

# **T-Series** consoles

Series T-8  
Rack



Series T-8 MB



TEC Award Winner  
2007



Series T-8



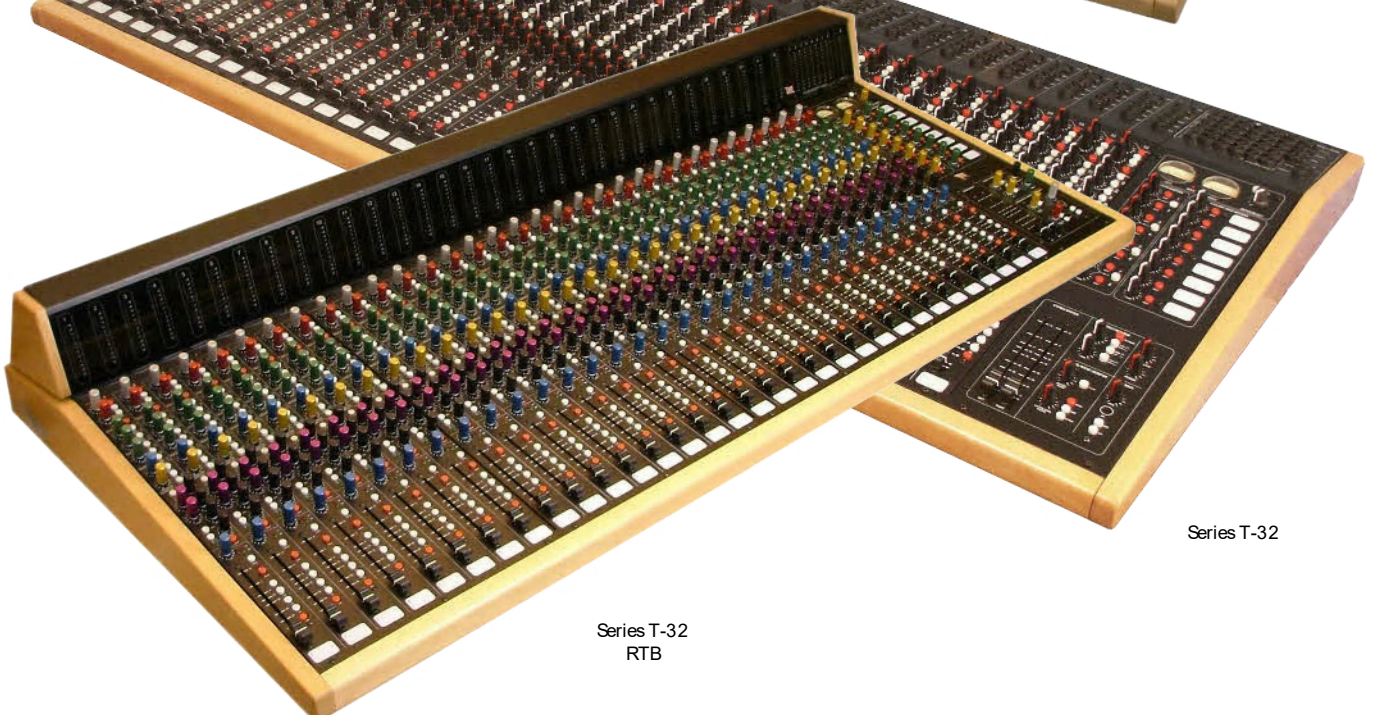
Series T-16 MB



Series T-24 MB



Series T-32



Series T-32  
RTB



British Equalisation - **“Series Twenty Four”** - Mixing Consoles

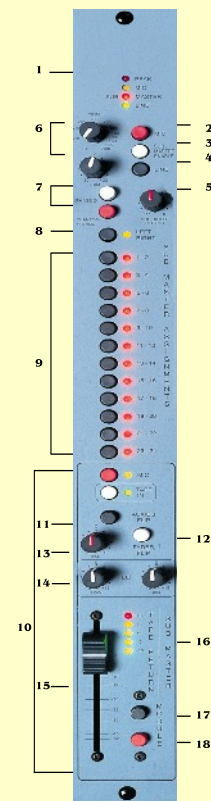
from

**John Oram**



## UPPER CHANNEL

1. Peak Light  
Comes on 16dB below clipping.
2. Mic Input  
Selected for Main channel.
3. Submaster Enable Switch  
Assigns channel to become a submaster.
4. Line Input  
Selected for Main channel.
5. Sub Direct Output  
Buss master level control.
6. Trim Controls  
Dual trimpots for Mic and Line.
7. Phase Reverse and +48VDC Phantom Power  
Switchable for every channel.
8. Left / Right Assign  
Separate left and right assignment switch.
9. LEDs  
LEDs on every submaster assign switch.
10. Sub Master / Tape Return Section  
Tape return/Submaster section can get its signal from Mic, Line or Tape when not in Submaster mode. This means another set of inputs with EQ and Auxiliary send access
11. Sub Master / AUX / EQ Flip  
Sends whatever is in the Tape return/Submaster section through the Main channel EQ section and one half of the Aux sends.
12. Sub Master / Tape Return Fader Flip  
Swaps the function of the short (60mm) fader and the long (100mm) fader in all modes.
13. Sub Master / Tape Return Pan Control  
Pan pot assigns whatever is in the Tape return/Submaster section to the L + R Stereo Buss.
14. Sub Master / Tape Return 2 Band EQ  
