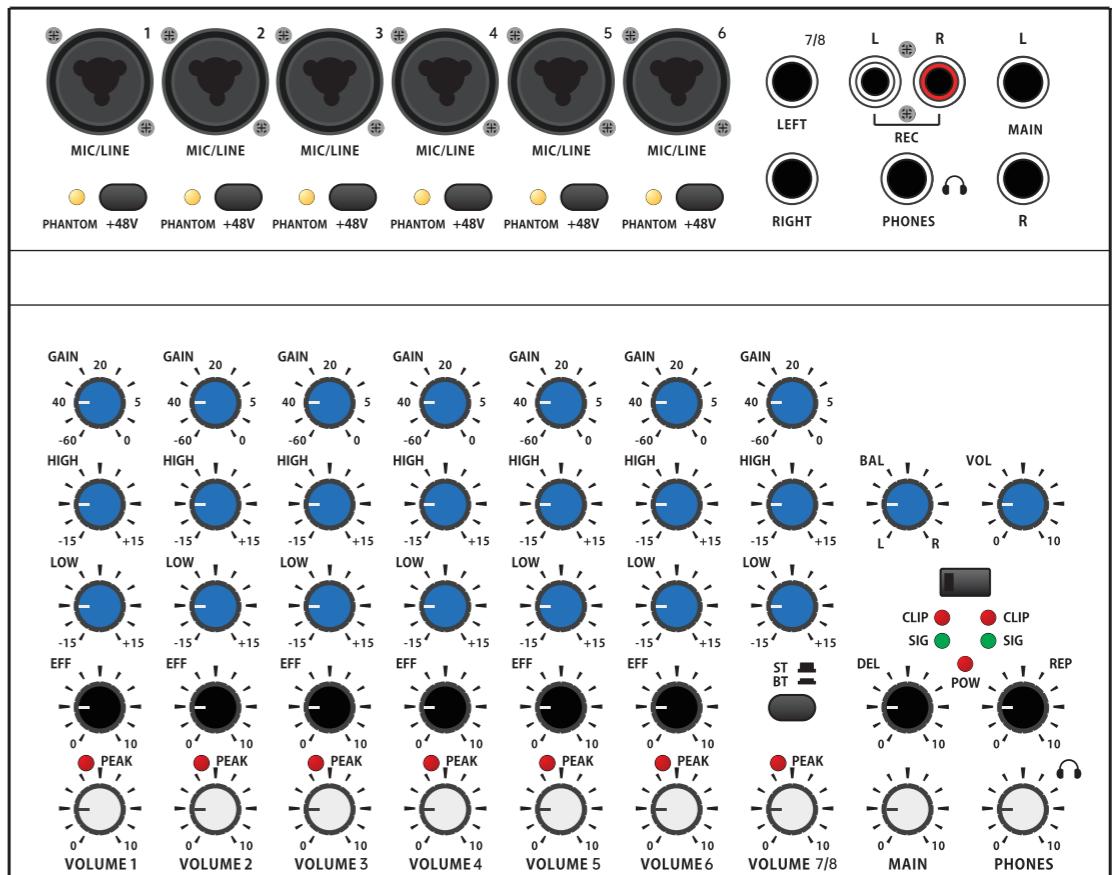
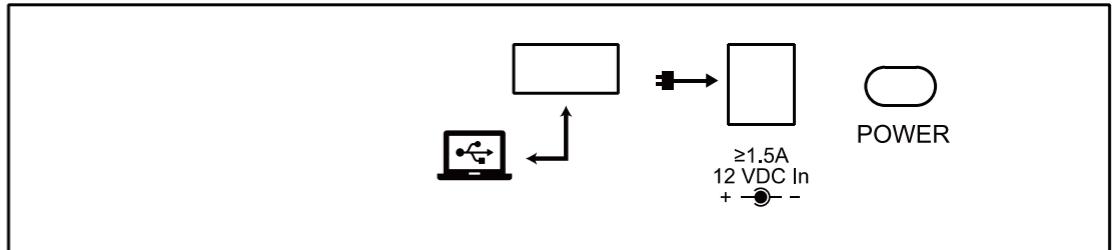


