# Orb 1222

## DESCRIPTION :

The SM Professional Orb 1222 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 12 mic / 14 line inputs.
- MON:Ster (mono-stereo) inputs for full flexibility.
- One Knob Compressor on channels 1-5.
- 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 ¼" jack main outputs.
- 2 sub groups with individual ¼" 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 :

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|---|---|
| Series | Orb Series |
| Nominal Gain (Mic / Line / Stereo Line) | 60dB / 40dB / 20dB |

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| 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 | -70dB |
| 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 | 19W Max |
| Dimensions (W x D x H) mm | 630 x 490 x 160 |
| Net Weight (Kg) | 10 |

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