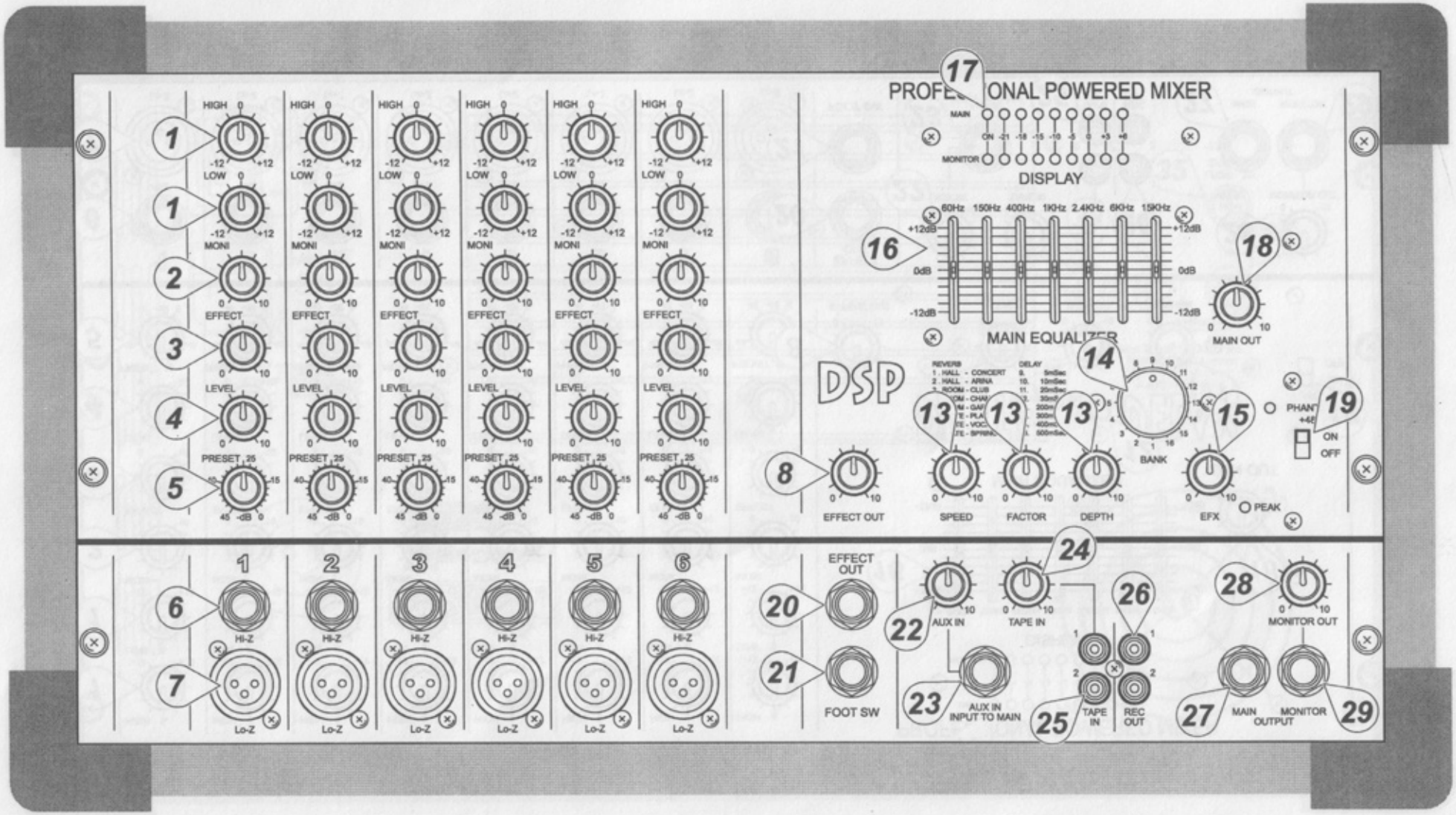
