

Important safety instructions



Caution !

To reduce the risk of electric shock, do not remove the top cover (or the rear section). No user serviceable parts inside. Refer servicing to qualified personnel

Caution !

To reduce the risk of fire or electric shock, do not expose this appliance to rain and moisture. The apparatus shall not be exposed to dripping or splashing liquids and no objects filled with liquids, such as vases, shall be placed on the apparatus.



This symbol, wherever it appears, alerts you to important operating and maintenance instructions in the accompanying literature. Please read the manual.

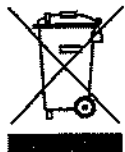


This symbol, wherever it appears, alerts you to the presence of uninsulated dangerous voltage inside the enclosure - voltage that may be sufficient to constitute a risk of shock.

Caution !

- [1]. Keep these instructions.
- [2]. Heed all warnings.
- [3]. Follow all instructions.
- [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]. Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding-type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
- [10]. Place the power cord so that it is protected from being walked on and sharp edges. Be sure that the power cord is protected particularly at plugs, convenience receptacles and the point where it exits from the apparatus
- [11]. The apparatus shall be connected to a MAINS socket outlet with a protective earthing connection.

- [12]. Where the MAINS plug or an appliance coupler is used as the disconnect device, the disconnect device shall remain readily operable.



- [13]. Only use attachments/accessories specified by the manufacturer.
- [14]. 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.
- [15]. Unplug this apparatus during lightning storms or when unused for long periods of time.
- [16]. 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.

Before you get started

Shipment

Your mixing console was carefully packed in the factory to guarantee safe transport. Nevertheless, we recommend that you carefully examine the packaging and its contents for any signs of physical damage, which may have occurred during transit.

- ☞ If the unit is damaged, please do NOT return it to us, but notify your dealer and the shipping company immediately, otherwise claims for damage or replacement may not be granted.

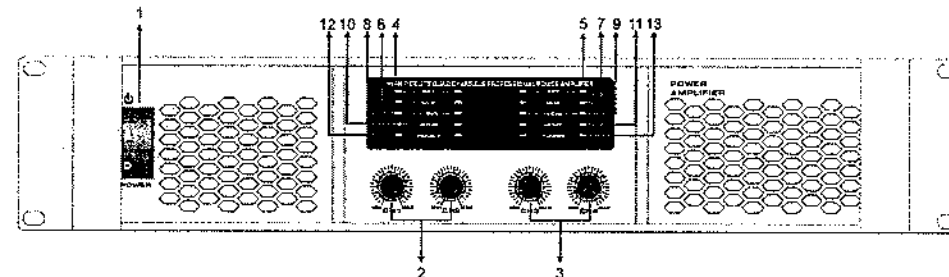
Initial operation

Be sure that there is enough space around the unit for cooling purposes and to avoid over-heating please do not place your mixing console on high-temperature devices such as radiators or power amps. The console is connected to the mains via the supplied cable. The console meets the required safety standards. Blown fuses must only be replaced by fuses of the same type and rating.

- ☞ Please note that all units must be properly grounded. For your own safety, you should never remove any ground connectors from electrical devices or power cables, or render them inoperative.

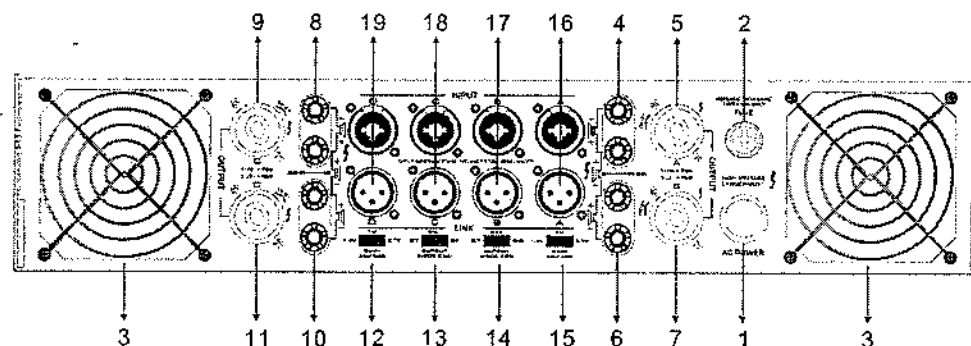
- ☞ Please ensure that only qualified people install and operate the mixing console. During installation and operation, the user must have sufficient electrical contact to earth; otherwise electrostatic discharges might affect the operation of the unit.

