

Orb 1822

DESCRIPTION :

The SM Professional Orb 1822 is a premium mixing consoles integrating state-of-the-art One Knob compression, DSP-based dual multi-EFX processor, built-in USB MP3 media player and recorder and a host of inputs, outputs and routing options.



FEATURES :

- Professional audio mixing consoles with 18 mic / 20 line inputs.
- MON:STER (mono-stereo) inputs for full flexibility.
- One Knob Compressor on channels 1-8.
- Ultra low-noise preamps with wide headroom and dynamic range.
- Dual multi-EFX processor with 24 DSP presets and editable parameters.
- Provisions to route EFX to monitor via Aux 1 and Aux 2.
- Built-in USB MP3 media player and recorder with Bluetooth.
- Level control, 2-band EQ with internal/external media input selection.
- 75Hz low cut on mono channels.
- 4-band EQ on all inputs.
- 5 Aux sends - Aux 1-3 (with pre/post selection) and Aux 4-5 (post only).
- Stereo AUX returns.
- Balanced XLR and 1/4" jack main outputs.
- 2 sub groups with individual 1/4" outputs.
- Insert (send/return) on first 4 mono channels and main output.
- 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.
- Headphone output with level control.
- Globally switched +48V Phantom power supply.
- Responsive 60mm faders.
- 7-band stereo graphic equalizer on main output.
- Dual 10-segment LED meter for main, group and solo outputs.
- Ergonomic angled-design for better visibility.
- Clutter-free rear panel input and output connectivity.

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
Clip indication	5dB prior to true clip
Main Output, Group Output, Aux Send, Record Out (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	5KOhm Balanced
Line Input Impedance	20KOhm Balanced / 10KOhm Unbalanced
Frequency Response	20Hz-20kHz (+0 / -1dB)
Total Harmonic Distortion	< 0.02%
Cross-talk	-80dB
MIC EIN (Equivalent Input Noise)	-128dB
Main Out/Group Out	-80dB
Aux Send	-70dB
Record Out	-77dB
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
7-Band Stereo Equalizer	±12dB @ 15kHz / 6.4kHz / 2.5kHz / 1kHz / 400Hz / 150Hz / 63Hz
Low Cut	-3dB @ 75Hz
Effects	24-bit/48kHz Sampling Rate 2 x 24 DSP Presets
Phantom Supply	+48V
Power Supply	150V-240V / 50Hz
Fuse	2A 250V AC
Power Consumption	22W Max
Dimensions (W x D x H) mm	820 x 490 x 160
Net Weight (Kg)	13

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