

Soundcraft

SPIRIT

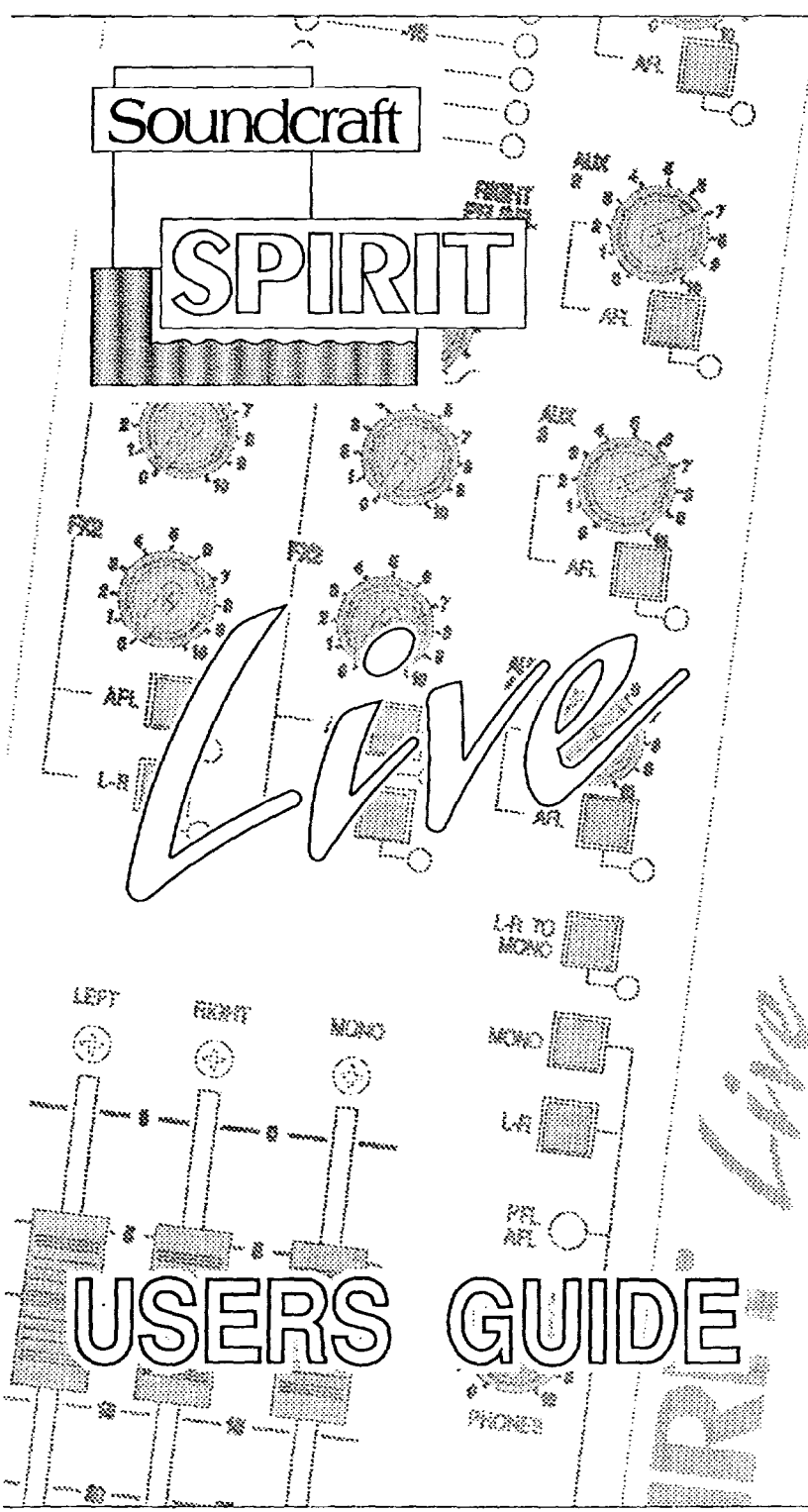
Live

USERS

GUIDE

SPIRIT

Live



## SPECIFICATIONS

Typical Figures for a 16 Channel Console

### NOISE

Measures RMS, 22Hz to 22kHz Bandwidth

Line inputs selected at unity gain and terminated 150R

### BUSS NOISE:

	<i>Masters down</i>	<i>Masters up, nothing routed</i>	
Mix Left	-99dBu	-97dBu	
Mix Right	-99dBu	-97dBu	
Mono	-99dBu	-98dBu	
Aux 1	-100dBu	-90dBu	
Aux 4	-100dBu	-91dBu	
<i>Masters up</i>	<i>1 Ch. routed</i>	<i>8 Ch. routed</i>	<i>16 Ch. routed</i>
Mix Left	-93dBu	-85dBu	-81dBu
Mix Right	-93dBu	-85dBu	-81dBu
Mono	-93dBu	-85dBu	-82dBu