Front panel



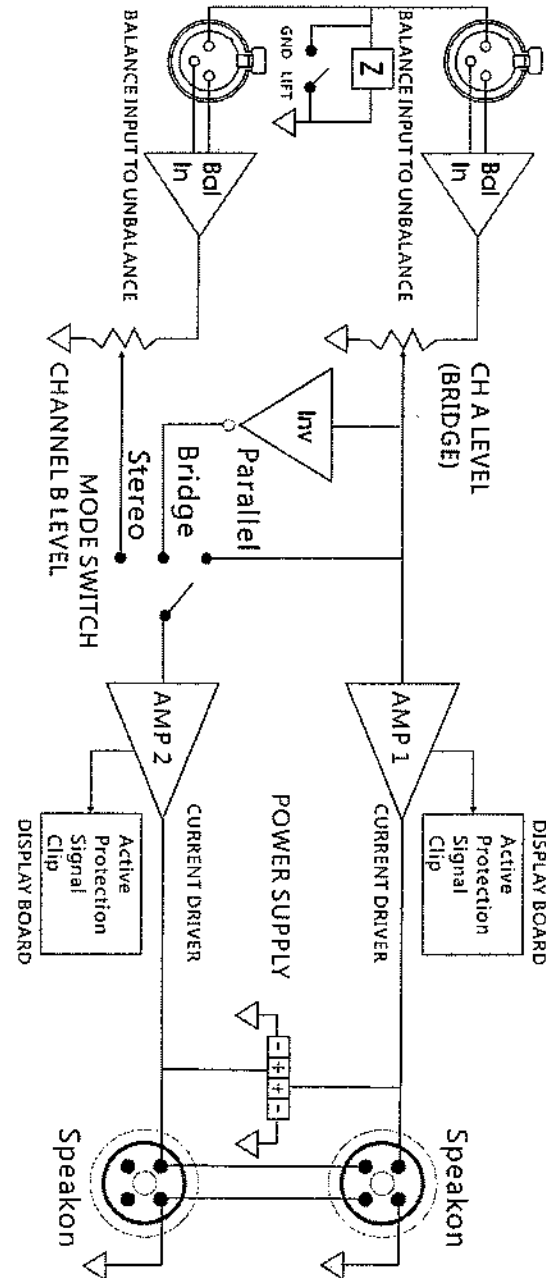
1. POWER SWITCH (PUSH ON/OFF)
2. LEVEL ATTENUATOR 1/2
3. LEVEL ATTENUATOR 3/4
4. PROTECTION 1/2 (RED)
5. PROTECTION 3/4 (RED)
6. CLIP 1/2 (ORANGE)
7. CLIP 3/4 (ORANGE)
8. LEVEL GAIN 1/2-100DB
9. LEVEL GAIN 3/4-100DB
10. LEVEL GAIN 1/2-20DB
11. LEVEL GAIN 3/4-20DB
12. POWER LED 1/2
13. POWER LED 3/4

REAR PANEL



1. AC POWER FUSE
2. AC POWER
3. FAN HEAT DISSIPATION OUTLET
4. 2-WAY BINDING POST *2 CH1
5. NL4MP CONNECTORS CH1 OUTPUT
6. 2-WAY BINDING POST *2 CH2
7. NL4MP CONNECTORS CH2 OUTPUT
8. 2-WAY BINDING POST *2 CH3
9. NL4MP CONNECTORS CH3 OUTPUT
10. 2-WAY BINDING POST *2 CH4
11. NL4MP CONNECTORS CH4 OUTPUT
12. MODE SWITCH (LEVEL SELECT 0.775V/1V/1.4V) CH3/CH4
13. MODE SWITCH (STEREO/PARALLEL/BRIDGING) CH3/CH4
14. MODE SWITCH (STEREO/PARALLEL/BRIDGING) CH1/CH2
15. MODE SWITCH (LEVEL SELECT 0.775V/1V/1.4V) CH1/CH2
16. INPUT CONNECTOR AND PARALLEL/OUTPUT CONNECTOR CH1
17. INPUT CONNECTOR AND PARALLEL/OUTPUT CONNECTOR CH2
18. INPUT CONNECTOR AND PARALLEL/OUTPUT CONNECTOR CH3
19. INPUT CONNECTOR AND PARALLEL/OUTPUT CONNECTOR CH4

