MIXING CONSOLES

DIGICO SD7Q QUANTUM CONSOLE SURFACE, STEALTH CORE-2, T-SOFTWARE



The fastest, smartest console ever created, Quantum 7 delivers the functionality, audio performance and sheer scale required to deliver the largest productions now and in the future. With Quantum 7, you have the power to tackle any challenge and truly own the room. Built to exceed the ambitions of tomorrow's touring productions, Quantum 7 breaks the barrier of seventh generation FPGA technology to deliver a dramatic leap forward in power and connectivity. All of this can be added to your existing SD7 surface, ensuring rental partners benefit from an even longer return on investment. The result is a revolution of possibilities that towers above every other mixing platform available today.

Quantum – The Power of Three

Where once it was impossible to efficiently build an engine with more than one FPGA, now Quantum 7 brings you the extraordinary might of three large-scale FPGAs working in unison. Inside the Quantum engine, up to 2,000 channels can be transported across 688 processing paths at 96kHz. New GTX ports run at 6.6GHz while simple two wire connections ensure the fastest possible data speeds to reach a new pinnacle in mixing capability. Fully scalable and designed to communicate seamlessly with the next generation of FPGAs, the Quantum engine is a uniquely formidable platform for an ambitious industry.

Under The Hood

Quantum 7 places the world's most flexible and feature-rich mixing experience at your fingertips. Standard channel processing across both

inputs and outputs includes Channel Delay, DiGiTuBe, Single and Multi-Channel Presets, Dual insert points, Hi- and Lo-pass filters at 24dB/octave, four-band parametric EQ (eight on outputs) with band curve selection and Dynamic EQ on each band, DiGiCo's DYN 1 (Compressor, De-esser or Multiband Compressor) and DYN 2 (Gate, Compressor or Ducker).

All of this is before the arrival of Mustard Processing, a fully integrated suite of additional processing that can be assigned to any strip to boost your mix with a range of modelled preamps, vintage dynamics units and EQ sections, all only a touch away.

The master section incorporates 48 gangable 48 band graphic EQs, 48 stereo effects, and 36 control groups (VCAs); using snapshots, you can now switch between complete configurations in any live environment more quickly and easily than ever before, be it during rehearsals, set-up or even mid-show.

In addition, 128 busses are assignable as mono/stereo groups or auxiliaries, while a 48×48 output matrix, dual solo busses with True Solo, and a LR/LCR/5.1 Master buss is available for even deeper configurability.

Last but not least, with the inclusion of patented Nodal Processing, engineers now enjoy more creativity than was previously possible – for the first time, processing can be applied to any node on the auxiliary section of the console, allowing engineers to send unique processing on each send from single or multiple channels.





Features:

- Processing Channels Up to 432 (combination of Input Channels / Aux / Solo Group Busses)
- Busses Up to 128 Aux / Group busses with full processing Mono / Stereo / LCR / 5.1
- Matrix Up to 48 Input / 48 Outputs with full processing
- Control Groups Up to 36, selectable for VCA-style, Moving fader, Mute Group
- Graphic Eq 48 x 32-band, Gain +/- 12dB
- Internal FX Up to 48 stereo effects comprising 16 floating point reverbs and 32 delay/chorus/pitch/enhancer
- Local I/O 12 x mic/line I/O, 12 x AES I/O
- 8 x MADI interfaces @ 48kHz, 4 redundant interfaces @ 96kHz, BNC connectivity
- Standard Optocore (Dual Loop – Optional)
- Sampling rates 48kHz / 96kHz
- Redundancy Internal removable engines

Orbital Sound Ltd, 57 Acre Lane,
Brixton, London, SW2 5TN,
United Kingdom,
Tel: +44 207 501 6868
hire@orbitalsound.com
www.orbitalsound.com