### E.I.N.

Microphone Input,  
Maximum Gain, terminated 150R -129dBu

### C.M.R.R.

Measured at 1kHz

Microphone Input at maximum gain -90dB

Line Input at unity gain -55dB

### DISTORTION

THD measured 1kHz at +20dBu, 20Hz to 20kHz Bandwidth

Line in to Mix Out > 0.006%

Line in to Mono Out > 0.006%

Line In to Aux Out > 0.006%

**CROSSTALK**

Measures 1kHz Sine Wave

Routing Isolation &gt; 100dB Mix L/R &amp; Mono

Max. Fader Attenuation &gt; 90dB typical

Max Aux Send Attenuation &gt; 90dB typical

**FREQUENCY RESPONSE**

Measured 20Hz to 20kHz Bandwidth, relative to 1kHz

Mix Left/ Right Outputs +/- 0.5dB

Mono Outputs +/- 1dB

Aux Outputs +/- 0.5dB

**INPUT & OUTPUT IMPEDANCES**Microphone Input > 2k $\Omega$ Line Input > 10k $\Omega$ Insert Sends 75 $\Omega$ Insert Returns 10k $\Omega$ Outputs 75 $\Omega$ **INPUT & OUTPUT LEVELS**

Mic Input Maximum Level +10dBu

Line Input Maximum Level +30dBu

Mix Out Maximum Level +21dBu

Mono Out Maximum Level +21dBu

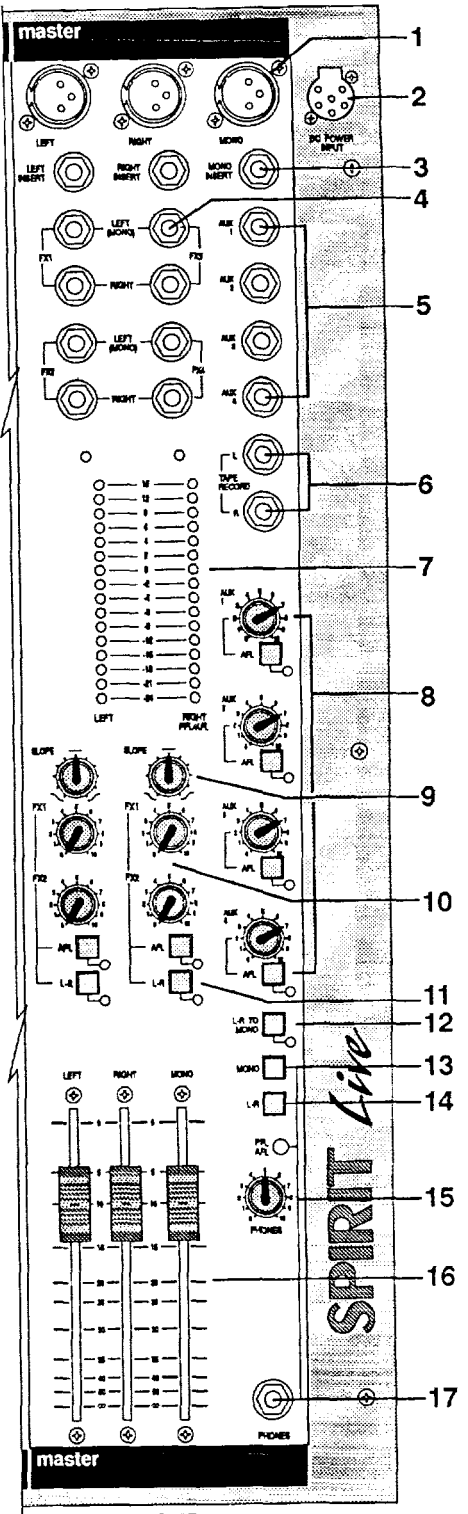
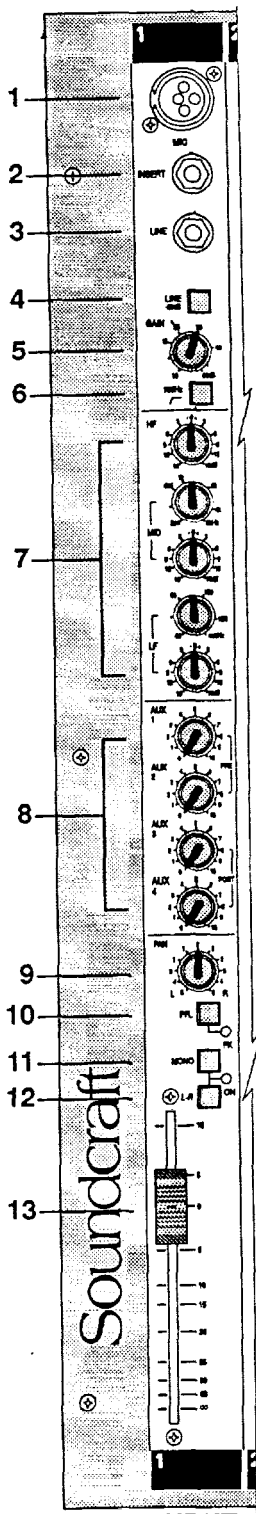
Aux Out Maximum Level +21dBu