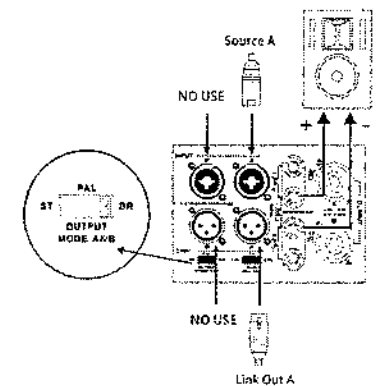
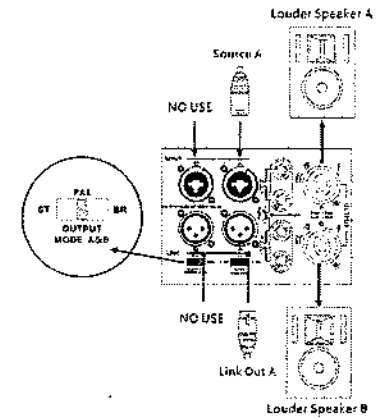
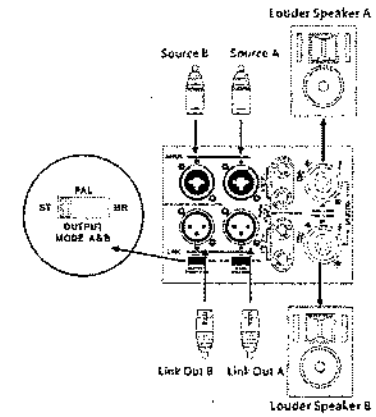
Schematic diagram



• MODE SWITCH:STEREO

• MODE SWITCH:PARALLEL

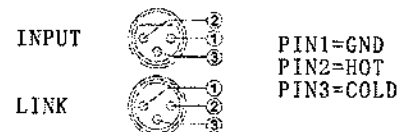
• MODE SWITCH:BRIDGE



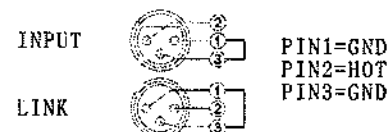
Power Amplifiers connect

1. XLR CIRCUIT

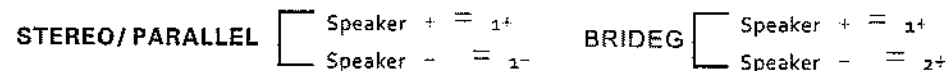
Balanced Circuit



Unbalanced Circuit



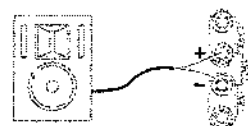
2. NL4FC SPEAKER CONNECTORS



3. 2-WAY BINDING POST CONNECTORS



STEREO/ PARALLEL



BRIDGE

SPECIFICATIONS

MODE	SPECIFICATIONS		
Power Output Level 8Ω 4Ω	400W	600W	800W
	600W	900W	1200W
Bridge 8Ω	1200W	1800W	2400W
S/N Ratio	≥105dB	≥105dB	≥105dB
Slew Rate	95V/μS	95V/μS	95V/μS
Damping Factor (8 ohms)	≥320	≥280	≥240
Frequency Response	20Hz-20KHz, ±0.3dB		
Total Harmonic Distortion (THD+N)	≤0.05%, 1KHz, 1/3 Rate Power, 8Ω/4Ω		
Intermodulation Distortion	≤0.05%, 1KHz, 1/3 Rate Power, 8Ω/4Ω		
Channel separation	≥80dB	≥80dB	≥80dB
Input Sensitivity	0dB=0.775V		
Input Impedance	20KΩ, BALANCE/10KΩ, UNBALANCE		
Output Circuitry	Class H		
Weight			
Dimension (W+H+D)			

* 0DB=0.775V RMS, HALF POWER=1/2% OUTPUT LEVEL