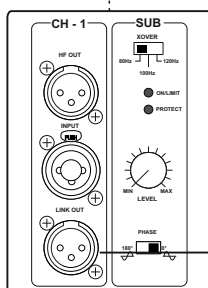
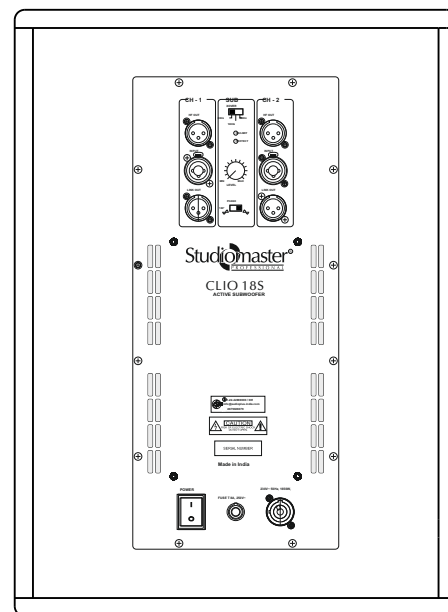
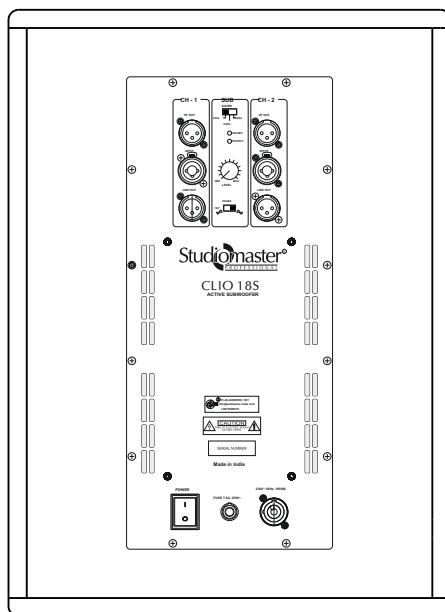
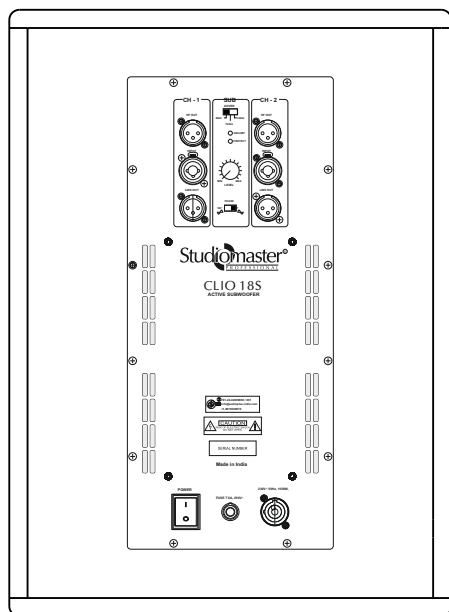


