



OZ NANUA

801MCOMMERCIAL SERIES | Pre Amplifier

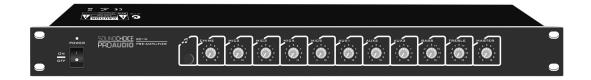


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1. SAFETY INSTRUCTIONS



- Be sure to read through all the instructions in this Manual before using the product.
- Please ensure that you observe the instructions in this Manual, especially those highlighted by Safety Symbols and Safety Messages.
- Please retain this Manual in a safe place for future reference.

Safety Symbol and Safety Message Conventions

The Safety Symbols and Safety Messages described below have been included in this Manual to prevent possible bodily injury and property damage which could result from mishandling. Please read through this Manual and become familiar with all Safety Symbols and Safety Messages, before operating this product.



Indicates a potentially hazardous situation which, if mishandled, could result in death or serious personal injury.

Indicates a potentially hazardous situation which, if mishandled, could result in moderate or minor personal injury, and/or property damage.

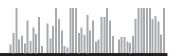


When Installing the Unit

- Do not expose the unit to rain or an environment where it may be splashed by water or other liquids, as doing so may result in fire or electric shock.
- Use the unit only with the voltage specified on the unit. Using a voltage higher than that which is specified may result in fire or electric shock.
- Do not cut, kink, or otherwise damage, nor modify the power supply cord. In addition, avoid using the power cord in close proximity to heaters, and never place heavy objects -- including the unit itself -- on the power cord, as doing so may result in fire or electric shock.
- Be sure to replace the unit's terminal cover after connection completion. Because high voltage is applied to the speaker terminals, never touch these terminals to avoid electric shock.
- Be sure to ground to the safety ground (earth) terminal to avoid electric shock. Never ground to a gas pipe as a catastrophic disaster may result.
- Avoid installing or mounting the unit in unstable locations, such as on a rickety table or a slanted surface. Doing so may result in the unit falling down, causing personal injury and/or property damage.

When the Unit is in Use

- Should any of the following irregularities be found during use, immediately switch off the power, disconnect the power supply plug from the AC outlet and contact your nearest Sound Choice dealer. Make no further attempt to operate the unit in this condition as this may cause fire or electric shock.
 - If you detect smoke or a strange smell coming from the unit.
 - If water or any metallic object gets into the unit
 - If the unit falls, or the unit case breaks
 - If the power supply cord is damaged (exposure of the core, disconnection, etc.)
 - If it is malfunctioning (no tone sounds.)
- To prevent a fire or electric shock, never open nor remove the unit case as there are high voltage components inside the unit. Refer all servicing to your nearest Sound Choice dealer.
- Do not place cups, bowls, or other containers of liquid or metallic objects on top of the unit. If they accidentally spill into the unit, this may cause a fire or electric shock.
- Do not insert nor drop metallic objects or flammable materials in the ventilation slots of the unit's cover, as this may result in fire or electric shock.



! CAUTION

When Installing the Unit

- Never plug in nor remove the power supply plug with wet hands, as doing so may cause electric shock.
- When unplugging the power supply cord, be sure to grasp the power supply plug; never pull on the cord itself. Operating the unit with a damaged power supply cord may cause a fire or electric shock.
- When moving the unit, be sure to remove its power supply cord from the wall outlet. Moving the unit with the power cord connected to the outlet may cause damage to the power cord, resulting in fire or electric shock. When removing the power cord, be sure to hold its plug to pull.
- Do not block the ventilation slots in the unit's cover. Doing so may cause heat to build up inside the unit and result in fire.
- Avoid installing the unit in humid or dusty locations, in locations exposed to the direct sunlight, near the heaters, or in locations generating sooty smoke or steam as doing otherwise may result in fire or electric shock.