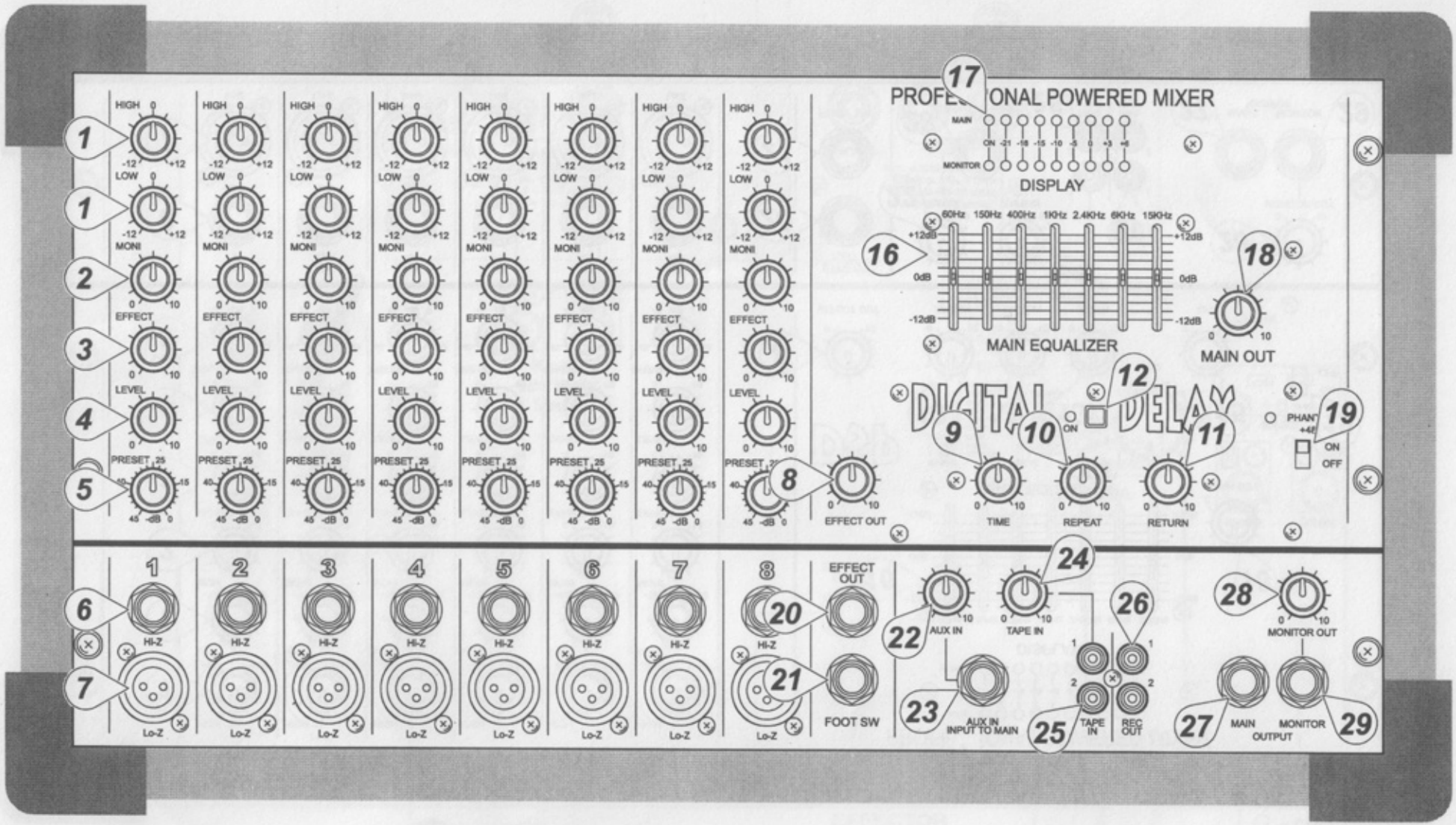
Owner's Operating Manual

