OXYGEN 3000

Digital Broadcast Console *Rev 1.4*

HIGHLIGHTS

- Fully digital broadcast mixing console
- Near 0 latency (< 0,7 ms I/O)
- Signals routing
- 10-fader self-contained with 7'' display
- 5 microphones inputs
- 8 stereo inputs
- 7 stereo outputs
- 1 built-in telephone hybrid, 1 telco
- 1 digital In/Out (AES EBU)
- 2 USB audio interface
- 4+1 busses (PGM, SUB, PFL, Aux1, Aux2)

- Bluetooth
- Preset recall
- User-definable smart keys
- 5 band parametric EQ + Dyn processor
- Webpage configuration
- TalkBox for guest and presenter*
- HDMI Out*
- 2 built-in media player*
- Streaming I/O*
- Redundant PSU*
- High customizable RGB coloured smart buttons

*optional

PRODUCT OVERVIEW

Oxygen 3000 is the new concept digital console and defines a new standard in the broadcast market.
Characterized by an elegant design and compact size, Oxygen 3000 has been designed for both On Air and Production studios.

Oxygen 3000 is based on digital technology with DSP audio processing to deliver high-end quality, latest features and flexibility with ease of use.
Oxygen 3000 is the number 1 of the category at the best quality/price ratio.

Oxygen 3000 is a powerful and compact unit featuring 10 faders, meters for each single channel, built-in 7" display for settings, wide range of connectivity and accessories in a rugged and classy steel chassis.
Easy and realiable as the analogue mixing consoles, Oxygen 3000 adds the value of the digital engine that grants a near 0 latency (< 0,7 ms I/O) and plenty of advanced functions as the the internal routing signal, customizable preset and easy recall, user defined smart keys, analog and digital I/O.

Inputs and Outpus

5 Microphones inputs
8 stereo inputs
7 stereo outputs
1 Digital In/Out (AES EBU)
4+1 busses (PGM, SUB, PFL, Aux1, Aux2)
5 band Full parametric EQ + Dyn Processor

USB audio interface

The USB audio interface allows to directly connect the PC to the Oxygen 3000 console, with no need for audio cards: in fact the PC detects the console as a digital audio card with 2 stereo inputs and 2 stereo outputs for simultaneous playout and recording.

Telephone Hybrid, Telco, BlueTooth

The built-in digital telephone hybrid allows direct connection of a telephone line POTS/PSTN on RJ-11C. The audio is processed via DSP that delivers a state-of-the-art audio processing. It's also available a Telco N-1 in/out, to connect Oxygen 3000 to an external telephone hybrid. The output Telco N-1 is always available on XLR male, while the input receiving line is placed in common to the Mic-5. TLC commands are available on SubD connector with Hook and Ring interface for external telephone hybrid.

GPIO

The console Oxygen 3000D has 12 GP 16 GP Out and In, which allow connection to OnAir signal lamps in accordance with the opening of a microphone channel, or provide start commands to external devices (Fader start).

Power Supply

Universal Power on IEC Schuko cord, thanks to the universal power supply switching with working voltage between 90Vac and 264Vac and frequency between 50-60Hz. This apparatus is able to adapt itself to the operating voltage of any country in the world.

HDMI – Media Player - Streaming I/O (*available as option)

Optional module that connects via Ethernet the mixer to any LAN/WAN environment to perform configurations using a common Web page. Moreover 2 USB-A type allowing connection with flash drives or compatible devices. Always using these USB ports, users can connect a mouse and a keyboard to configure the mixer without the help of an external PC. To complete the console, an HDMI port allows connection to a monitor to view additional job parameters, perform configuration and change operating parameters.

TalkBox

for guests and presenter.

Axel Technology Talkbox

OXYGEN 3000 INPUTS & OUTPUTS

Microphone Inputs:

Oxygen 3000 allows connection of XLR Female and RJ45 connector:
- Microphone inputs: 1-2-3-4-5 XLR Female, + 48V Phantom
- Inputs replicated from XLR to RJ45: 2-3-4-5, balanced with + 48V Phantom and GPIO
- Telco: Microphone No. 5 mutually exclusive

Analogue inputs lines:
- Line Inputs: 8
- Balanced inputs: 3 Line In XLR Female
- Unbalanced Inputs: 4 Line Up Pin Rca
- Aux Input: 1 Line In Jack 3.5mm shared between AUX-IN