# PROFESSIONAL MIXER CONSOLE

mixer



USER'S MANUAL

## Specifications

Mono Inputs	
MIC INPUT(XENYX	6
MIC Pre-amplifier)	
TYPE	
XLR Connector, Electronic type	
balanced type	
Mic E.I.N.1 ( 20Hz-20KHz )	
@ 0Ω source impedance	-134db/135.7db A-weighted
@ 50Ω source impedance	-131db/133.3db A-weighted
@ 150Ω source impedance	-129db/130.5db A-weighted
FREQUENCY RESPONSE	<10 KHz-150KHz (-1db)
FREQUENCY RESPONSE	<10 KHz-200KHz (-3db)
GAIN RANGE	+10db~+60db
MAXIMUM LEVEL INPUT	+12dBu@+10db
IMPEDANCE	2.6 ohms balanced type
SIGNAL-TO-NOISE RATIO	110db A-weighted (0 dBu In@+22db )
DISTORTION (THD DISTORTION+NOISE)	0.0005%/0.004% A-weighted
PHANTOM POWER	Switchable,+48V
LINE INPUT	
TYPE	1/4"TRS, Electronic type
IMPEDANCE	20K ohms, Balanced type 10K ohms Unbalanced type
GAIN RANGE	-10db~+40db
MAXIMUM INPUT LEVEL	30 dBu
FREQUENCY RESPONSE(MIC INPUT-MIC OUTPUT)	
<10 Hz-90KHz	+0 db /-1db
<10 Hz-160KHz	+0 db/-3db

MAIN L/R OUTPUT	
TYPE	1/4"TRS Unbalanced type
IMPEDANCE	120 ohms
MAXIMUM OUPUT LEVEL	+28 dBu
PHONES OUTPUT	
TYPE	1/4"TRS
MAXIMUM OUPUT LEVEL	+19 dBu/150 ohms +25 dBm



The above warning is located on the rear of the unit.

## IMPORTANT SAFETY INSTRUCTIONS

- 1 Read these instructions.
- 2 Keep these instructions.
- 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 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 Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
- 11 Only use attachments/accessories specified by the manufacturer.
- 12 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.
- 13 Unplug this apparatus during lightning storms or when unused for long periods of time.
- 14 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.



## 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.

### WARNING

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

## SAFETY RELATED SYMBOLS



**!** This symbol, wherever used, alerts you to the presence of un-insulated and dangerous voltages within the product enclosure. These are voltages that may be sufficient to constitute the risk of electric shock or death.

**!** This symbol, wherever used, alerts you to important operating and maintenance instructions. Please read.

- ⊕ Protective Ground Terminal
- ~ AC mains (Alternating Current)
- ⚡ Hazardous Live Terminal
- ON: Denotes the product is turned on.
- OFF: Denotes the product is turned off.

### WARNING

Describes precautions that should be observed to prevent the possibility of death or injury to the user.

### CAUTION

Describes precautions that should be observed to prevent damage to the product.

 Disposing of this product should not be placed in municipal waste and should be Separate collection.

### WARNING

#### • Power Supply

Ensure that the mains source voltage (AC outlet) matches the voltage rating of the product. Failure to do so could result in damage to the product and possibly the user. Unplug the product before electrical storms occur and when unused for long periods of time to reduce the risk of electric shock or fire.

#### • External Connection

Always use proper ready-made insulated mains cabling (power cord). Failure to do so could result in shock/death or fire. If in doubt seek advice from a registered electrician.

#### • Do Not Remove Any Covers

Within the product are areas where high voltages may be present. To reduce the risk of electric shock do not remove any covers unless the AC mains power cord is removed. Covers should be removed by qualified service personnel only.

No user serviceable parts inside.

#### • Fuse

To prevent fire and damage to the product, use only the recommended fuse type as indicated in this manual. Do not short-circuit the fuse holder. Before replacing the fuse, make sure that the product is OFF and disconnected from the AC outlet.

#### • Protective Ground

Before turning the product ON, make sure that it is connected to Ground. This is to prevent the risk of electric shock. Never cut internal or external Ground wires. Likewise, never remove Ground wiring from the Protective Ground Terminal.

#### • Operating Conditions

Always install in accordance with the manufacturer's instructions. To avoid the risk of electric shock and damage, do not subject this product to any liquid/rain or moisture. Do not use this product when in close proximity to water. Do not install this product near any direct heat source. Do not block areas of ventilation. Failure to do so could result in fire. Keep product away from naked flames.

## IMPORTANT SAFETY INSTRUCTIONS

Read these instructions

Follow all instructions

Keep these instructions. Do not discard.

