

RAD22

Universal Wall-Mounted RAD

Combined XLR receptacle and 1/4-inch

Switching Balanced or line inputs in one XLR shell

Saves rack space by combining 2 connectors in one housing

1/8-inch Mini TRS Line Out for recording, monitoring with headphones and live sound amplification

Standard Enclosures - Standard back box mounting options for US, UK and EU

Smart muting prevents damaging incursion to sound systems and disruption to presentations

Isolations for prevention of hums due to long cable runs with ground differentials

Improved codec for superior audio transmission

Completes the RAD family while complimenting the RAD16z



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The Universal Wallmount Remote Audio Device solves the problem of getting multiple types of audio in and out of a centralised Rane multiprocessor. The RAD22 provides two mic and line inputs through combination jacks and an 1/8-inch (3.5mm) stereo line output for monitoring, recording or amplification.

Smart muting with noise suppression allows hot swapping of microphones, even with 24-volt phantom power applied. RAD22 will automatically un-mute and ramp audio up only after plug is connected to remove clicks and pops when cables are plugged in after a fixed delay time.

Other new features include added isolation between the Rane DSP and RAD22 eliminating hum caused by ground differentials and improved codec for superior digital audio transmission.

The RAD22 leverages existing design of the RAD16z without logic I/O while adding the ability to switch automatically between balanced and unbalanced inputs. Snap-on white plastic wallplate fits on universal global mount for US/UK/EU standard back box limiting product to a single SKU.

Features

- Combined XLR receptacle and 1/4-inch
- Switching Balanced or line inputs in one XLR shell
- Saves rack space by combining 2 connectors in one housing
- 1/8-inch Mini TRS Line Out for recording, monitoring with headphones and live sound amplification
- Standard Enclosures - Standard back box mounting options for US, UK and EU
- Smart muting prevents damaging incursion to sound systems and disruption to presentations
- Isolations for prevention of hums due to long cable runs with ground differentials
- Improved codec for superior audio transmission
- Completes the RAD family while complimenting the RAD16z

Technical Specifications

Input Signal LEDs	Green LED	50dBFS
	Red LED	0.5dBFS
Microphone Inputs (level set in software)	Input Impedance	2.16k Ω , Balanced, 1.08k + 1.08k
	Gain Range (dynamic mic mode)	26-46dB, in 1dB steps
	Gain Range (condenser mic mode)	14-34dB, in 1dB steps
	Max. Input (dynamic mic mode)	-16dBu, Gain = 26dB
	Max. Input (condenser mic mode)	-4dBu, Gain = 14dB
	Equivalent Input Noise	-121dBu, 20kHz BW, Rs = 150 Ω , Gain = 26dB
	CMRR	-70dB, Rs = 150 Ω , 1kHz, Gain = 26dB
	Frequency Response	20Hz - 20kHz+0, -0.5dB, at all Gain settings
	THD + Noise	<0.010% @ 1kHz, 20kHz BW, Rs = 150 Ω , Output = -6dBFS, Gain = 26
	Phantom Power	24V, 10mA Max
	Digital Codec	48kHz, 24 bit
1/4" / XLR Balanced Line-Level Inputs	Input Impedance	10k Ω Balanced
	Gain Range	0-20dB, in 1dB steps
	Max. Input level (Line Mode)	+24dBu, 14 Ω , 1kHz
	Frequency Response	20Hz - 20kHz, +0, -0.5dB
	Dynamic Range (input)	106dB (A-weighted)
	CMRR	-50dB, Rs: 50 Ω , 1kHz
	Line+ Mode	+24dBu, 1kHz, active, Left ("+") and Right ("-") signals summed to mono
1/8" (3.5 mm) Output	Impedance	200 Ω , 1%, each leg
	Maximum Output	14dBu, <1% THD, 10k Ω load
	Dynamic Range	106dB, 0dBFS, 20kHz BW, A-weighted
	Frequency Response	20Hz - 20kHz, +0.0/-0.5dB
	THD+N	0.008% @1kHz, 20kHz BW, -6dBFS output
Dimensions (width x depth x height)	5.6" x 1.4" x 4.8"	143 x 36 x 123mm
Weight	0.94 lb.	0.45kg