Powered Mixer

PAM 6010
PAM 8010

Please read before using this equipment


PROFESSIONAL POWERED MIXER
DISPLAY
MAIN EQUALIZER
MAIN OUT
DSP
EFFECT OUT
SPEED
FACTOR
DEPTH
EFX
BANK
PEAK
PHANT +48
ON
OFF
AUX IN
TAPE IN
AUX IN INPUT TO MAIN
TAPE IN
REC OUT
MONITOR OUT
MAIN OUTPUT
FOOT SW
HIGH
LOW
MONI
EFFECT
LEVEL
PRESET
Hi-Z
Lo-Z


PROFESSIONAL POWERED MIXER
DISPLAY
MAIN EQUALIZER
MAIN OUT
DIGITAL DELAY
TIME
REPEAT
RETURN
EFFECT OUT
FOOT SW
AUX IN
TAPE IN
AUX IN INPUT TO MAIN
TAPE IN
REC OUT
MONITOR OUT
MAIN OUTPUT
MONITOR
HIGH
LOW
MONI
EFFECT
LEVEL
PRESET
HI-Z
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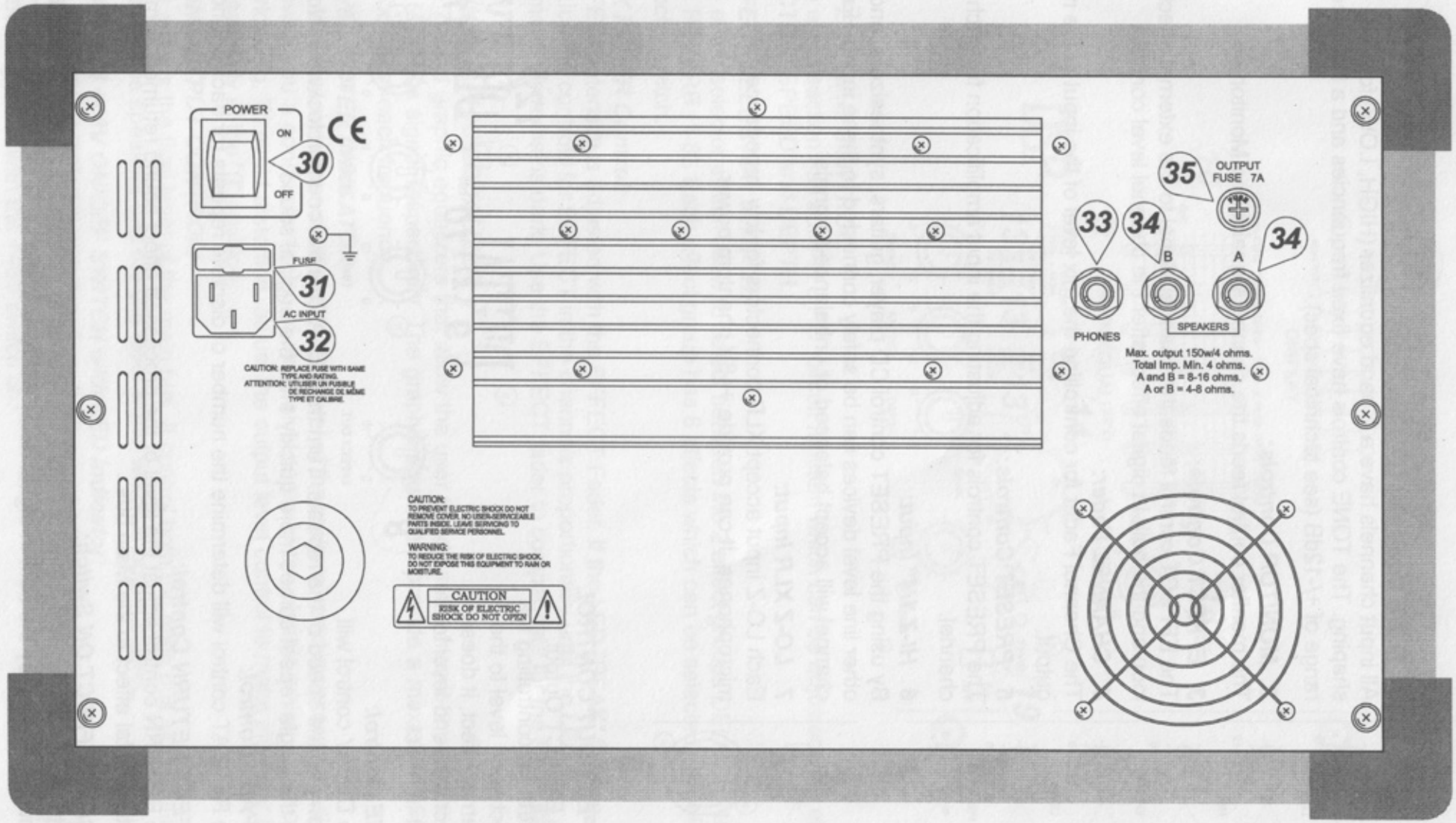
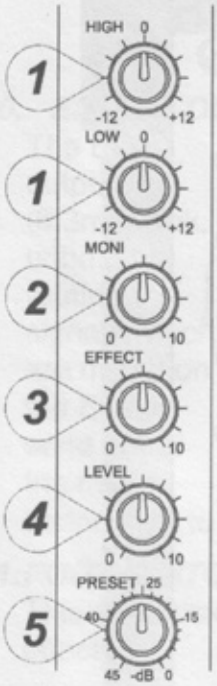

