



Yamaha O2R Specifications

Frequency Response	20 Hz to 20 kHz
Dynamic Range	105 dB typical
A/D converter/ Input channels	20 bit linear 64 times oversampling
D/A converter/ Stereo out	20 bits linear 8 times oversampling
D/A converter/ Control room	20 bits linear 8 times oversampling
D/A converter/ studio monitor	18 bits linear 8 times oversampling
D/A converter/ Aux out	18 bits linear 8 times oversampling
Internal processing	32 bits (greater than 190 db dynamic range)
Sampling Frequency	Internal- 44.1 kHz, 48 kHz External-30- kHz to 50 kHz
Parametric EQ	Low/ HPF Full sweepable F=20 hz to 20 kH, Gain= +/-18 dB (0.5 dB step), Q=0.1 ~ 10 , Sweepable/ shelving/ HPF: Low-Mid Full sweepable F=20 hz to 20 kHz, Gain= +/-18 dB (0.5 dB step), Q=0.1 ~ 10: High-mid Full sweepable F=20 hz to 20 kHz, Gain= +/-18 dB (0.5 dB step), Q=0.1 ~ 10: High/LPF Full sweepable F=20 hz to 20 kHz, Gain= +/-18 dB (0.5 dB step), Q=0.1 ~ 10. Sweepable/ shelving/ LPF
Internal Effects (Aux 7.8)	Reverb, delay, chorus, flanger, symphonic, tremolo, rotary speaker, phasing, pitch change, auto pan.
Dynamics processing	Compressor, limiter, gate, ducking
Faders	100 mm motorized full dynamic automation
Memories/ Scenes	64

Memories/ Internal effects	64
Memories/ Dynamics	64
Memories/ EQ library	128
Memories/ Channel library	64
LCD	320 x 240 dots, FL back lit
Meters	Stereo meter 21 segment x 2 LED bars
Input Channels 1-8	Mic/ Line: A-balanced XLR-type x 8 (+48V phantom switched); B-Balanced 1/4" phone jack x 8; Insert-Balanced 1/4" phone jack x 8
Input Channels 9-16	Mic/Line: Balanced 1/4" phone jack x 8
Input Channels 17-24	Line: Balanced 1/4" phone jack x 8
2-TR IN	2 pairs: Balanced 1/4" phone jack x 2 RCA Jack x 2
Digital In	AES/ EBU XLR-type S/PDIF RCA jack x 2
Stereo Out	Balanced XLR
C-R monitor	Balanced 1/4" phone
6 Aux outputs	1/4" phone jack x 6
Studio monitor	Balanced 1/4" phone jack x 2
Phones	Balanced 1/4" stereo phone jack
Digital Out	AES/EBU XLR-type S/PDIF RCA jack
Word Clock	TTL/75 ohm BNC- type (In and Out)
RS422	MiniDin type
MIDI	5-pin DIN type (IN, OUT, THRU, MTC In)
Time Code	RCA jack (Input)
Meter	15 pin DIN for Optinal Meter Bridge
Weight	29 kg (64lb)
Dimensions (W/H/D)	663 x 226 x 685 mm (26" x 9" x 27")