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# Oxygen 3000 Oxygen 3000 Dante

## Digital Broadcast Console

### ⊗ **THE BEST IN ITS CATEGORY,** FOR QUALITY AND FEATURES

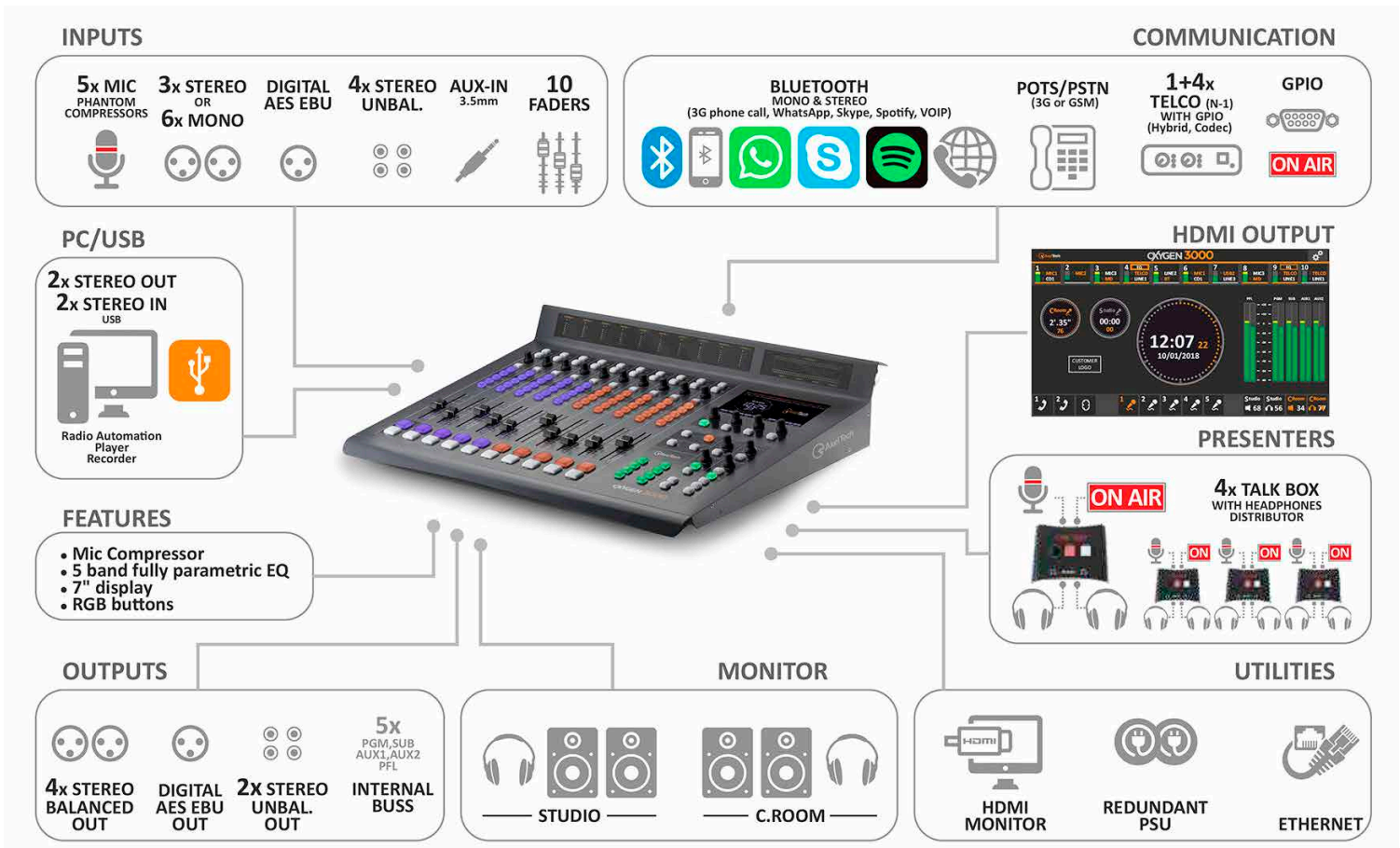
**Oxygen 3000** is the new concept digital console and defines a new standard in the broadcast market. Characterized by an elegant design and compact size, **Oxygen 3000** has been designed for both On Air and Production radio studios. **Oxygen 3000** is based on digital technology with DSP audio processing 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 reliable 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 internal routing signal, customizable preset and easy recall, user defined smart keys, analog and digital I/O.