POWER
ON
30
OFF
CE
FUSE
31
AC INPUT
32
CAUTION: REPLACE FUSE WITH SAME TYPE AND RATING.
ATTENTION: UTILISER UN FUSIBLE DE RECHANGE DE MÊME TYPE ET CALIBRE.
CAUTION:
TO PREVENT ELECTRIC SHOCK DO NOT REMOVE COVER. NO USER-SERVICEABLE PARTS INSIDE. LEAVE SERVICING TO QUALIFIED SERVICE PERSONNEL.
WARNING:
TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT EXPOSE THIS EQUIPMENT TO RAIN OR MOISTURE.
CAUTION
RISK OF ELECTRIC SHOCK DO NOT OPEN
35
OUTPUT FUSE 7A
33
34
B
A
34
PHONES
SPEAKERS
Max. output 150w/4 ohms.
Total Imp. Min. 4 ohms.
A and B = 8-16 ohms.
A or B = 4-8 ohms.



1 TONE Controls:
All input channels have a 2-band equalizer (HIGH, LOW) for tone shaping. The TONE controls have fixed frequencies and a boost/cut range of +/-12dB (see technical spec).

2. MONITOR Controls:
The monitor control feeds the channel signal to the Monitor.

3 EFFECT Controls:
The EFFECT control feeds the channel signal to the external effects loop and the built-in digital effect after the channel level control.

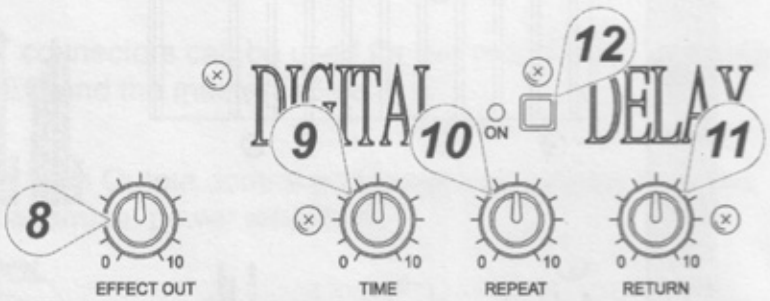
4 CHANNEL Fader:
The Channel Fader for controlling the mix level of the input to the main output.

5 PRESET Controls:
The PRESET controls for adjusting the input amplification for each channel.

6 HI-Z 1/4" Input:
By using the PRESET control CD player, guitars, synthesizers, and other line level devices can be safely connected to these inputs. Each channel will accept balanced or unbalanced signals.