Heed all warnings.

Only use attachments/accessories specified by the manufacturer.

#### • Power Cord and Plug

Do not tamper with the power cord or plug. These are designed for your safety. Do not remove Ground connections! If the plug does not fit your AC outlet seek advice from a qualified electrician. Protect the power cord and plug from any physical stress to avoid risk of electric shock. Do not place heavy objects on the power cord. This could cause electric shock or fire.

#### • Cleaning

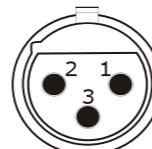
When required, either blow off dust from the product or use a dry cloth. Do not use any solvents such as Benzol or Alcohol. For safety, keep product clean and free from dust.

#### • Servicing

Refer all servicing to qualified service personnel only. Do not perform any servicing other than those instructions contained within the User's Manual.

## CONNECTIONS

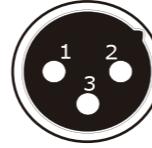
### Balanced use of XLR connections



Input

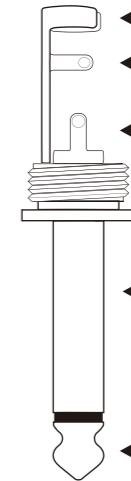


Output



For unbalanced use pin 1 and pin 3 have to be bridged

### Balanced use of stereo 1/4" jack plugs



Strain relief clamp

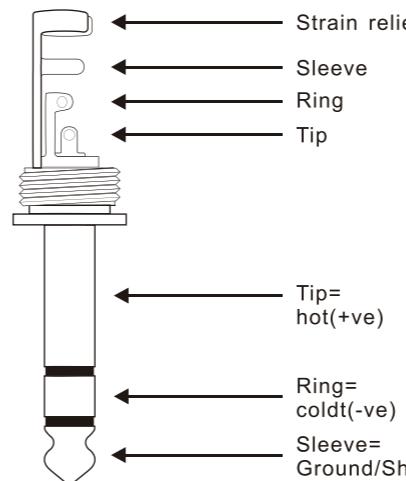
Sleeve

Tip

Sleeve= Ground/Shield

Tip= Left signal

### Balanced use of stereo 1/4" jack plugs



Strain relief clamp

Sleeve

Ring

Tip

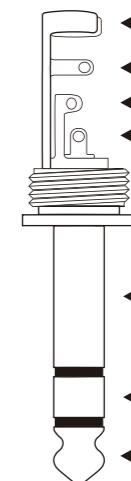
Tip= hot(+ve)

Ring= cold(-ve)

Sleeve= Ground/Shield

For connection of balanced and unbalanced plugs, ring and sleeve have to be bridged at the stereo plug