2 Band EQ Magic™.
15. Sub Master / Tape Return Fader  
60mm fader.
16. Sub Master / Tape Return LEDs  
5 segment LED ladder for visual level indication.
17. Sub / Tape Return L-R Buss Enable  
Connects this section (10) to the L-R Main Buss
18. Sub / Tape Return Solo  
Sends this section (10) to the Solo Buss



## BEQ SERIES TWENTY FOUR

19. Aux Sends  
Ten Aux sends per channel, 6 mono, 2 stereo, all switchable pre or post.
20. EQ Section  
Very musical sounding EQ Magic™; High and Low turnover shelves switchable at 7kHz & 12kHz and 50Hz & 150Hz, two sweepable mid bands from 150Hz to 2000Hz and from 1500Hz to 15kHz, a fixed High Cut at 9KHz, and a sweepable Low Cut from 5Hz to 200Hz.
21. EQ In / Out  
EQ in or out with LED indicator.
22. Pan Control  
Pan pot for Main channel.
23. Noise Gate  
A noise gate on every channel.  
The gate follows the Main 100mm fader.
24. Auto Mute  
Assignable group mute function.
25. Mute / Gate  
Indicator and switch.
26. Solo  
Solo is AFL/SIP.

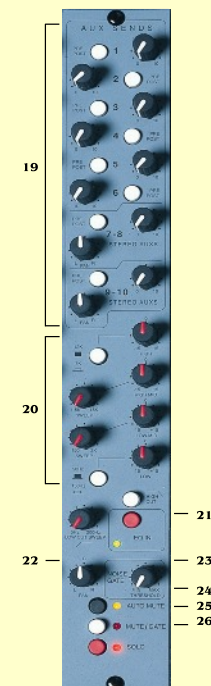
Fader Panel below Lower Channel

Channel Fader

Fader is a 100mm Alps as standard; Penny & Giles optional extra.

Channel LED Meter

8 Segment LED Bargraph for visual level indication.



## LOWER CHANNEL



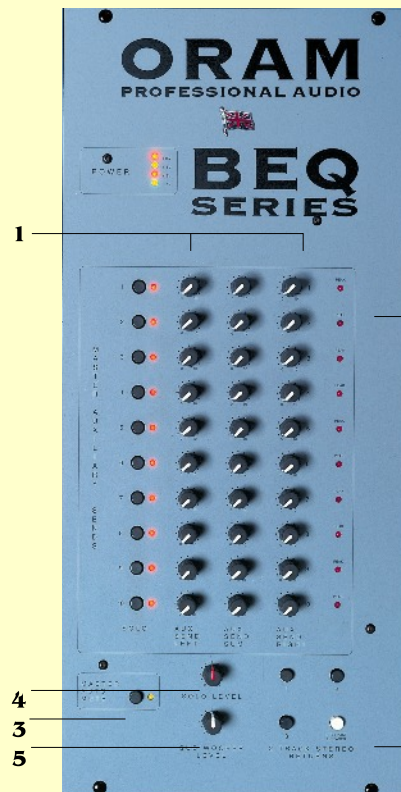
## John Oram

something of a legend in the professional audio industry, having designed audio electronics at VOX™ in the sixties and many great consoles for Trident™ and lately ORAM PROFESSIONAL AUDIO boards.

