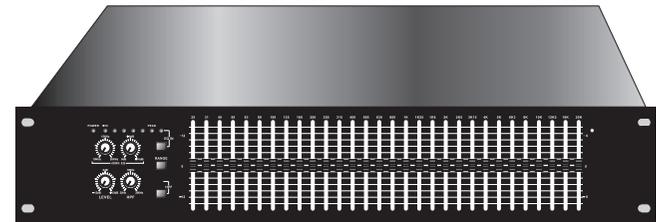


# OWNER'S MANUAL



*Please read this manual carefully and proper take care of this manual*

### (8). POWER INPUT, SWITCH AND FUSE

Power is supplied via an IEC standard 3 pin connector. The power supply fuse is located in a fuse holder fitted into the rear panel. Always replace with the correct type and rating of fuse, as indicated adjacent to the fuse holder.

### (9). Audio In / Out

It has an XLR jack and a balanced 1/4" -inch jack for each channel.

### (10). SUB WOOFER

SUB WOOFER output frequency can be selected from 80Hz, 100Hz, 120Hz.

## 4. SPECIFICATIONS

Format	Mono, 1/3 Octave	Mono, 1/3 Octave	Mono, 1/3 Octave
<b>INPUT</b>			
<b>Format</b>	Balanced, Line Level (+4dBu)		
<b>Impedance</b>	20 KOhm		
<b>Gain</b>	-12~+12 dB		
<b>CMRR@1kHz</b>	40 dB		
<b>Input level meter</b>	6 segments		
<b>HPF</b>	20Hz to 200Hz selectable		
<b>Horn EQ</b>	10 kHz to 20 kHz selectable, variable level from 0dB to 16dB		
<b>THD</b>	0.01%, @ Maximum output		
<b>EQUALIZER</b>	30x1	15x2	30x2
<b>Format</b>	1constant Q, Maximum Flat		
<b>Center Frequency</b>	30x1/30x2: 25Hz, 31Hz, 40Hz, 50Hz, 63Hz, 80Hz, 100Hz, 125Hz, 160Hz, 200Hz, 250Hz, 315Hz, 400Hz, 500Hz, 630Hz, 800Hz, 1KHz, 1.25KHz, 1.6KHz, 2KHz, 2.5KHz, 3.15KHz, 4KHz, 5KHz, 6.3KHz, 8KHz, 10KHz, 12.5Hz, 16KHz, 20KHz 15x2: 25Hz, 40Hz, 63Hz, 100Hz, 160Hz, 250Hz, 400Hz, 630Hz, 1kHz, 1.6kHz, 2.5kHz, 4kHz, 6.3KHz, 10KHz, 16KHz		
<b>Range</b>	12 dB or 6 dB		
<b>OUTPUT</b>			
<b>Format</b>	Active Balanced		
<b>Maximum output</b>	+24 dBu		
<b>Impedance</b>	<100 Ohm 24 dBu		
<b>Frequency response</b>	20Hz~20kHz, +, -0.25dB, Flat Setting EQ in. 20Hz~20kHz, +, -1dB, all VR at Max or Min Setting EQ in.		
<b>Crosstalk</b>	-70 dB		
<b>LPF Filter</b>	80, 100, 120Hz selectable, 12dB/octave		
<b>Mains power</b>	100~120 or 220~240VAC, 50~60Hz		
<b>Power Consumption</b>	<30 Watts		<50 Watts
<b>Dimensions(WxDxH)</b>	482.6x89x150.7mm	482.6x89x150.7mm	482.6x133.35x150.7mm
<b>Weight</b>	3.1kg	3.15 kg	5 kg

## 1. 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.

**WARNING:** To reduce the risk of fire or electric shock, do not expose this appliance to rain and moisture.



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.