6. Linking Multiple SUB Series

CLIO 18S

CLIO 18S

CLIO 18S

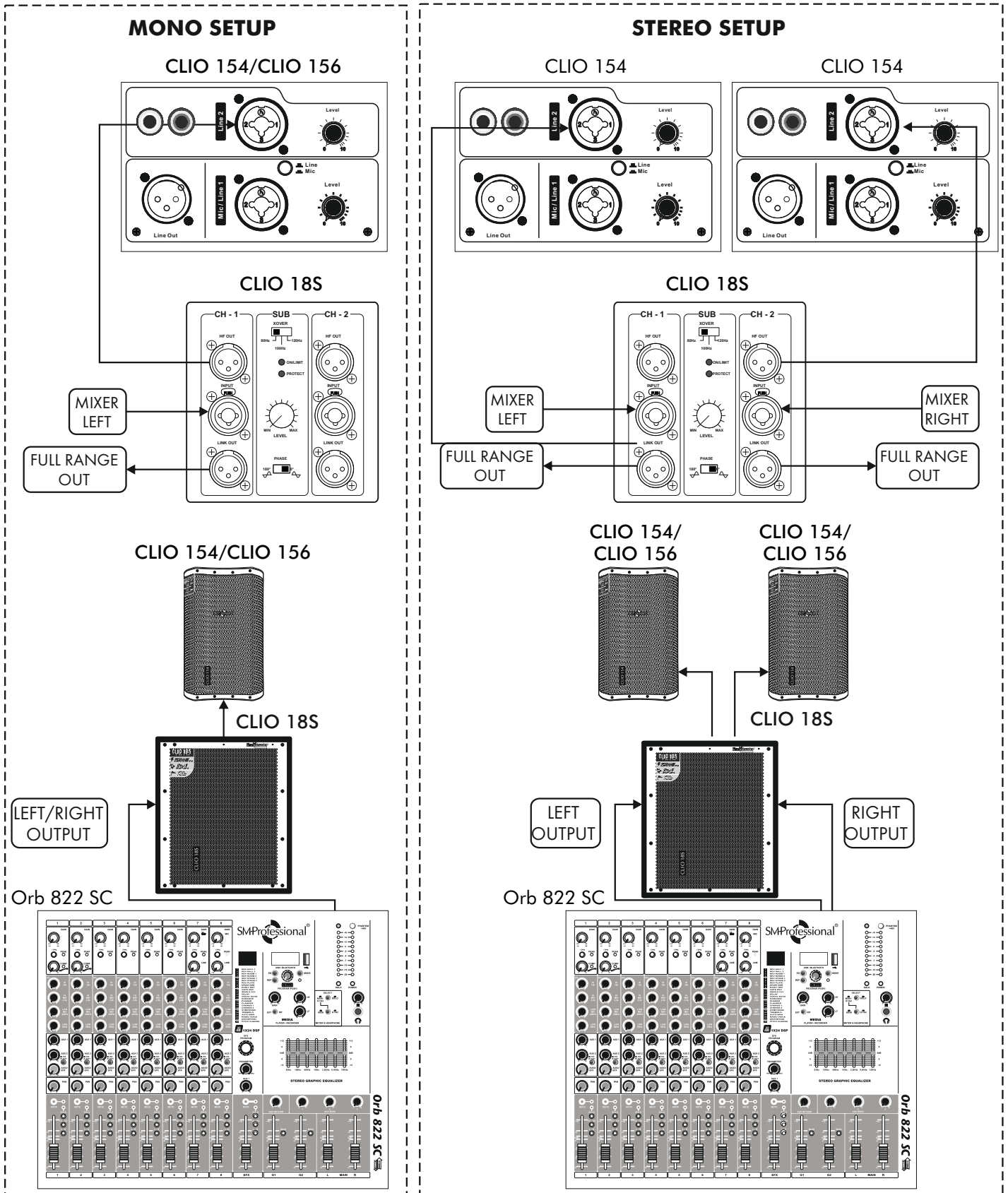


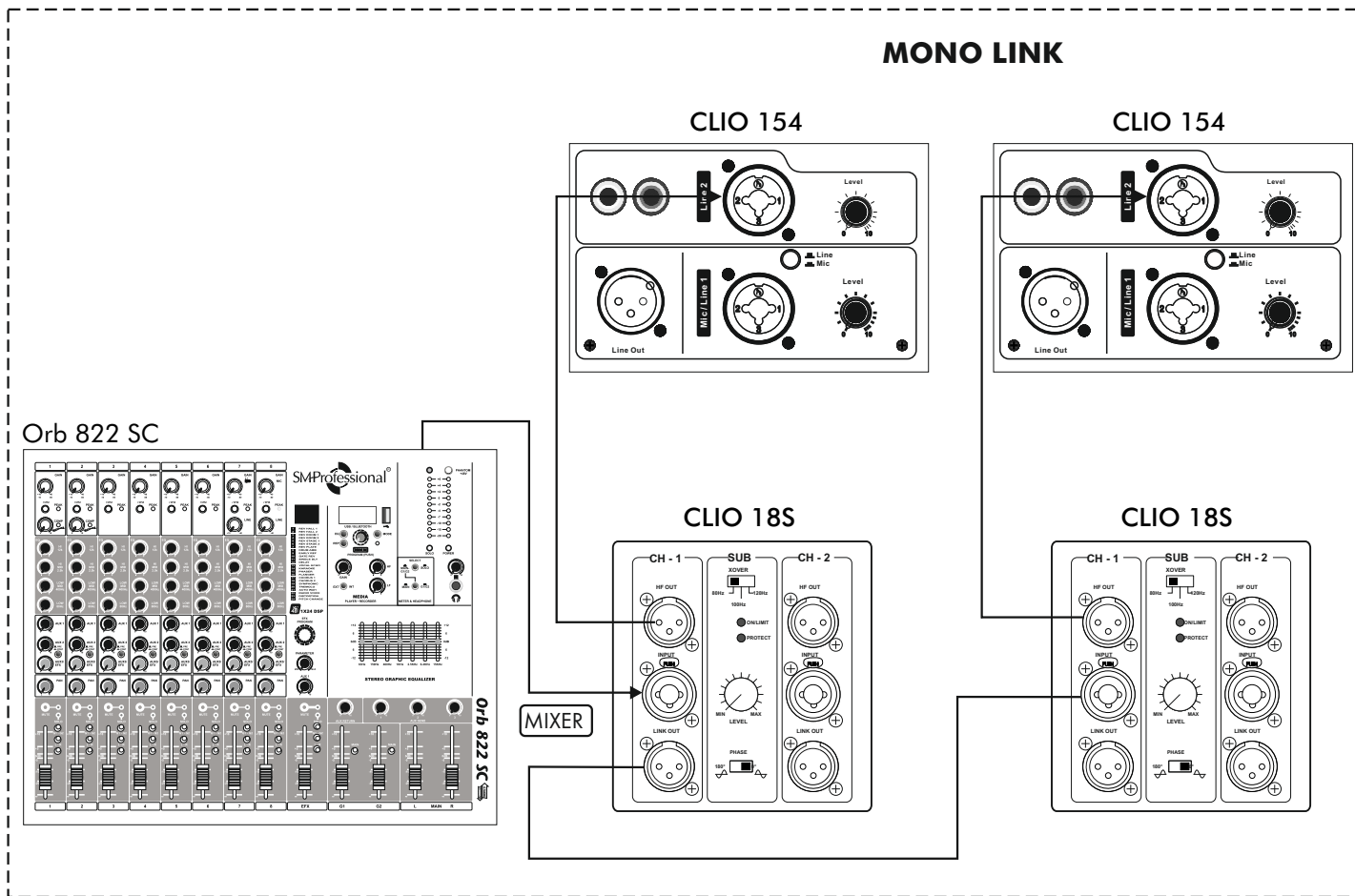
MASTER SLAVE SLAVE

CLIO 18 S can be connected in daisy chain as shown above.

- Connect the link output of first CLIO 18S amplifier to the input of other CLIO 18S amplifier & again the Line-out can be connected to the input of further amplifiers.
- Keep the volume control of cascaded amplifiers at maximum position.
- You can connect same models (CLIO 12S/ CLIO 15S/CLIO 18S) in a daisy chain or in combination as per availability & requirement.

7. Cable Connections





9. Connector Details

FIG. 1

BALANCED INPUT CONNECTIONS

**STEREO JACK
6.3mm 1/4"**

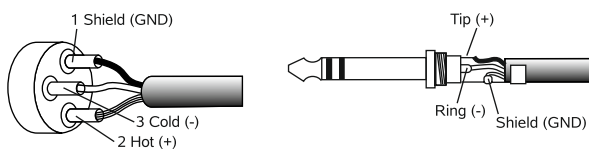


FIG. 2

UNBALANCED INPUT CONNECTIONS

**MONO JACK
6.3mm 1/4"**

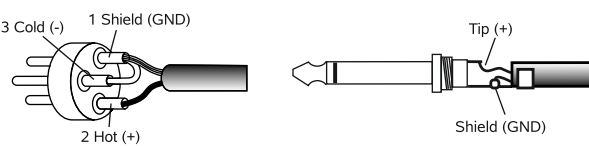


