

SBM90 On Air mixer

Specifications

General:

- Voltages in dBu are referred to 0 dBu = 0.775 Volt RMS.
- Fader positions are at 0 mark.
- Nominal output level is +6 dBu.
- Outputs are loaded with 600 Ohm.
- External sources have an impedance of 200 Ohm.
- Data given are valid from 40 Hz to 15 kHz.
- Noise measurements are unweighted, RMS, 22 Hz to 22 kHz.
- Signal to noise ratios are referred to +6 dBu.

Inputs:	Min gain	Max gain	Impedance	Balance
Mic low gain	+28 dB	+56 dB	2 kOhm	55 dB
Mic hi gain	+50 dB	+76 dB	2 kOhm	55 dB
Line	-3 dB	+18 dB	40 kOhm	50 dB
Telephone	+ 10 dB	+30 dB	600 Ohm	40 dB
Outputs:	Nom level	Max level	O/P imp	Balance
Main L/R	+ 6 dBu	+21 dBu	50 Ohm	30 dB

Equalizer and filters:	HF	+/- 6 dB @ 10kHz
	MF	+/- 6 dB @ 3 kHz
	LF	+/- 6dB @ 60Hz
	HP filter	12 dB/oct @ 80 Hz

Frequency response: 0/-1 dB (20 Hz - 20 kHz)
 Headroom: > 20 dB

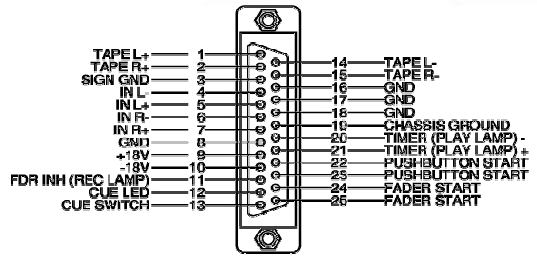
Crosstalk: Interchannel crosstalk: < - 100 dB (fader damping)
 Stereo crosstalk: < - 60 dB (stereo channels)
 Mono crosstalk: < - 60 dB (panpot damping)

Signal to noise ratio:
 Output noise: < - 87 dB (all faders closed)
 < - 85 dB (one channel @ 0 dB)

Eq. input noise: < - 125 dBu (mic maximum gain)
 Distortion: Mic or line input @ nominal output level: < - 66 dB
 limiter: Threshold: + 6 dBu
 Attack time: 10msec
 Release time: .3 to 3 sec program controlled
 Ratio: 40 : 1

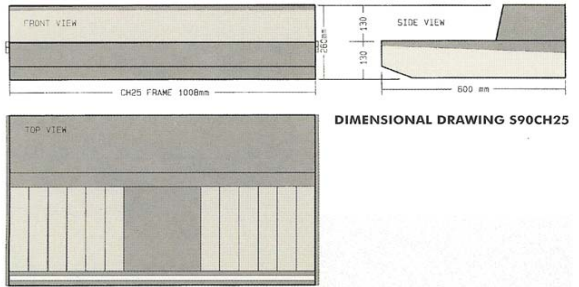
Meters: 19 segment LED PPMs with DIN ballistics
 Power supply: 19" rackmount unit, 2HE Input: 110 or 220 Volt
 Outputs: + 18 Volt @ 2 A min.
 - 18 Volt @ 2 A min.
 + 48 Volt @ 25mA min.

SBM90 UMC connector layout.
 A combination of input/output connections, allowing any type of line level source to be connected to the console with full function remote control and signaling.



THE SBM90 IS AVAILABLE IN ONE FRAME
 VERSION: CH25 FOR MAX. 17 INPUT CHANNELS

DIMENSIONS:



Wide: 1008 mm
 Deep: 600 mm
 high: 260 mm