When the Unit is in Use

- Do not place heavy objects on the unit as this may cause it to fall or break which may result in personal injury and/or property damage. In addition, the object itself may fall off and cause injury and/or damage.
- Make sure that the volume control is set to minimum position before power is switched on. Loud noise produced at high volume when power is switched on can impair hearing.
- Do not operate the unit for an extended period of time with the sound distorting. This is an indication of a malfunction, which in turn can cause heat to generate and result in a fire.
- Contact your Sound Choice dealer as to the cleaning. If dust is allowed to accumulate in the unit over a long period of time, a fire or damage to the unit may result.
- If dust accumulates on the power supply plug or in the wall AC outlet, a fire may result. Clean it periodically. In addition, insert the plug in the wall outlet securely.
- Switch off the power, and unplug the power supply plug from the AC outlet for safety purposes when cleaning or leaving the unit unused for 10 days or more. Doing otherwise may cause a fire or electric shock.

An all-pole mains switch with a contact separation of at least 3 mm in each pole shall be incorporated in the electrical installation of the building.

Due to product upgrades, some of the features and specifications in the user manual may not match the actual functions. We are sorry for any inconvenience this may cause, and thank you for your kind understanding.

3. GENERAL DESCRIPTION



This Sound Choice Pro Audio product fits into the Commercial Series range. The 801M is a dedicated Pre-Amplifier device often referred to as a mixer.

The 801M comes in a very convenient 1U rack size making it ideal for small to medium Public Address and Sound Systems.

The 801M is a very functional device catering for a number of different simultaneous inputs:1 remote paging microphone; up to 4 x balanced microphone inputs with individual phantom power and input gain control, or 3 x unbalanced microphone inputs (or a combination of both); 3 x auxiliary devices; and 1 x EMC emergency tone generator (with priority control).

There is a single balanced line output (for connecting to a power amplifier) as well as a pair of unbalanced RCA outputs (to connect to a recording device).

Each input has a volume attenuation knob on the front panel (with the exception of the EMC input). Bass and Treble can be varied according to the need by 2 knobs on the front panel. A Master volume control is also provided.

The 801M comes with a built in Chime that can be used as a pre announcement indicator.

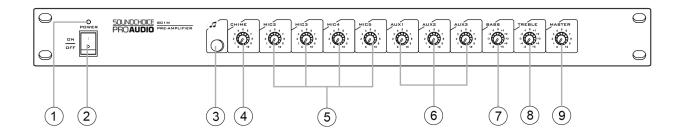
4. FEATURES



- 1. Standard chassis design, 1U aluminium alloy; light equipment, simple operation, artistic and practical
- 2. MIC 2-3-4-5 input, Aux 1-2-3 input, EMC input, REC input
- 3. MIC I is the first priority input, CHIME and EXT MIC is the second priority, EMC is the third priority input, auto input is the most priority than all the other input.
- 4. Each line input has a separate volume and Master volume control
- 5. MIC 2-3-4-5 input has +48 phantom power switch
- 6. With chime generator, offering prompt tone for paging
- 7. It can be worked with T-319.
- 8. 24V spare power input

5. FUNCTIONS (Front Panel)



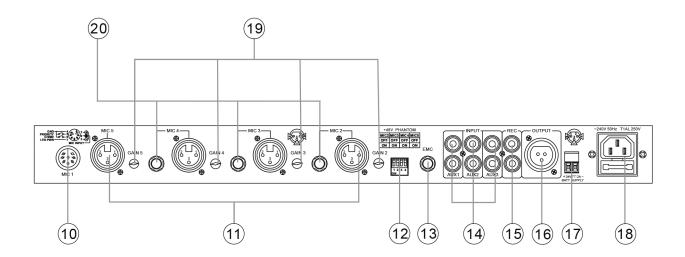


- 1. Electricity Indicator (red)
- 2. Power Switch
- 3. Chime Control Button
- 4. Chime Volume Control
- 5. Mic(2-5) Volume Control

- 6. Aux (1-3) Volume Control
- 7. Bass Volume Control
- 8. Treble Volume Control
- 9. Master Volume Control

FUNCTIONS (Rear Panel)



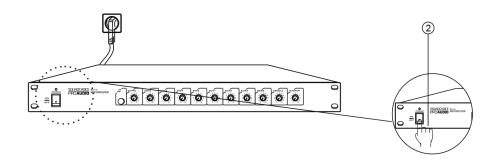


- 10. Mic1 insert connects with T-319
- 11. Mic(2-5) balance (XLR) mic input
- 12. Mic(2-5) phantom +48V power option switch
- 13. EMC input
- 14. AUX (1-3) input
- 15. REC output