7 LO-Z XLR Input:
Each LO-Z input accept XLR connectors for low impedance microphones. It can provide +48V phantom power.

8 EFFECT OUT CONTROL
The EFFECT Output control for controlling the effect send level to the external effect, it doesn't affect the send level to the built-in effect.

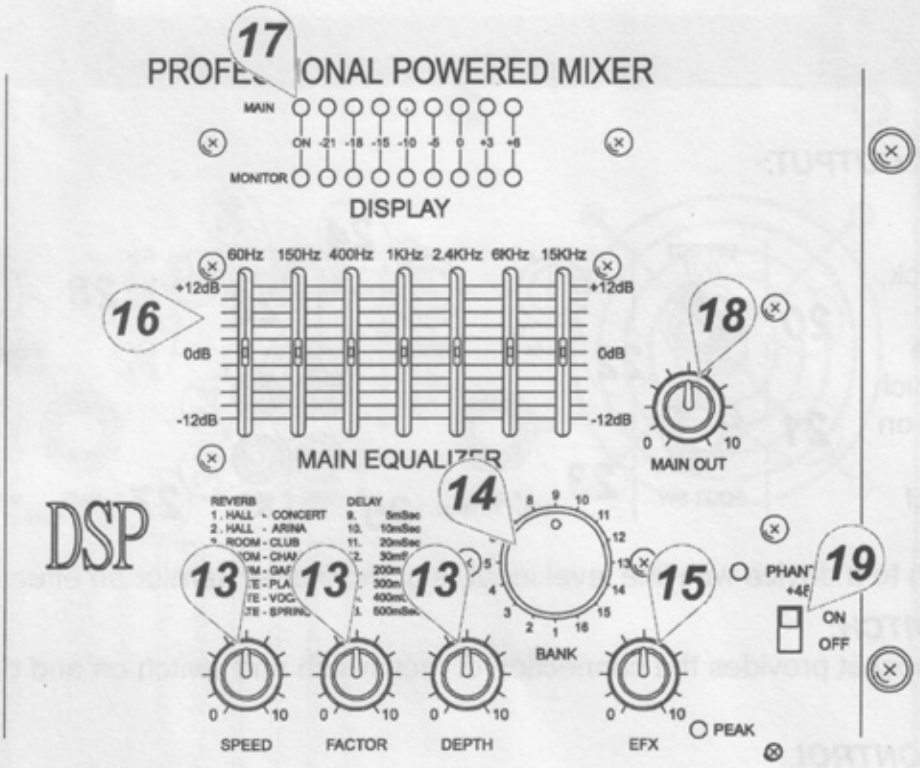


9. TIME Control:
The DELAY control will determine the speed of the repeats. Turn the DELAY control counterclockwise. Note hoe the single repeat comes more quickly after the original sound.

10 REPAET Control:
The REPEAT control will determine the number of discrete repeats for each sound.

11 EFFECT RETURN Control:
The RETURN control adjust the level of the processed effect sound returned from the built-in digital effect to the Main bus.

12 DIGITAL EFFECT ON Switch:
Switching on the effect button the LED will come on to indicate EFFECT active. The signal processed by the built-in digital delay will feed to the Main bus.



13. *EFFECT L.F.O CONTROL:*

The effect section has build-in L.F.O. circuit function which can be adjusted with effect FACTOR, SPEED and DEPTH.

14. *EFFECT SELECTOR SWITCH:*

The effect selector switch allow to select between the 2 effect groups DELAY (9-16) and REVERB (1-8). Each effect group has 8 effects which can be selected with effect selector switch.

15 *EFX FADER Control:*

EFFECT intensity is adjusted with the EFFECT Fader. If the LED "PEAK" flashes, reduce the controls for EFFECT in the channels proportionally until the LED permanently remains dark. Use the EFFECT fader to compensate for the effect signal loss.