# // Highlights



- » Fully digital broadcast mixing console
- » Near 0 latency (< 0,7 ms I/O)
- » Signals routing
- » 10-faders console
- » 4+1 busses (PGM, SUB, Aux1, Aux2, PFL)
- » User-definable Snapshot
- » 5 bands fully parametric EQ
- » Dynamic Processor on microphone inputs
- » Customizable RGB colored buttons
- » 7" Graphic Color Display
- » Control-Room and Studio Facilities
- » A/B Fast source switch buttons
- » 10 led meter bars for input source monitoring
- » High Resolution led meter bars for outputs (164 LEDs)
- » HDMI Out - Full HD connection for mixer monitor
- » 2 Timers (Control-Room and Studio microphones timers on HDMI Monitor)
- » Optional TalkBox for guest and presenter
- » Optional Redundant PSU





# Oxygen 3000

New sound in your Radio



## ⊗ INPUTS & OUTPUTS

### Microphone Inputs:

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

**Digital input line:** 1 AES/EBU Input on XLR

### Analogue Outputs:

- » Line Outputs: 6
- » Balanced outputs: 4 Line out on XLR - PGM, SUB, AUX-1, AUX-2
- » Unbalanced outputs: 2 Line out on RCA - REC-1, REC-2

### Headphones and local monitor outputs:

- » Balanced outputs: 2 line out on RJ45 for Studio Presenter and Studio Guest Headphones
- » Unbalanced outputs: 2 Line out on RCA for Control Room and Studio Speaker

- » Unbalanced outputs: 2 Lines out on Jack 6.3 for Control Room and Studio Headphones

### Analogue inputs lines:

- » Line Inputs: 8
- » Balanced inputs: 3 Line In on XLR
- » Unbalanced Inputs: 4 Line on RCA
- » Aux Input: 1 Line In Jack 3.5mm

### Telephone hybrid and Telco:

- » Telephone Hybrid: 1 POTS/PSTN telephone line with Line.In and Tel.Set connection
- » Telco: 1 in/out N-1 to connect external telephone hybrid with control via TLC/GPIO
- » 4 inputs/outputs N-1 on inputs STEREO 4/5 and outputs REC 1/2

**Digital Output:** 1 AES/EBU output on XLR

**GPI:** 12 in total, for Talk back, Telephone Hybrid or other features

**GPO:** 10 total, to control OnAir lamps or Telephone Hybrid

## // HDMI Output

The HDMI output in OXYGEN 3000 offer the possibility to connect a display monitor FullHD at the console. This feature provides multiple information on settings and operating levels. List of HDMI output display components.

- » Audio input source level
- » 4+1 BUS output level
- » A/B Sources assigned of 10 channels
- » Display ON-Air sources
- » Microphone On timer (control room & studio)
- » Large Clock
- » audio output level (Loudspeakers & Headphones)
- » OnAir microphone
- » Telephone active

The HDMI interface also offers the possibility for radio stations to upload their own logo on the graphic interface.

## ⊗ DETAILS

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

The built-in 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 mutually shared with Mic-5. TLC commands are available on SubD connector with Hook and Ring interface for external telephone hybrid. 4 inputs/

outputs N-1 on inputs STEREO 4/5 and outputs REC 1/2 are also available without GPIO controls.

Oxygen 3000 has a Bluetooth audio connection, this feature allows airing the phone calls via Skype, Viber, WhatsApp or a normal phone calls by a Smartphone and Tablet. Oxygen 3000 has two modes of audio connection, one bidirectional to support phone calls and a second one for streaming high quality stereo audio (A2DP), this last feature allows airing the music from smartphones and tablets.

GPIO: The Oxygen 3000 has 12 GPI and 10 GPO, which allow connections to OnAir signal lamps according the opening of a microphone channel, or provide HOOK and RING commands for external telephone Hybrid.

## ⊗ TALK BOX

It is a Console dedicated to the presenter or guests: it is possible to connect up to 4 units. The TalkBox offer a direct connection of the microphone and relative On-Air light, it is also possible to directly connect the studio's On-Air Light. The Talk Box has a headphone amplifier with two 6.3 mm outputs.

Through the two large backlit buttons it is possible to activate and deactivate your own microphone (On / Off / Cough) or enable Talk back to the console. This TalkBox is connected to the Oxygen 3000 via 2 RJ45 cables.

### **OXYGEN 3000 DANTE OPTION:**

**Oxygen 3000 Dante** adds to the standard Oxygen 3000 the Dante connectivity, maintaining all of the specifications. Specific features:

- » 2 Dante Stereo Inputs via dedicated Ethernet connection (RJ45)
- » 2 Dante Stereo Outputs via dedicated Ethernet connection (RJ45)



## ⊗ DISPLAY 7"

The OXYGEN 3000 has a 7" color graphic display for displaying all the airing parameters and for configuring all the device feature.

The large display combined with the 4 rotary knobs allow the fast and intuitive programming of all the mixer parameters. Oxygen 3000 have a very easy and intuitive programming interface has been specially designed.