

SRQ Series



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

USER GUIDE

1. INTRODUCTION

Thank you for buying this Studiomaster product. The SRQ range of graphic equalisers consists of 3 models: SRQ 30, SRQ 62 & SRQ 62L. They are all versatile, high quality processors designed specifically for live sound and frequency shaping in installations.

READ THE USER GUIDE

Despite the sophisticated design the SRQ range is a very easy to use although to get the best from your new purchase, we recommend you read this User Guide before getting down to any serious work.

UNPACKING

Remove your Studiomaster product from its packaging and ensure that along with this User Guide you have an A.C. power cord / mains lead and a warranty card. Retain the packing carton in the eventuality that the unit needs to be returned for service or repair, and please complete and return your warranty card. Returning the completed warranty card does not diminish your statutory rights in any way.

Safety Instructions

- a. Before connecting the A.C. power cord make sure the product is suitable for you local A.C. supply. The SRQ can be used on A.C. Voltages between 90-240V.
- b. Only use the A.C. power cord / mains lead supplied with the product. Replace if it becomes damaged in any way.
- c. Never operate without, or remove the safety ground (earth) from the A.C. Power cord / mains lead.
- d. Do not attempt to remove any screws or panels. There are no user serviceable parts inside.
- e. Do not operate the unit next to heat sources such as radiators.
- f. The unit should not be operated or stored near rain or moisture.
- g. This equipment must not be exposed to dripping or splashing and no objects filled with liquids should be placed on top of it.
- h. Make a note of the serial number for future use.
- I. If the product gets damaged, has been dropped or appears to have developed a fault refer to a qualified Studiomaster service centre.

WARNING

THIS APPARATUS MUST BE EARTHED (GROUNDED)

5. NOTE

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2. Front and rear panel control identification





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- 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.
- 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 ~ 5	0/60Hz				
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:		+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, 1.6l	k, 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, 12.5l			
16k, 20k		16k, 20k			
	Gain cut/boost:		selectable 15dB/6dB		
	Fader travel:	SRQ30	SRQ62	SRQ62L	
		25mm	25mm	45mm	
Input trim range: Hi Pass Filter SRQ62L:			infinity to +6dB		
			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 impendence		20k ohms balanced, 10k ohm unbalanced			
Output impendence			<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.