

## Orb 1222

Premium Mixing Consoles



### Overview

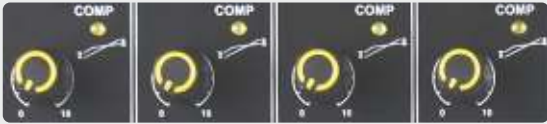
The Studiomaster Professional Orb series is a range of premium mixing consoles integrating state-of-the-art One Knob compression, DSP-based dual multi-EFX processor, built-in USB MP3 media player and recorder and a host of inputs, outputs and routing options.

## Key Features

### One Knob Compressor

Benefits of One Knob Compression

- Higher effective gain
- Reduced equipment damage
- Even signal level
- Makes loud signals softer and soft signals louder



### USB MP3 Media Player & Recorder

USB  
ENABLED

mp3

REC  
Recording

Bluetooth



### Built-in USB Audio Interface



PLAYBACK  
RECORDING

PLUG  
& PLAY

### Dual Multi-EFX Processor



Multi-EFX  
DSP



High Res.  
Sampling Rate



24 DSP  
Presets



EFX to MON  
Routing

1 REV HALL 1	15 VOCAL ECHO
2 REV HALL 2	16 KARAOKE
3 REV ROOM 1	17 PHASER
4 REV ROOM 2	18 FLANGER
5 REV STAGE 1	19 CHORUS 1
6 REV STAGE 2	20 CHORUS 2
7 REV PLATE	21 SYMPHONIC
8 DRUM AMB	22 TREMOLO
9 EARLY REF	23 AUTO WAH
10 GATE REV	24 RADIO VOICE
11 SINGLE DLY	25 DISTORTION
12 DELAY	26 PITCH CHANGE

### Professional-Grade Features



HIGH DEFINITION  
PREAMPS



PHANTOM POWER



60MM FADERS

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

### 5 Aux Sends

- 3 pre/post & 2 post
- Stereo Aux returns



### Stylish, Intuitive & Ergonomic

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



### 7-Band Stereo Graphic Equalizer



### Abundant Input, Output & Routing Options



- MON: Ster (mono-stereo) inputs for full flexibility.
- 75Hz low cut on mono channels.
- 4-band EQ on all inputs.
- 2 sub groups with individual 1/4" outputs.
- Insert (send/return) on first 4 mono channels and main output.

## All Features



- 12 mic / 14 line inputs
- MON:ter (mono-stereo) inputs for full flexibility.
- Ultra low-noise preamps with wide headroom and dynamic range.
- 75Hz low cut on mono channels.
- 4-band EQ on all inputs.
- 5 Aux sends - 3 pre/post and 2 post.
- 2 sub groups with individual 1/4" outputs.
- Insert (send/return) on first 4 mono channels and main output.
- Globally switched +48V phantom power supply.
- Responsive 60mm faders.
- One Knob Compressor on channels 1-5.
- 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.
- Stereo AUX returns.
- 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.
- Headphone output with level control.
- 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.

## 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	630 x 490 x 160
Net Weight (Kg)	10

## Dimensions



## Support

For sales, support, pricing and availability:  
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