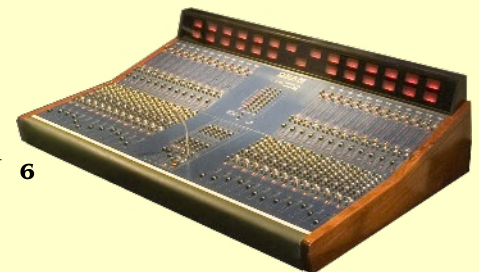
His latest range of consoles combine fifty one years in the music business, from musician and arranger, designer, engineer and producer. Qualifications envied by many and respected by many more, earning him the accolade by American audiophiles "The Father of British EQ".

The innovative **Oram series**® unique to all his designs is that secret ingredient that makes ORAM™ stand out from the rest.

## UPPER MASTER



1. Triple Split Master Auxiliary Sends Left, Right and Sum, to send signals to up to 30 effects processors or destinations.
2. Peak LEDs Shows output level status of all 30 Auxiliary sends.
3. Master Auto Mute When this button is depressed all channels will mute if their Auto Mute buttons are also depressed.
4. Solo Level Separate Solo Level control for balancing solo levels with the monitor mix level.
5. Subwoofer Level A mono sum of the Left and Right busses below 150Hz. Great for live sound work, theatre Special effects or the studio engineer can add a sub woofer to his existing monitor system without an active crossover.
6. Tape Inputs Three sets of 2 track tape inputs. These can also serve as additional pre/post fader line inputs.



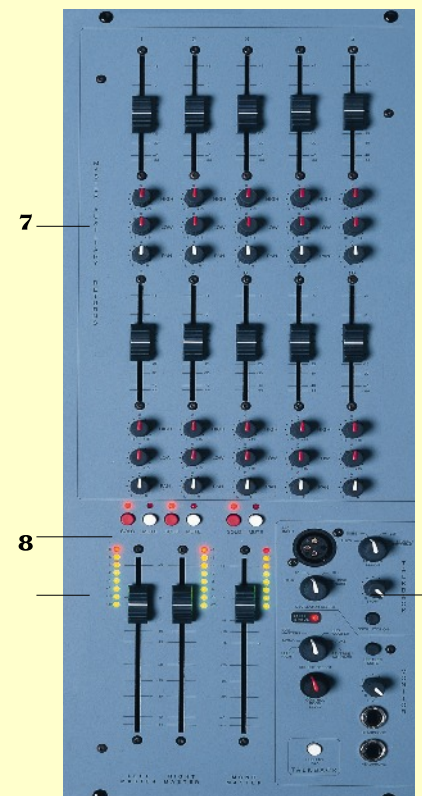
ORAM PROFESSIONAL AUDIO products are designed by a small dedicated team and assembled by professional, quality conscious technicians. Our facilities include:-

- Studio listening rooms for product appraisal
- Highest technology CAD/CAM systems for design
- Surface mount technology assembly facilities
- CNC routing and machining equipment for all our metalwork
- A dedicated quality assurance team who inspect the product before, during and after assembly. Q.A. measured with highest tech workstations and audio listening checks
- Highest quality components are used throughout our assemblies including our own design and manufactured control potentiometers and control knobs
- Highly qualified management personnel handling your product from initial specification, through ordering and production progressing with vast experience of import-export regulations and customs procedures to get your board to you in the simplest, fastest manner

It's my name on the product

John W. Oram

7. Master Auxiliary Returns All ten returns are panable and feature two band EQ Magic™.
8. Solo and Mute Both are featured on the left, right and mono busses.
9. LED Bar meters Peak responding LED's monitor output levels.
10. Talkback / Monitor Section Not only talkback, but a full two-way intercom. A three frequency plus Pink Noise test oscillator built-in. A six-way monitor source select switch, combined with a separate Control Room level with Speaker mute, gives flexibility. A powerful, dual output, Headphone amp is on-board as well. Push To Talk is momentary.



## LOWER MASTER

## Technical Specification

### **British Equalisation Series Consoles BEQ24, BEQ32 and BEQ40**

#### Input Impedance

Microphone: >1.2 k  $\Omega$  electronically balanced  
Line & Tape: >10 k  $\Omega$  electronically balanced

#### Output impedance

All outputs: <100  $\Omega$  electronically balanced

#### Gain

Microphone: +75 dB (input to group output)  
Line: +25 dB (input to group output)

#### Noise

Microphone: <-128 dBu e.i.n. ref 200  $\Omega$ , 20Hz to 22kHz  
Line: <-89 dBu (Eq in, direct output) wideband

#### Maximum Levels

Microphone input: +22 dBu wideband  
Line input: +22 dBu wideband  
All outputs: +28 dBu balanced, +22 dBu unbalanced