- 16. Output(XLR) (connect to power amplifier)
- 17. DC 24V spare power input
- 18. \sim 240V/50Hz power input
- 19. Mic channel Gain control
- 20. Mic(2-4) unbalance(TRS) mic input



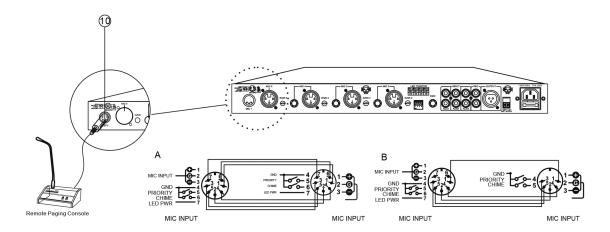
- 6.1 Power LED
- 6.2 Power Switch



When the Power Switch is located in the 'ON' position the unit will power up, and the Power Indicator light will glow red. When the Power Switch is located in the 'OFF' position the unit will power down, and the Power Indicator light will go out. The Power Switch does not control the +24V Switch.

NOTE: In order for the unit to function correctly, the unit must be connected to the correct power source. If the machine fails to work when connected correctly, disconnect it from the source and contact your supplier.

6.3 Mic 1 EXT microphone input



Mic 1 input requires a 7pin or 5pin interface connection.

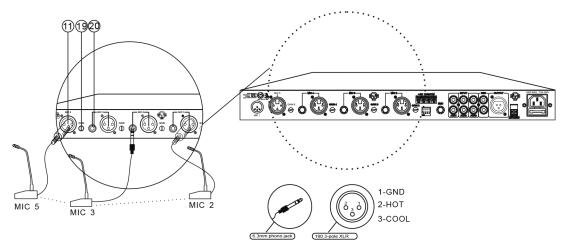
Mic 1 input has priority over other inputs.

Mic 1 can be extended up to a maximum length of 30 meters.

NOTE: Only an approved Remote Paging Console microphone can be connected to Mic 1 input.



6.4 Mic (2-5) Balanced Microphone / Mic (2-4) Unbalanced Input and GAIN



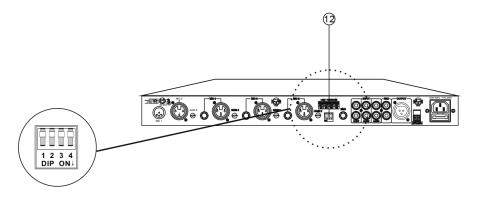
A balanced microphone can be connected to the device in Mic 2-5 XLR inputs.

Each XLR input has an input gain trim which can be adjusted using a flat head screwdriver (+10dB to +44dB). A unbalance microphone can be connected to the device in Mic 2-4 TRS inputs.

Bass, Treble and Master volume can be controlled from the front panel.

NOTE: Before connecting a microphone to the device please ensure the volume is turned to minimum. Please ensure that the microphone connector is completely inserted before attempting to operate.

6.5 +48V Phantom Power Selector Switch

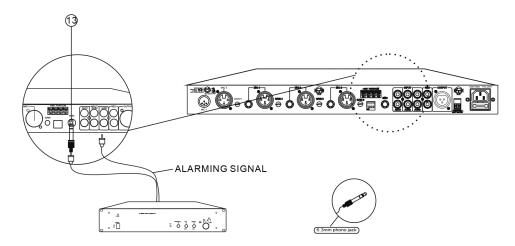


To activate Phantom Power (+48V) on Mic 2-5 XLR inputs you will need to move the appropriate Dip Switch to the 'ON' (down) position. When you no longer need Phantom Power (+48V) on a particular XLR input then move the Dip switch to the 'Off' (up) position. Please note (as per the chart on the back of the device) that Dip switch 1 activates +48V to Mic 2 XLR input, Dip switch 2 activates +48V to Mic 3 XLR input; Dip switch 3 activates +48V to Mic 4 XLR input; and Dip switch 4 activates +48V to Mic 5 XLR input.

NOTE: Before turning Phantom Power (+48V) on please ensure the corresponding channel volume is set to minimum.