Digital input line:
- Digital Input: 1 Input S / PDIF on XLR

Telephone hybrid and Telco:
- Telephone Hybrid: 1 POTS/PSTN telephone line with *Line.In* and *Tel.Set*
- Telco: 1 in/out N-1 to connect external telephone hybrid with control via TLC/GPIO

TalkBox
- Direct connection to TalkBox equipment: up to 2 TalkBoxes, 1 Guest and 1 Studio

Analogue Outputs:
- Line Outputs: 8
- Balanced outputs: 4 Line out on XLR male - PGM, SUB, AUX-1, AUX-2
- Unbalanced outputs: 2 Line out on Pin Rca - REC-1, REC-2
- Unbalanced outputs: 2 Line out on RCA Pin for Control Room and StudioSpeaker

Digital output:
- Digital Output: 1 output S/PDIF format on XLR

Headphones and local monitor outputs
- Monitoring: 2 headphones jack of 6.3mm and a 2W speaker for local monitoring
- Balanced outputs: 2 Line out on hj4s - phone (1 for studio and 1 for guest)

GPI:
- IN: 16 in total, for Talk back or other associated features.
- OUT: 12 total, to control OnAir lamps or Fader Start to external devices

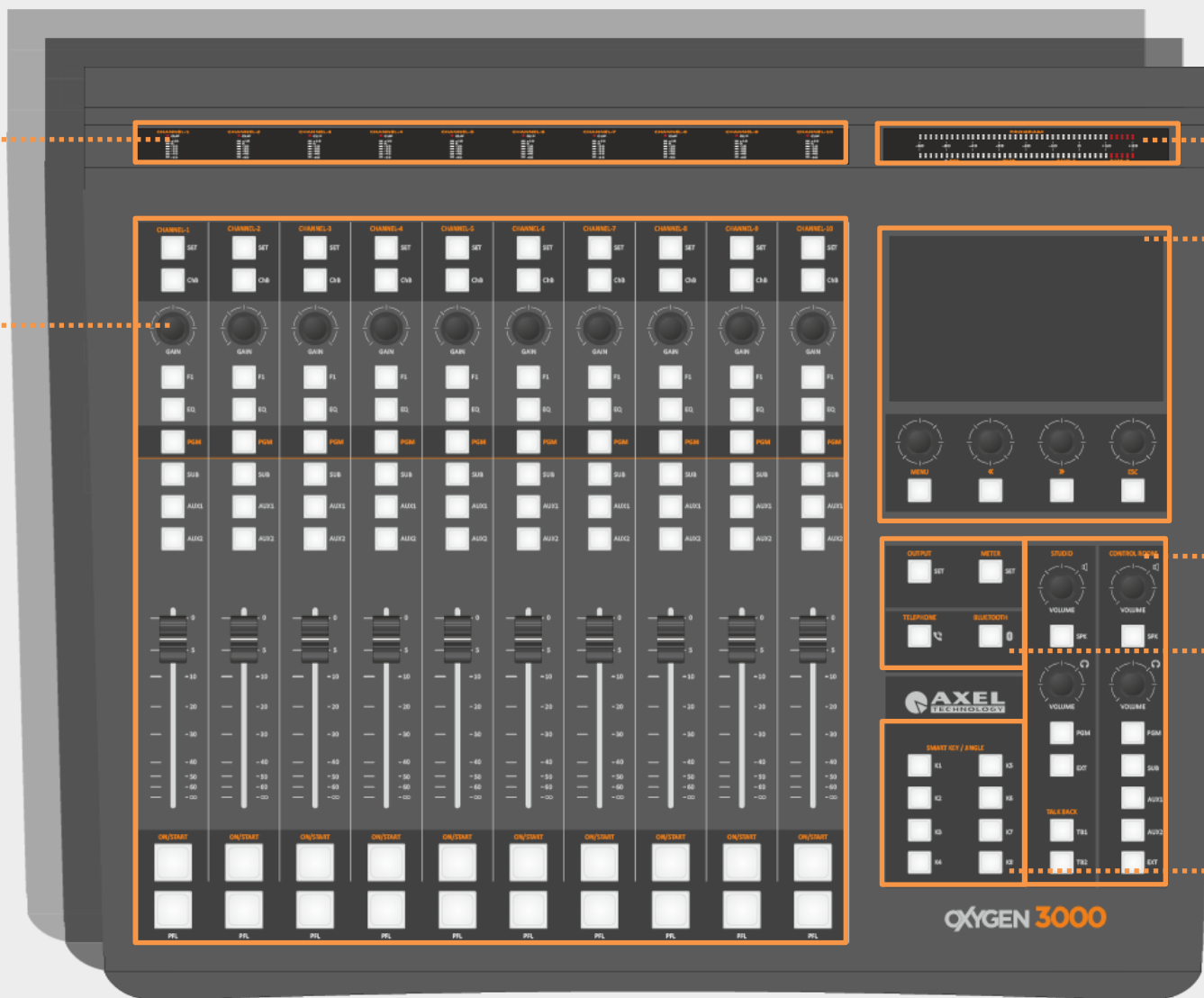**OXYGEN 3000 FRONT PANEL**

Input Led Meter

Output Led Meter

Display 7'' TFT for settings
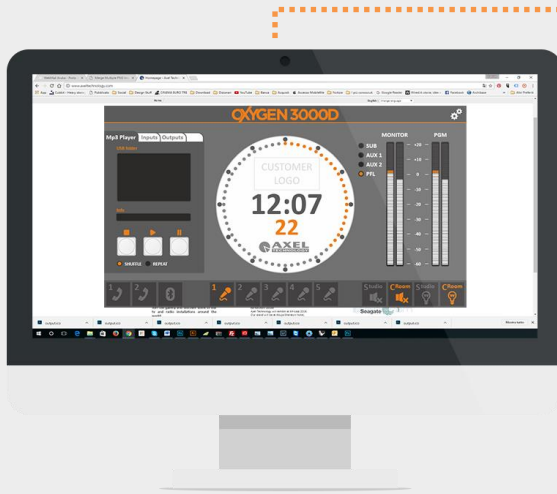