#### Distortion

Microphone: <0.008% THD (-50 dBu input, +14 dBu output)  
Line: <0.005% THD (+14 dBu input, +24 dBu output)

#### Frequency Response

Microphone: 20Hz to 20 kHz within 1 dB, -3 dB @ 45 kHz  
Line: 20Hz to 20 kHz within 1 dB, -3 dB @ 45 kHz

#### Crosstalk

Adjacent channel: -80 dB @ 1 kHz, -75 dB @ 15 kHz  
Adjacent group: -85 dB @ 1 kHz, -80 dB @ 15 kHz

#### Nominal level

0 V.U: +4 dBu

#### Dimensions

The height of all BEQ consoles, on stand is:-  
750mm (29.5") at the front fader panel  
960mm (37.8") at the rear to the overbridge top

The depth front to back is 1220mm (48")

The width from left to right is:-

BEQ24 - 1550mm (61")  
BEQ32 - 1931mm (76")  
BEQ40 - 2312mm (91")

Specifications may change in the interests of improvement

## **ORAM PROFESSIONAL AUDIO**

### **PRODUCTS**

are designed and manufactured in England

by

**ORAM PROFESSIONAL AUDIO LTD**

All trademarks acknowledged. BEQ™, EQ Magic™ and the ORAM SONICS® logo are the property of ORAM PROFESSIONAL AUDIO Ltd, and may not be reproduced without the express permission of that Company.



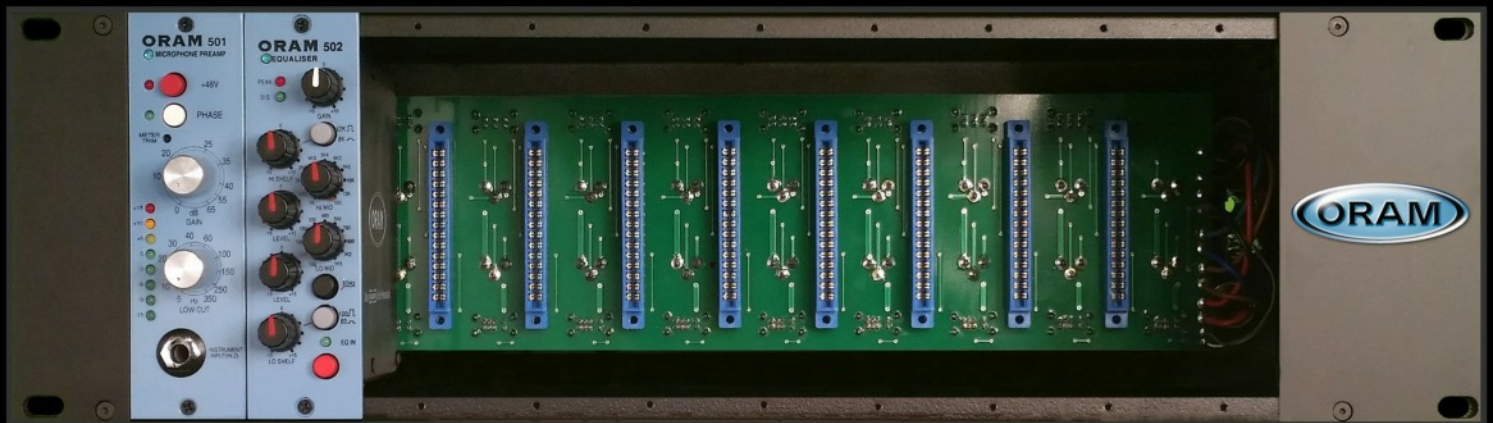


ORAM 500 Series modules are based on the standard API rack, but if you use our rack case you get a higher rail voltage for more headroom and better performance.

All electronic circuits are from the ORAM consoles, so the same mic pre's, the same EQ's and the Sonicomp compressor technology.