16. *MAIN GRAPHIC EQUALIZER*

The 7-band graphic equalizers that allow the user to adjust the frequency response of the Main bus signal respectively. The graphic equalizers provide a maximum 12dB of cut/boost for each frequency.

17. *LEVEL METER INDICATOR:*

The led level meter can show the output level of the main mix and monitor, the indicator is giving you a constant warning of excessive peaks in the signals which might cause overloading. To avoid distortion, adjust the output level control to make indicator lights occasionally at the "0" position.

18. *MAIN OUTPUT CONTROL:*

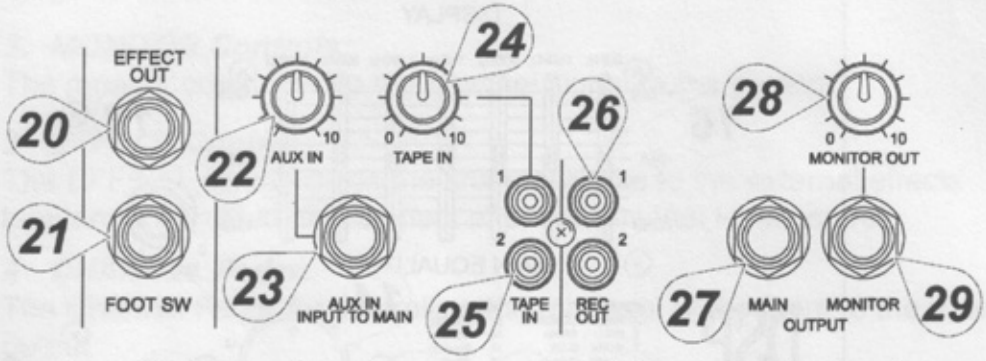
This adjusts the final level of the main bus. It control both the main bus signal which is output to the speakers and the line level signal which is output socket.

19. *PHANTOM +48V ON/OFF SWITCH with LED indicator:*

The PHANTOM POWER switch actives the internal +48V phantom power supply for the XLR input of each LO-Z Jack. Please be careful, the condenser microphone should not be plugged in with the +48V switch on.

20. EFFECT OUTPUT:

The Effect output (6.3mm jack, unbal.) for routing the signals which are mixed on the Effect send out of the mixer;



connection to a device with line level input, e.g. monitor system or an effect unit.

21. FOOT SWITCH:

This 1/4" socket provides the connection of foot switch and switch on and off the digital effects.

22. AUX IN CONTROL:

This controls for adjusting the level of signal from AUX IN to the MAIN Output.

23. AUX IN:

The 1/4" type AUX IN connectors can be used for external monaural output devices like such as external effects.

24. TAPE IN CONTROL:

This controls for adjusting the TAPE IN signal to the MAIN Output.

25. TAPE IN:

The RCA-type TAPE IN connectors can be used for external playback devices like tape recorders or CD players. This input is affected by the master EQ and the master faders.

26. REC OUTPUT:

The RCA-type REC OUTPUT connectors can be used for live recordings. This output is not affected by the master EQ and the master faders.

27. MAIN OUTPUT:

This line level signal (after the Main Output control and graphic equalizer) from the mixer to external devices (for example: power amplifier).

28. MONITOR OUTPUT CONTROL:

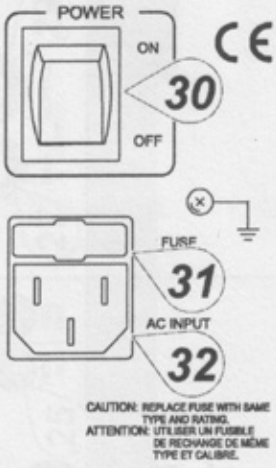
The Monitor Output control determines the final level of the Monitor bus. It controls the Monitor bus signal to the Monitor Output socket.

29. MONITOR OUTPUT:

The 1/4" MONITOR output (after the Monitor Output control) allows connect an external monitor power amplifier or active monitor speakers.