### Insert send return 1/4" TRS connectors



Strain relief clamp

Sleeve

Ring

Tip

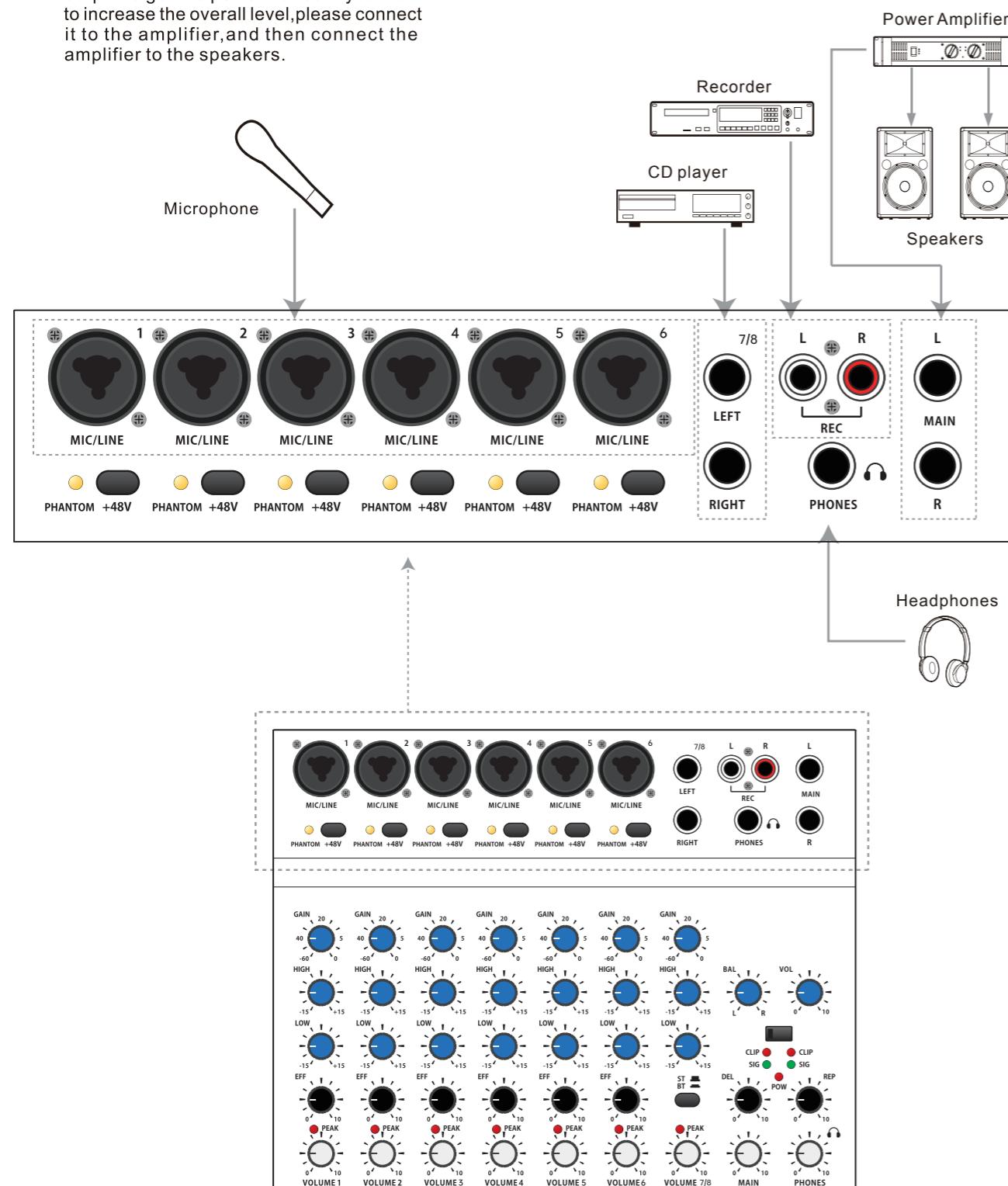
Sleeve= Ground/Shield

Ring= Back (into)

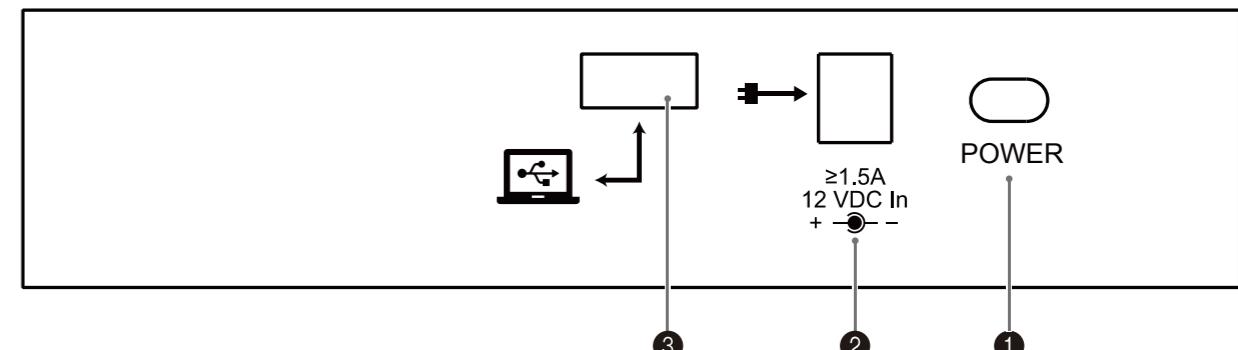
Tip= Send (out)

Inserted into the connector input and send Insert effects output return

**Note:** You can connect the speakers to the L/R output to get the performance. If you want to increase the overall level, please connect it to the amplifier, and then connect the amplifier to the speakers.



## REAR PANEL Description



## REAR PANEL Description

### ① POWER ON/OFF Switch

This switch is used to turn the main power ON and OFF. The Power Indicator will be lighted when the power is on.

### ② AC INPUT Connector

This connector is used to connect the supplied AC Adapter.