**AVAILABLE  
NOW!**

## THE ORAM 10 SLOT 500 SERIES RACK



10 SLOTS FOR 500 SERIES MODULES



**CALL OR EMAIL!  
FOR PRICE AND  
FURTHER DETAILS**

**6ch AND 8 ch VERSIONS  
AVAILABLE SOON.**

● **EXTERNAL LOW NOISE 1U PSU**  
(CAN POWER UPTO 3 RACKS)

● **CHAIN TOGETHER SLOTS WITH NO CABLES**  
ADJACENT CHANNELS CAN BE SWITCHED TOGETHER

● **BUILT-IN STEREO MONITOR/MIX BUSS**  
(EACH SLOT CAN BE SWITCHED TO LEFT, RIGHT OR DIRECT OUTPUT)



## 500 Series modules

To launch this range, order now for a deal that is

# AMAZING!!

ORAM 501 Mic Pre as used in our top format consoles

List: £495 Deal: £CALL

ORAM 502 EQ to my Series 80 design

List: £652 Deal: £CALL

ORAM 503 Limiter/ Compressor like our Sonicomp

List: £652 Deal: £CALL

Buy all three together:

List: £1799 Deal: £CALL

Contact: [john@johnoram.com](mailto:john@johnoram.com)





The original ORAM PRO 1993 rack that launched the range of products from John Oram, now re-issued and made in the same English factory. High quality analogue audio made with care and attention to detail, and built to last.



MWS - dual microphone work station

A supreme quality mic pre and EQ with our large-format console circuits. Studio, live and broadcast standard dual channel unit with calibrated metering and super headroom.



Hi-Def 35 - dual high definition Equaliser

Ultimate performance EQ from the British EQ expert. Usual John Oram headroom, low noise and incredible musical feel following all his World-Class parameters.



Sonicomp 2 - dual compressor/limiter

Precision limiter/compressor with unique optical & solid state attenuators for instant performance comparison. Calibrated quality VU metering for level and gain reduction



# ORAM DM16

## High Definition 16 channel Line / Summing Mixer



Dimensions of unit: Width = 720mm (28.34 ") Depth = 312mm (12.3") Height at front = 30mm (1.18")  
 Height at back = 62.5 (2.46")



### Fully Balanced input Stage

Accepts Line Levels up to +28dBu  
 Unity Gain centre detented with a gain swing of plus and minus 20dB

### Phase Reverse

### Fader Defeat

Disables the channel fader and sets the channel level at Unity so that level balancing can be controlled by the DAW

### Channel pan pot

### Channel Metering

3 Led Metering for setting channel level. Due to the incredibly high headroom available on this unit it is practically impossible for most DAW's D-to-A converters to distort the channel at unity gain

### Channel Mute

Mutes the channel output with an attenuation of more than -110dB

### Main fader

Quality 100mm main fader for manual mixing of levels outside your DAW



### Master Output VU's

Optimised for accuracy using servo drive circuitry these meters perform excellently as well as being pleasing to the eye

### Meter Mode

Attenuates the metering level by 10dB to accommodate the higher output levels required for DAW A to D inputs

### Monitor/Headphone Level

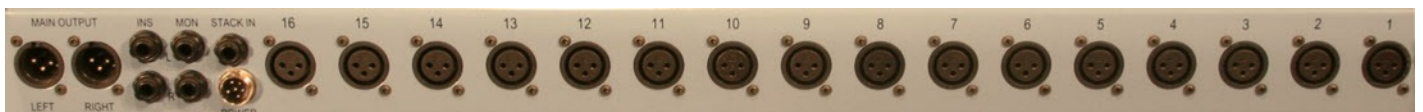
Sets the output level to both the monitor speakers and the headphone output

### Speaker Mute

Mutes monitor speaker and leaves headphones active

### Headphone output

Low distortion, low impedance output for all headphone types



### Rear panel I/O connections

The DM16 features 16 fully balanced line level inputs on XLR capable of handling input levels of +28dBu the main output XLR's and Monitor speaker TRS jacks have servo balanced drive circuitry with a max output of +28dBu  
 Insert points are provided pre the master faders for inserting EQ's, compressors etc  
 Stacking buss input for linking more DM16's or another mixer

Power for the unit is fed to the lockable power input connector from an ultra low noise external power supply unit

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## ORAM Monitor Speaker Series

The ORAM LS102 is a high quality monitor featuring two 4" low to mid drivers and one 1" dome tweeter. Ideal as a nearfield or midfield device.

Also available as a powered unit with inbuilt power amplifier.

The design features a magnetic screen built into the cabinet to shield speaker magnetism from close proximity computer monitor screens, perfect for the DAW user working in restricted studio space.

The power handling capability of the monitor is 50 watt RMS at 4 ohm and the dual gold plated speaker terminals allow for bi-wiring. The monitors are finished in black veneer with white cones and are perfect for stereo near-field and surround applications.

The frequency response is from 30Hz to 22kHz with a very low distortion rating.

Measuring 17" by 12" by 7" and weighing 20 pounds each, the speakers are available now for £CALL GBP per pair.