30. POWER Switch:

This switches the Powered mixer ON or OFF.
Note: Be sure to switch on the power to you Powered mixer before switching on the amplification system.

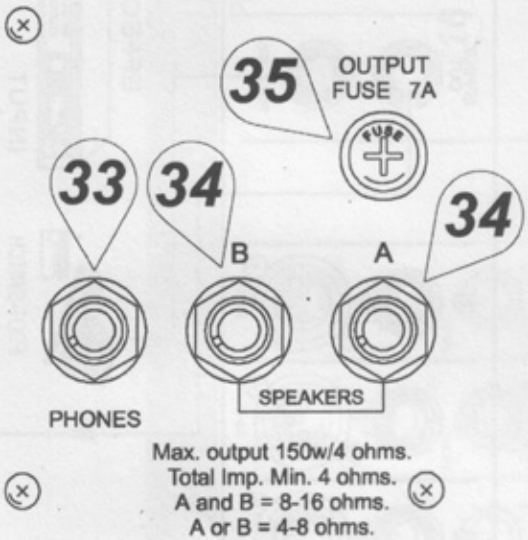


31. FUSE Holder:

The IEC power socket has an integral fuse holder that takes a 20mm fuse. Always replace a blown fuse with the same type as specified on the rear of the Powered mixer.

32. MAINS Connection:

A standard IEC AC power socket for connecting to the main AC supply.
Before you connect your Powered mixer *to the mains, please make sure that your local voltage matches the voltage required by the unit!*



33. HEADPHONES OUTPUT:

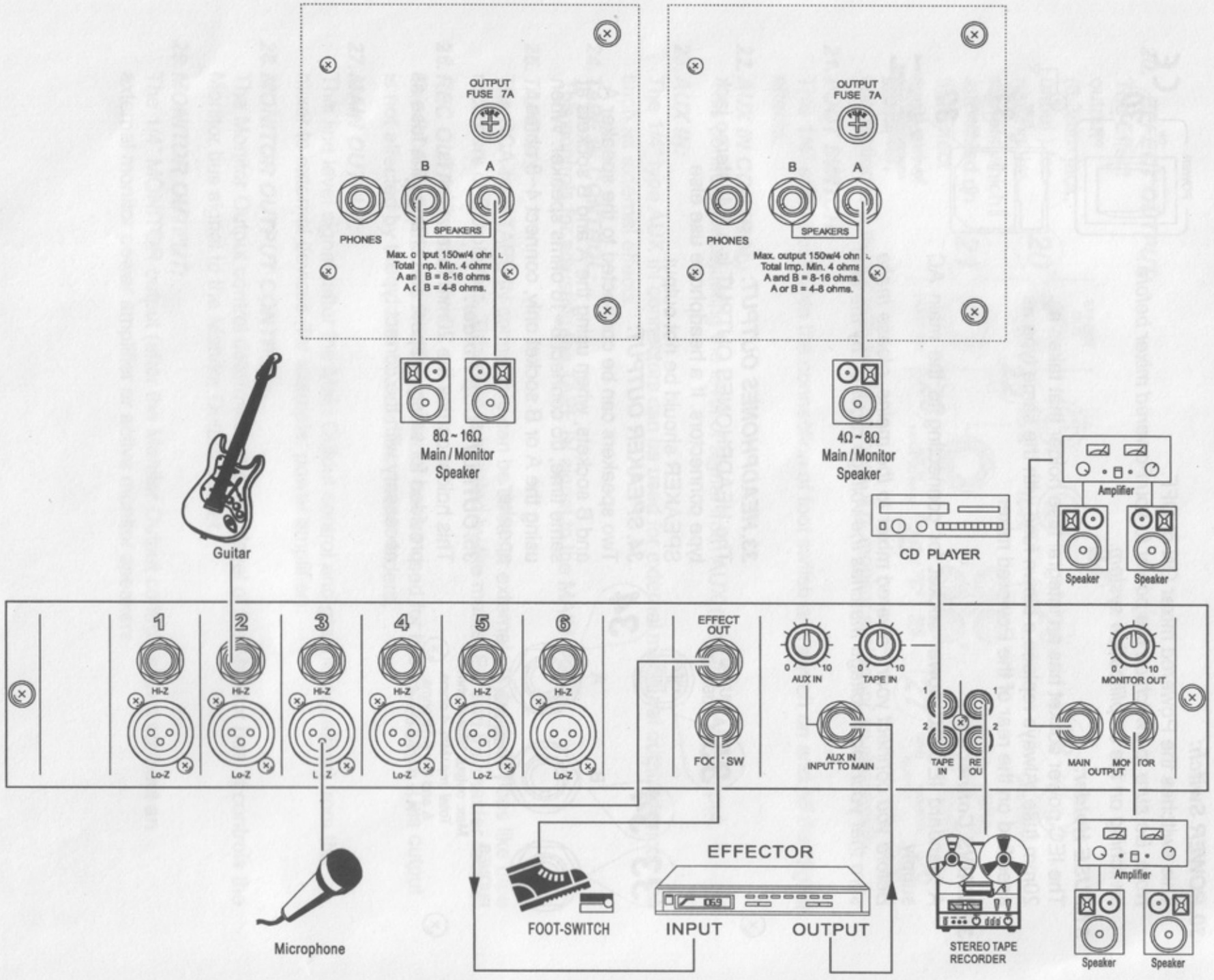
The HEADPHONES OUTPUT is a 1/4" stereo jack type connectors. If a headphone use else SPEAKER should be not output.

