

# Studiomaster

## SRQ Series

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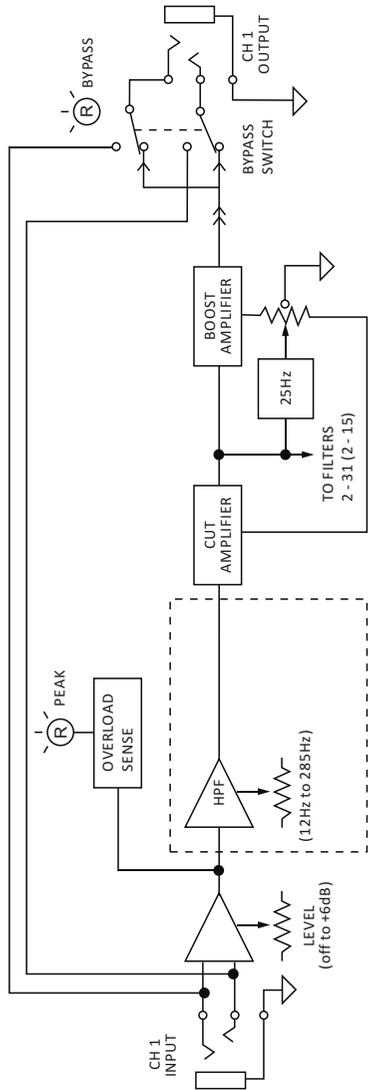
**[www.studiomaster.com](http://www.studiomaster.com)**

In Accordance with our progressive product development, Studiomaster / Studioking Limited reserve the right to change features and specifications without prior notice.

## USER GUIDE

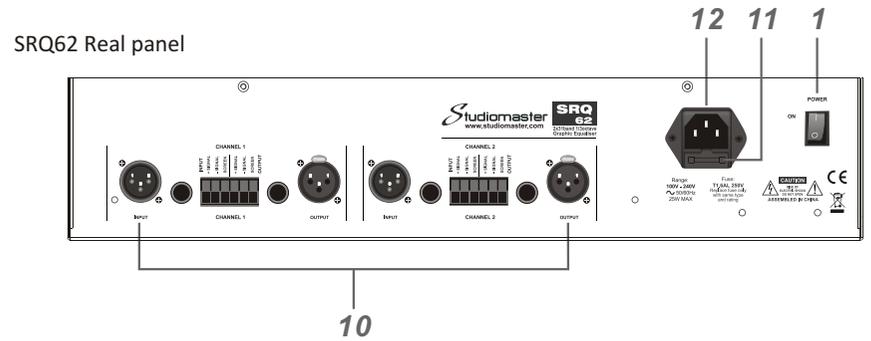
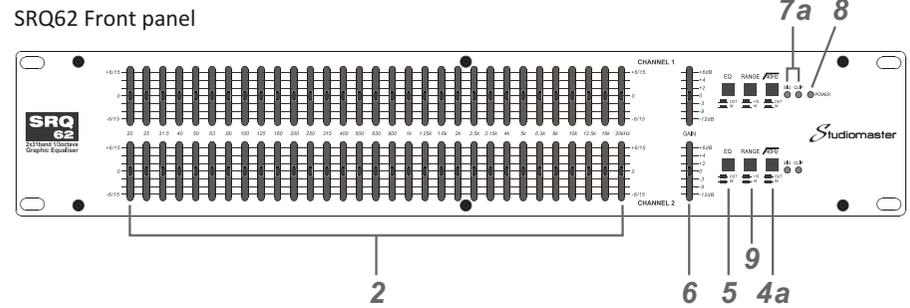
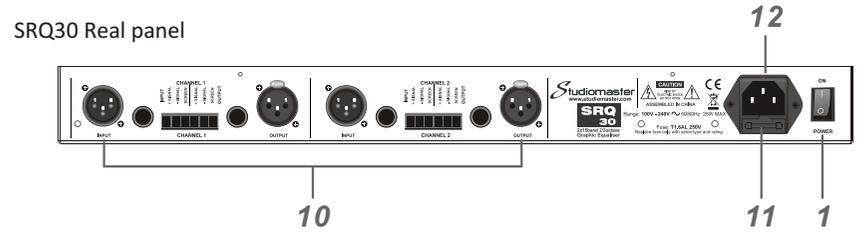
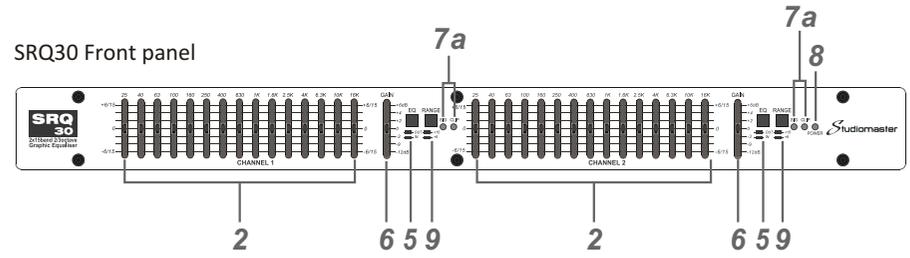