### ③ Connection to computer

#### FCC statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Caution: Any changes or modifications to this device not explicitly approved by manufacturer could void your authority to operate this equipment.

This device complies with part 15 of the FCC Rules.

Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

#### RF Exposure warning

The device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction.

## Input Channel

① The MIC input accepts XLR-type connectors and is designed to suit a wide range of BALANCED or UNBALANCED signal. Professional dynamic, condenser mics are best because these will be LOW IMPEDANCE. If you turn the PHANTOM POWER on (top right-hand side of the mixer) the socket provides a suitable powering voltage for professional condenser mics.

TAKE CARE when using unbalanced sources, which may be damaged by the phantom power voltage on pins 2&3 of the XLR connector.

Unplug any mics if you want to use the LINE Input. The input level is set using the GAIN knob.

### ② Phantom Power

By pressing this button, you will activate 48V phantom power on mic input.

### ③ Gain

This knob sets how much of the source signal is sent to the rest of the mixer. Too high, and the signal will distort as it overloads the channel. Too low, and the level of any background hiss will be more noticeable and you may not be able to get enough signal level to the output of the mixer. The setting range of MIC input is -10u+40, and the setting range of LINE input is +10u+60.

④ A 4-band equalizer is provided for all input channels with a wide range of frequency adjustment.

### HI

This is the Treble control. You can use it to get rid of high frequency noises or to boost the sound of cymbals or the high harmonics of the human voice. The gain range goes from -15dB to +15dB with a center frequency of 12 kHz.

### LOW

This is the Bass control. Boost male voice or kickdrum and bass guitar. Your system will sound much bigger than what it is. The gain range goes from -15dB+15dB and the center frequency is 80Hz.

### ⑤ EFFECT LEVEL

This fader is used to adjust the level of the EFFECT.

### ⑥ PEAK LED

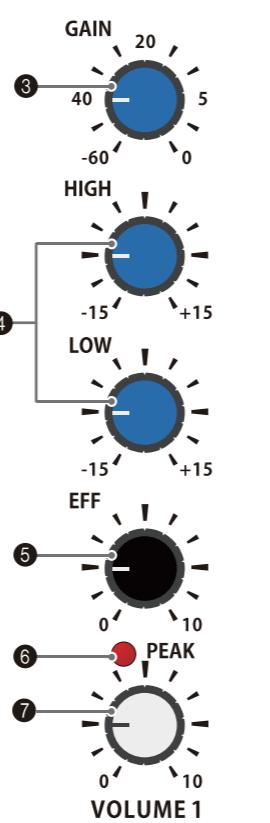
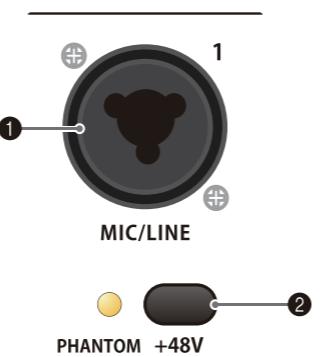
The audio signal is monitored in several different stages and then sent to the PEAK LED. When the LED blinks, it warns you that you are reaching signal saturation and possible distortion. The PEAK LED will blink with a level that is 3dB before actual clipping.

### ⑦ Faders

The MASTER FADERS set the final level of the MIX outputs, and separate faders are provided for each output.

Note: In case of any noises, please set the fader to lowest position if you don't use that channel. These should normally be set close to the "10" mark if the input GAIN settings have been correctly set, to give maximum travel on the faders for smoothest control.

## Input Channel Section



## Master Section

### ① CD/TAPE INPUT Socket

These two sockets are unbalanced left and Right Line-level inputs, used for connecting a recording device.

### ② CD/TAPE OUTPUT Socket

These two RCA outputs carry a copy of the L OUT and R OUT signals. They allow the use of a recording device, e.g. DAT player, Minidisc, Cassette tape recorder etc.

### ③ (L.R)OUTPUT Connectors

The stereo output is supplied both with XLR and 1/4" TRS sockets, which is used to send the audio signals to your amplification system.

### ④ PHONES Connector

This socket will send out the mix signal to a pair of headphones.

⑤ This control is to adjust the level of L/R balance output.

⑥ This control is to adjust the level of bluetooth volume.

⑦ This control is to adjust the level of delay.

⑧ This control is to adjust the level of repeat.

⑨ This control is to adjust the level of main volum.

⑩ This control is to adjust the level of phones volum.

## Master Section