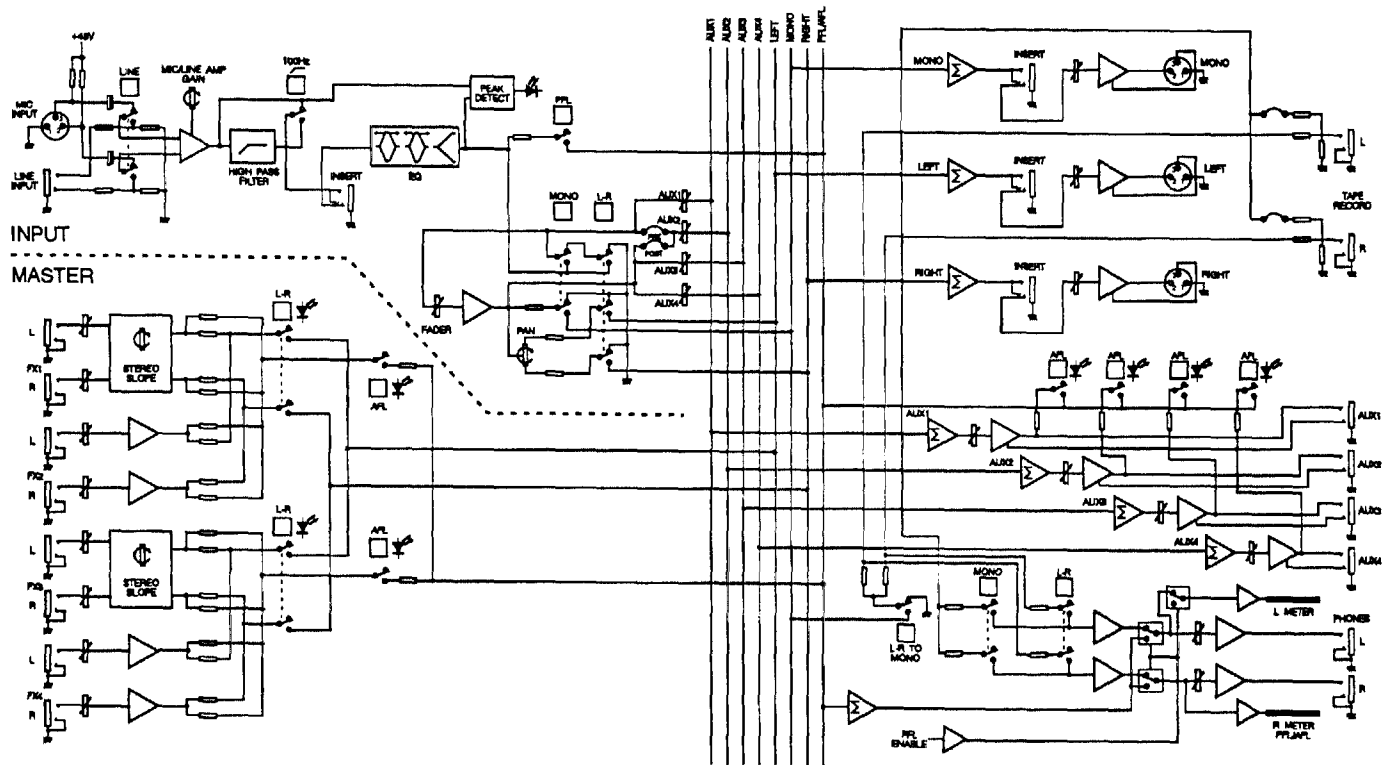
**METERING**

16 Segment LED Bargraph

Selectable PEAK or AVERAGE Reading

Accuracy Relative to 0dB +/- 1dB





**SYSTEM BLOCK DIAGRAM**