#### 4. Block Diagram

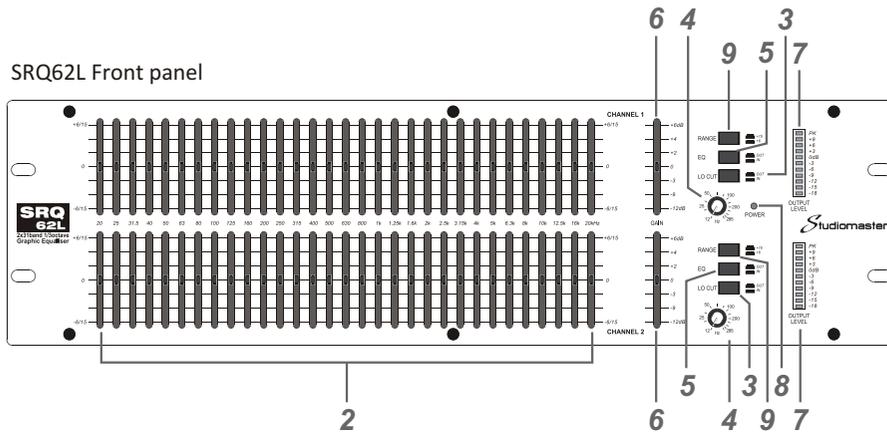


(The figure is channel 1, channel 2 is the same)

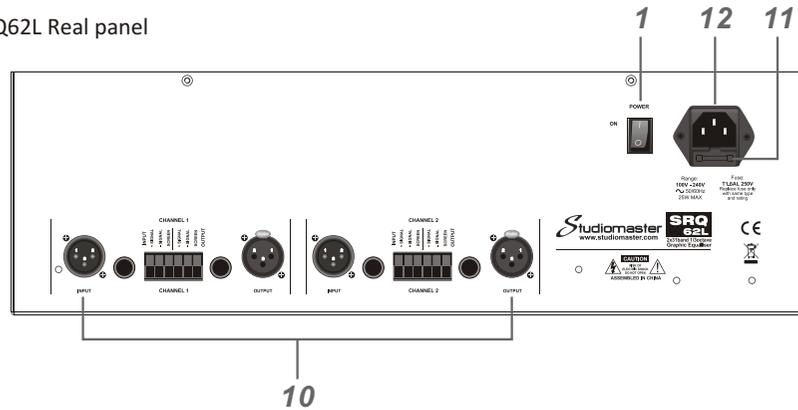
#### 2. Front and rear panel control identification



SRQ62L Front panel



SRQ62L Rear panel



1. Power Switch: turns on and off the SRQ graphic equaliser.
2. Filter level control: Each slider controls corresponding the output level of band-pass filter. (The central concave is ground, which is used for ensuring flat response.)
3. Hi Pass Filter (HPF) switch Channel 1: With the switch in the 'out' position the filter is bypassed (not in circuit). When engaged, or in the 'in' position, the filter is active.
4. HPF frequency control Channel 1: when the HPF switch is engaged (item 3) the low frequency response can be adjusted from 12Hz to 285Hz with a 12dB/octave slope. This can be used to tailor the low frequency response of the sound system or to reduce stage rumble.