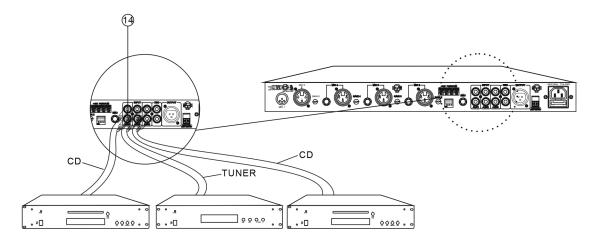
6.5 EMC Input



The EMC input has urgent priority function.

NOTE: The volume of the EMC emergency Input is determined by the Input device.

6.7 AUX 1-3 Inputs



The Auxiliary Inputs are via RCA connectors.

Up to 3 Auxiliary devices can be connected to the device (AUX 1-3).

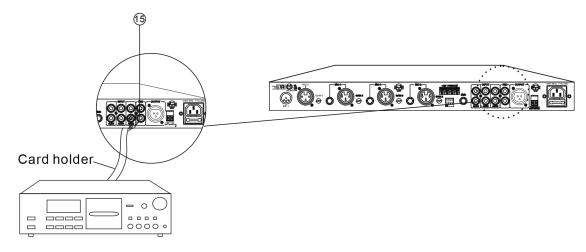
Each pair of Aux inputs has a corresponding volume control knob on the front of the device.

Bass, Treble and Master volume are also controlled by knobs on the front panel.

NOTE: Before connecting auxiliary device please ensure that the corresponding channel volume is set to minimum.

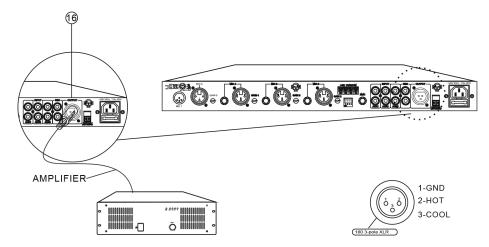


6.8 REC (recording) Output Interface



This device can be connected to an external recording device via the pair of RCA sockets on the rear panel labelled 'Rec.' The volume of this signal sent to these sockets is controlled by the Master volume knob on the front panel.

6.9 OUTPUT - The Balanced Line Output

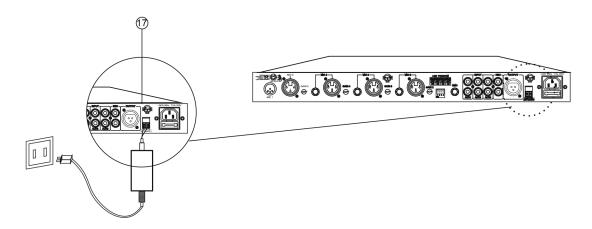


This device has a balanced XLR socket on the rear panel. This output can be connected to a power amplifier. The overall volume and tonal control for the 'OUTPUT' is via the Bass, Treble and Master knobs on the front panel.

NOTE: It is advised that a connection with a power amplifier is securely made before powering on this device.



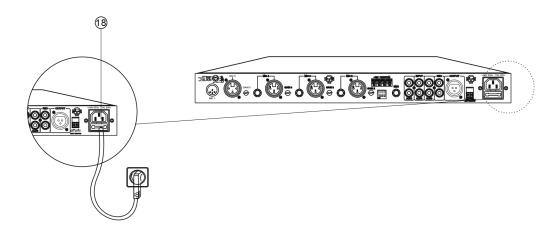
6.10 24V DC Input



In the event that 220V-240V power supply is cut off to this device, a 24V DC input source can be connected to maintain operation.

NOTE: Only connect a 24V DC source to this device to avoid malfunction or accident. It is recommended that the 24V DC power supply be disconnected when not in use so as not to reduce the life of this power source.