FIG. 3 PARALLEL / STEREO OUTPUT CONNECTIONS

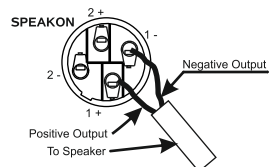
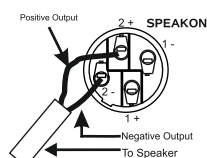


FIG. 4 BRIDGE OUTPUT CONNECTIONS (CH 1 OUTPUT CONNECTOR)



10. Technical Specifications

Models	CLIO 18S
System	
Amplifier Type	Class D
RMS Power	1000W LF
Peak Power	2000W LF
Frequency Response	40Hz - 200Hz
Crossover	Ft 80Hz - 100Hz - 120Hz W 24dB/oct
Max SPL	134 dB
Transducer	1 woofer 18"
Input sensitivity	-1dBu/±1dB (380mV±50mV)
Impedance Input Balanced Unbalanced	>20KΩ >10KΩ
Power Supply	240V/50Hz
Fuse	T 8A/250V
Dimension (WxDxH)	523 x 700 x 694
Net Weight	49.0 Kg

* Design and specification are subject to change without notice

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Tel.: +91-22-42869000 / 001 / Fax: +91-22-26871453 Whats App.: +91-8879028079
E info@audioplus-india.com W www.studiomasterprofessional.com / www.audioplus-india.com