

Orb 822 SC

8 channel mixer



FEATURES :

- Professional 8 channel audio mixing console with 8 mic / 10 line inputs.
- MON: Ster (mono-stereo) inputs for full flexibility.
- Gain with ultra low-noise preamps with wide headroom and dynamic range.
- One Knob Compressor on 2 channels.
- Built-in multi-EFX processor with 24 DSP presets and editable parameters.
- Provisions to route EFX to monitor via Aux 1.
- Dual USB audio interface with plug & play connectivity for recording and playback using a PC.
- USB MP3 media player & recorder with Bluetooth.
- Level control, 2-band EQ with internal/external media input selection.
- 4-band EQ on all inputs.
- Insert (send/return) on first 3 mono channels and master output.
- 3 Aux sends (2 pre/post & 1 post) with stereo Aux returns.
- 2 sub groups with individual 1/4" outputs.
- Balanced XLR and 1/4" jack main outputs.
- Mute, solo, group (G1-G2) and main (L-R) routing per channel.
- Peak, comp, mute and solo LEDs per channel.
- Stereo RCA input and record output.
- 7-band stereo graphic equalizer on main output.

SPECIFICATIONS :

Series	Orb Series
Nominal Gain (Mic / Line / Stereo Line)	60dB / 40dB / 20dB
Max Gain (Mic/Line/Stereo Line)	80dB / 60dB / 40dB
Mic (Gain Min/Gain Max)	-10dBu / -60dBu
Line (Gain Min /Gain Max)	+10dBu / -40dBu
Stereo Line (Gain Min /Gain Max)	+10dBu / -20dBu
Aux Return (Nominal / Max)	-10dBu / +30dBu
Main Output (Nominal / Max)	0dBu (0.775V RMS) / +20dBu (7.75V RMS) Max
Insert In/Out (Nominal / Max)	0dBu (0.775V RMS) / +20dBu (7.75V RMS) Max

Mic Input Impedance	5 KOhm Balanced
Line Input Impedance	20KOhm Balanced / 10KOhm Unbalanced
Frequency Response	20Hz-20kHz (+0 / -1dB)
Total Harmonic Distortion	< 0.02%
MIC EIN (Equivalent Input Noise)	-128dB
Main Out/Group Out	-80dB
Mono MIC (Hi / Hi-Mid / Low-Mid / Low)	±15dB @ 12kHz / 2.5kHz / 400Hz / 80Hz
Stereo Line (Hi / Hi-Mid / Low-Mid / Low)	±15dB @ 12kHz / 2.5kHz / 400Hz / 80Hz
Dimension (W x D X H) mm	500 x 490 x 160
Net Weight	6.5

Specifications from the official SM Professional literature. Issued for customer reference.