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

## 2. DETAILED SAFETY INSTRUCTIONS:

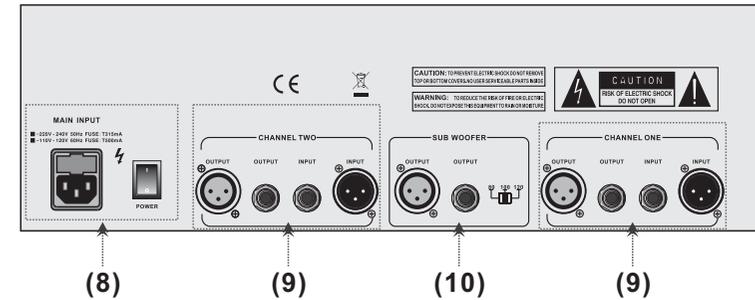
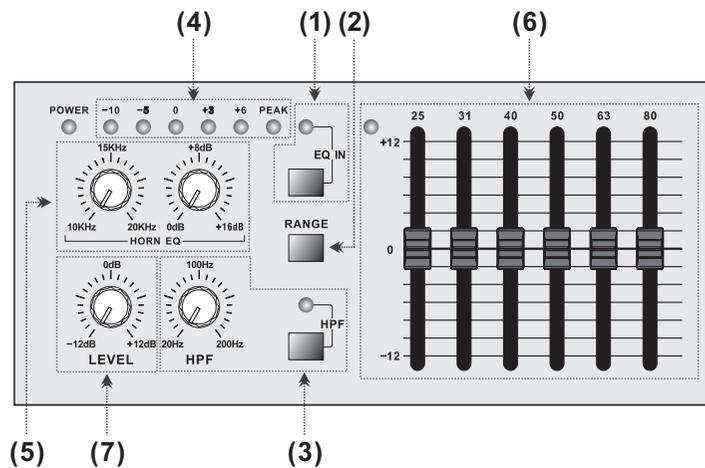
- (1) Read these instructions.
- (2) Keep these instructions.
- (3) Heed all warnings.
- (4) Follow all instructions.
- (5) Do not use this device near water.
- (6) Clean only with a dry cloth.
- (7) Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
- (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, extension cords, and the point at which they exit the unit.
- (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 device. When a cart is used, use caution when moving the cart/ device combination to avoid injury from stumbling over it.



- (13) Unplug this device during lightning storms or when not used for long periods of time.
- (14) Refer all servicing to qualified service personnel. Servicing is required when the unit 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 device, the unit has been exposed to rain or moisture, does not operate normally, or has been dropped.

### 3. CONTROL ELEMENTS



#### (1). EQ IN/OUT switch with LED

This switch allows instant comparison of the original sound with the equalizer sound. The LED will go off when the equalizer is out of the circuit.

#### (2). Range Button

Selects maximum cut or boost for the equalizer of either 6dB or 12dB, and the indicator will light up to show you which level range you are using. The 12dB settings should be used when much equalization is needed; the 6dB setting allows for finer adjustments on the frequency levels.

#### (3). HPF switch with LED

HPF stands for HIGH PASS FILTER which allows the high frequencies to passthrough unchanged, while severely attenuating (cutting) the very low frequencies. Use this switch to protect your audio system from damaging low-frequency transients (loud thumps). The HPF LED will light up when the high pass filter is working. It has a sweepable high pass filter from 20Hz to 200Hz.

#### (4). LED Indicators

With two colors and 6 segments; the LED indicators visually represent the output level of the equalizer. The peak button indicates when the input (or output, as designated by the I/O Meter button) signal is too high, and is dynamically clipped as to protect the internal circuitry.

#### (5). HORN EQ

This control is used to select horn frequency from 10K to 20K, and adjust the level from zero to +16dB.

#### (6). Individual boost/cut control

Moving these sliders upward boosts their labeled frequency bands, and moving them downward cuts (decrease) them. When moving these controls past zero, you will feel the center-detent (notch) in the control which makes it very easy to find zero in a hurry, or even in the dark.

#### (7). LEVEL control

After setting your response curve by using the individual frequency sliders, use this level control to compensate for overall changes in the audio signal level (volume).