34. SPEAKER OUTPUT:

Two speakers can be connected to the speaker A and B sockets, when using the A and B sockets at same time, do connect 8~16 ohms speaker. When using the A or B socket only, connect 4~8 ohms speaker.

35. OUTPUT FUSE Holder:

This holder carries the 20mm fuse which is provided for safety. Inspect and change the fuse as necessary with the correct type.


OUTPUT
FUSE 7A
B
A
PHONES
SPEAKERS
Max. output 150w/4 ohm
Total Imp. Min. 4 ohms
A and B = 8-16 ohms.
A or B = 4-8 ohms.
8Ω ~ 16Ω
Main / Monitor
Speaker
4Ω ~ 8Ω
Main / Monitor
Speaker
Guitar
CD PLAYER
Amplifier
Speaker
Speaker
1
2
3
4
5
6
Hi-Z
Lo-Z
EFFECT
OUT
AUX IN
TAPE IN
MONITOR OUT
AUX IN
INPUT TO MAIN
TAPE
IN
MAIN
OUTPUT
FOOT SW
Microphone
FOOT-SWITCH
EFFECTOR
INPUT
OUTPUT
STEREO TAPE
RECORDER
Amplifier
Speaker
Speaker

SPECIFICATIONS:

Input Sensitivity:	LO-Z	1mV / 1KOhms
	HI-Z	4mV / 3.4KOhms
	AUX IN	100mV / 10KOhms
	TAPE IN	150mV / 10KOhms
Output Level: (Max. Output 8V)		
	MAIN	1V/600Ohms
	MONITOR	1V/600Ohms
	EFFECT	1V/600Ohms
	REC	500mV/600Ohms
	PHONES	500mV/8Ohms
Maximum output power:		100Watts/ 8 ohm 150Watts/ 4 ohm
Frequency Response:		20Hz~20KHz ±1dB
Total Harmonic Distortion:		0.3% (Rated output)
Signal-To-Noise Ratio:	LO-Z	70dB
	HI-Z	70dB
	AUX	85dB
	TAPE	85dB
Tone Control: (Boost/Cut@Center Frequency)		
Input channel equalization		±12dB@100Hz, 10KHz
Graphic equalizer		±12dB@60Hz, 150Hz, 400Hz, 1kHz, 2.4kHz, 6kHz, 15kHz
Phantom Power		+48V
Dimensions:		524mm* 312mm*288mm
Weight		15kg