Connections

Input: Balanced 3pin XLR, 3 pole jack & Phoenix screw terminal  
 Output: Balanced 3pin XLR, 3 pole jack & Phoenix screw terminal

Power requirements:

90-240V ~ 50/60Hz

Power consumption	SRQ30	SRQ62	SRQ62L
	10W	14W	17W
Fuse ratings:			
Fuse 20x5mm 250V	(T1.6AL)	(T1.6AL)	(T1.6AL)
Size Width	482mm (19")	482mm (19")	482mm (19")
Height	44mm (1.75")	88mm (3.5")	133mm (5.25")
Depth	186mm(7.4")	186mm (7.4")	186mm (7.4")

Weight net:	5.5lb	7.7lb	10lb
shipping:	7.7lb	9.9lb	12.1lb

### 3. Specification

Frequency response: 10-55kHz  
Distortion: 0.004%  
Signal to noise ratio ref +4dBu: 98dB

EQ: SRQ30 2/3 octave ISO frequencies  
SRQ62, SRQ62L 1/3 octave ISO

SRQ30 frequencies: 25, 40, 63, 100, 160, 250, 400, 630, 1k, 1.6k, 2.5k, 4k, 6.3k, 10k, 16k  
SRQ62/62L frequencies: 20, 25, 31.5, 40, 50, 63, 80, 100, 125, 160, 200, 250, 315, 400, 500, 630, 800, 1k, 1.25k, 1.6k, 2k, 2.5k, 3.15k, 4k, 5k, 6.3k, 8k, 10k, 12.5k, 16k, 20k

Gain cut/boost: selectable 15dB/6dB

Fader travel:	SRQ30	SRQ62	SRQ62L
	25mm	25mm	45mm

Input trim range: infinity to +6dB  
Hi Pass Filter SRQ62L: 12-285Hz @ 12dB/octave  
Hi Pass Filter SRQ62: 40Hz @ 12dB/octave  
Maximum input level: +23dBu balanced, +20dBu unbalanced  
Maximum output level: +23dBu balanced, +20dBu unbalanced  
Input impedance: 20k ohms balanced, 10k ohm unbalanced  
Output impedance: <150 ohms

Metering: 11 segment 2 colour bargraph.  
Meter calibration: -18 to +9dB, clip illuminates @ +18dBu

4a. 40Hz high pass filter: when active (switch in) reduces all sounds below 40Hz by 12dB/oct.

5. EQ IN/OUT switch Channel 1: With switch in the 'out' position all the equaliser circuits are by passed. With the switch engaged, or in the 'in' position, all equaliser circuits are activated. This allows the operator to compare the equalised and non equaliser sound.

6. Input Trim Control - Channel 1 and Channel 2: adjusts input signal to match the operating level of the SRQ. The range is from zero (no signal) through unit gain (with centre click) to +6dB gain.

7. Bargraph level meters. 12 segment LED meter that displays the output level of the SRQ.

7a. Signal and Clip LEDs: indicate when an input signal is present (Sig) and when the input signal is too high (Clip). Reduce the input level if the Clip LED illuminates to avoid distortion.

8. Power LED: Illuminates when the SRQ is connected to the A.C. supply and the power switch (item 1) is turned on.

9. Range switch: Selects the cut/boost of the filters between 6dB and 15dB.

10. Output connectors: There are three different output connectors; any combination can be used in balanced or unbalanced mode.  
XLR wiring: Pin 1 = gnd, Pin2 = +ve, Pin = 3-ve  
Jack wiring: Tip = +ve, Ring = -ve, Sleeved = gnd  
Phoenix connector: wiring marked on rear panel.

11. FUSE: Replace only with same type and rating. Fuse value in Specification section

12. A.C. POWER INLET. Use the cable supplied to connect the SRQ to the A.C. Supply.