

Orb 622SC

Premium Mixing Consoles



Overview

The Studiomaster Professional Orb 622 SC is a compact 6 channel live mixer from the premium Orb series mixing consoles. Featuring 6 mic inputs, 2 AUX busses, One Knob Compressors (on 2 channels), USB media player with Bluetooth, dual USB audio interface phantom power supply and more, the Orb 622 SC is a value-driven console for compact mixing applications.

Key Features

ORB 622 SC - Compact 6 Channel Mixing Console

**ONE
KNOB**
COMPRESSOR

ON 2 INPUTS



**RICH MULTI-EFX
PROCESSOR**



MULTI-EFX
DSP



HIGH RES.
SAMPLING RATE



24 DSP
PRESETS



EFX TO MON
ROUTING



HIGHER
EFFECTIVE
GAIN



REDUCE
EQUIPMENT
DAMAGE



EVEN
SIGNAL
LEVELS



MAKES LOUD
SIGNAL SOFTER
& SOFT SIGNALS LOUDER

PROFESSIONAL-GRADE FEATURES

- Globally switched +48V phantom power supply
- Ultra low-noise preamps with wide headroom and dynamic range
- Responsive 60mm faders



HIGH DEFINITION
PREAMPS



PHANTOM POWER



60mm FADERS

STYLISH, INTUITIVE & ERGONOMIC

- Angled for visibility
- Rear panel input/output
- Classy side cheeks



ABUNDANT INPUT & OUTPUT CONNECTIVITY

- 6 channels: 6 mic / 8 line inputs
- MON-Ster (mono-stereo) inputs for full flexibility
- 75Hz low cut on mono channels
- 3-band EQ on all inputs
- 2 Aux sends (1 pre/post & 1 post) with stereo Aux returns
- Insert (send/return) on first 2 mono channels and master output



All Features



- 6 channels: 6 mic / 8 line inputs.
- MON:ter (mono-stereo) inputs for full flexibility.
- One Knob Compressor on 2 channels.
- Ultra low-noise preamps with wide headroom and dynamic range.
- Built-in multi-EFX processor with 24 DSP presets and editable parameters.
- Provisions to route EFX to monitor via Aux 1.
- Built-in USB MP3 media player and recorder with Bluetooth.
- Dual USB audio interface with plug & play connectivity for recording and playback using a PC.
- 75Hz low cut on all channels.
- 3-band EQ on all inputs.
- 2 Aux sends - 2 pre/post and 1 post / EFX.
- Stereo AUX returns.
- Balanced XLR and 1/4" jack main outputs.
- 2 sub groups with individual 1/4" outputs.
- Insert (send/return) on the first 2 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.
- Comp LED on first two mono channel.
- Stereo RCA input and record output.
- Headphone output with level control.
- Globally switched +48V phantom power supply.
- Responsive 60mm faders.
- 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.

Technical Specifications

Parameter	Specifications
Nominal Gain (Mic / Line / Stereo Line)	60dB / 40dB / 20dB
Max Gain (Mic / Line / Stereo Line)	80dB / 60dB / 40dB

Input Output Levels

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

Output Levels

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

General

Mic Input Impedance	5 KΩ Balanced
Line Input Impedance	20KΩ Balanced / 10KΩ Unbalanced
Frequency Response	20Hz-20kHz (+0 / -1dB)
Total Harmonic Distortion	< 0.02%
MIC EIN (Equivalent Input Noise)	-128dB
Main Out/Group Out	-80dB

Equalisation

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
Dimensions (W x D x H) mm	370 x 355 x 100
Net Weight (Kg)	4

Dimensions



Support

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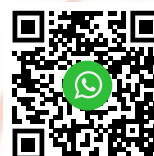
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