Control Input Channel

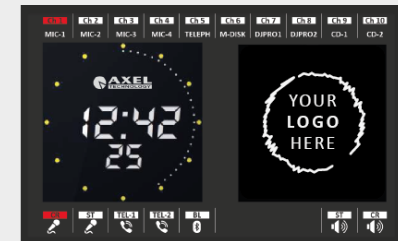Monitor Section

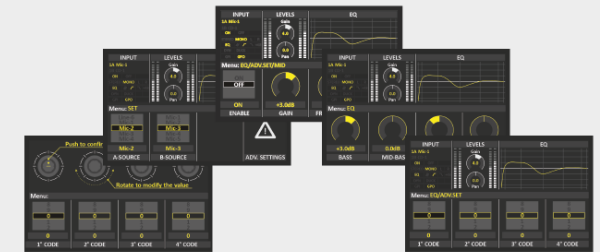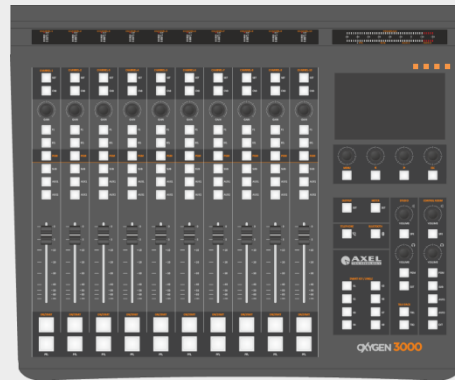Special Function Buttons

Smart Key / Jingle Buttons

OXYGEN 3000 INTERFACES

Webpage configuration

Built-in GUI Interface

OXYGEN 3000 REAR PANEL AND SIZE

660mm

540mm

141mm

ORDERING INFORMATION

MODEL	COMMERCIAL DESCRIPTION
OXYGEN 3000	Digital compact console with 10 faders. 5 Microphone In (+ 48V), 7 Analog In, 9 Analog Out, 1 S/PDIF In/Out, 1 TelHybrid/Telco, 2 stereo In/Out on USB-Audio. 1 USB configuration. Compressor, Equalizer. Control Room and Studio control. GPIO for Fader start and OnAir Lamp. Universal PSU.

MODEL	AVAILABLE AS OPTION
TALKBOX	Remote control units for talents and Guests. Functions On/Off Microphone and TalkBack. Dual headphone outputs with volume control, indication of OnAir (red) on front panel. 3 RJ45 ports, OnAir lamp external control on GPOut. Universal PSU 12Vdc included.
M. MEDIA PACK	Media Player + Streaming In / Out + HDMI out
REDUNDANT PSU	An extra power supply unit for redundant system, a "must have" for a broadcast mixer.