

RECYCLED AUDIO



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SYSTEM ELECTRICAL INSTALLATION POWER REQUIREMENTS

So what is the day to day power consumption of an SSL? This is pretty easy to calculate based on an average value of 35 Watts per channel. This value is worked out based on a 48 channel 4000 series console with VU meters, the actual consumption per channel will obviously be slightly less for a larger console and slightly more for a smaller console due to the relative size of the centre section.

Some typical values would be: 4048 - 1700 Watts, a 4040 – 1500 Watts, a 4056 – 1900 Watts.

The tables below show the peak values used by the console on initial power up ie: for fuses, trips etc. and these values you need to consider when planning the electrical power supply installation.

SECTION OF CONSOLE	TOTAL CONSUMPTION	DISSIPATION IN CONSOLE	DISSIPATION IN RACK
4000 G SERIES CENTRE SECTION	160	80	80
6/8000 G SERIES CENTRE SECTION	260	130	130
BLOCK OF EIGHT CHANNELS	400	200	200
BARGRAPHS (TOTAL)	400	200	200
STUDIO COMPUTER	950	N/A	950

CONSOLE	TOTAL CONSUMPTION	DISSIPATION IN CONSOLE	DISSIPATION IN RACK
4032J (COMPUTER & BARGRAPHS)	3110	1080	2030
6/8032 (COMPUTER & BARGRAPHS)	3210	1130	2080
4040E (COMPUTER & BARGRAPHS)	3510	1280	2230
6/8040 (COMPUTER & BARGRAPHS)	3610	1330	2280
4048 (COMPUTER & BARGRAPHS)	3910	1480	2430
4056 (COMPUTER & BARGRAPHS)	4310	1680	2630
4056 (COMPUTER & VU METERS)	3910	1480	2430
4064 (COMPUTER & VU METERS)	4310	1680	2630
4064 (COMPUTER & BARGRAPHS)	4710	1880	2830
4072 (COMPUTER & BARGRAPHS)	5110	2080	3030
4080 (COMPUTER & BARGRAPHS)	5510	2280	3230
6/8048 (COMPUTER & BARGRAPHS)	4010	1530	2480
6/8056 (COMPUTER & BARGRAPHS)	4410	1730	2680
6/8056 (COMPUTER & VU METERS)	4010	1530	2480
6/8064 (COMPUTER & BARGRAPHS)	4810	1930	2880