6.11 Power Input

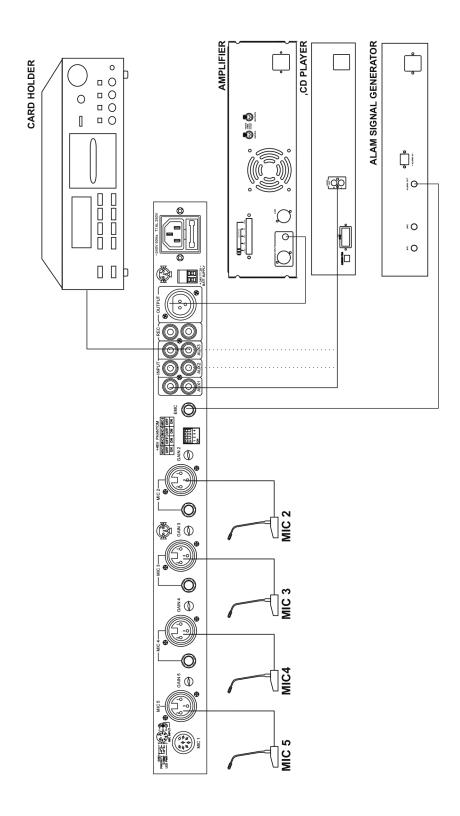


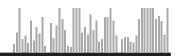
This device is designed to accept 220-240V power. Please ensure the power cord is securely fitted to the source and the power input socket on the back panel.

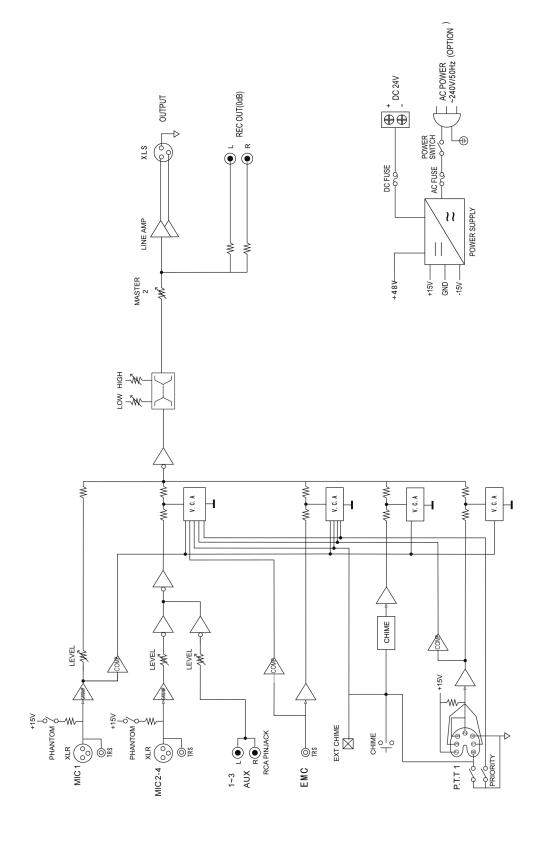
It is recommended that the device be disconnected from the power source if it is not used for extended periods of time. If the power cord is damaged in any way then the device should not be turned on.

NOTE: Only operate this device when connected correctly to 220-240V power source.









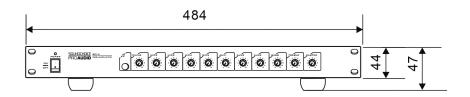
9. SPECIFICATIONS

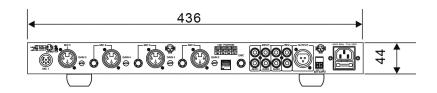


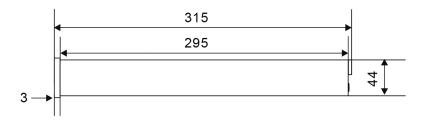
MODEL	801M	
INPUT	MIC 2-5 - Balanced - 2.5mv/2KOhms	
	MIC 2-4 - Unbalanced - 5mv/1KOhms	
	AUX 1-3 - Unbalanced -10KOhms/300mV	
	EMC - Unbalanced - 775mV/15KOhms	
OUTPUT	775mV - 600Ohms	
ADJUST VOLUME	BASS: ±10dB at 100Hz	
	TREBLE: ±10dB at 10KHz	
FREQUENCY RESPONSE	20Hz~20KHz(±1dB)	
POWER INPUT	~240V/50Hz	
DIMENSION	484 x 295 x 44mm	
NET WEIGHT	3.75Kg	
GROSS WEIGHT	4.75Kg	



Unit: mm







NOTE: Please ensure that the unit has at least a 10cm gap from any object on all sides, so as not obstruct the air flow and cause the unit to overheat.

