

General RAD Description

The entire family of RAD models interface with HAL for digital conversion at the wall. Each converts analog audio to and/or from 24-bit, 48 kHz digital audio. Shielded CAT 5e (or better) cable and termination transport four digital audio channels – two channels each direction – as well as power, ground and a communications channel, with status indicators at each RAD, HAL, or EXP unit, and in Halogen software. The host HAL auto-checks the CAT 5 crimp and verifies audio. All RADs are both “location-aware” and hot-swappable with 500-foot homerun connections (66% farther than Ethernet). Light sensors dim the RAD indicators in dark rooms. Labels can be made and printed from Halogen software.

See the HAL Installation Manual for all RAD instructions and warranty information.

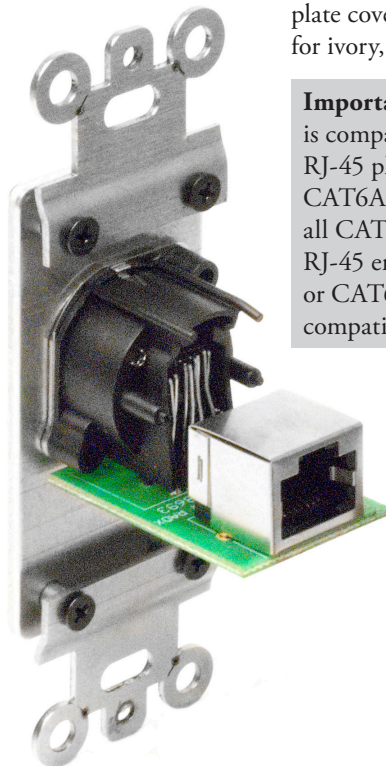
The HAL Installation and Design Manuals, data sheets with specifications, Halogen software and help files, graphics and CAD files, and system applications are available at rane.com/hal.

WARNING: This product may contain chemicals known to the State of California to cause cancer, or birth defects or other reproductive harm.

RADX

Think of the RADX as an extension cord. The port to which the RADX is connected needs to be configured for a specific kind of RAD – and you can only plug in that type of RAD. You might choose the RADX approach over buying all the specific RADs because of the cost. A RADX is *much* cheaper than an actual RAD. Therefore, just buying one set of RADs and moving them around on an A/V cart is cheaper, when you know the RADs will only be used one place at a time. The RADX has a microphone-looking type jack in it – to help the audio guy distinguish between the RADX and a standard CAT 5 data connection in the wall.

The RADX mounts in a standard 1-gang US electrical box. It is available in white, ivory, or black, with a matched Decora™ plate cover included. Order model RADXW for white, RADXI for ivory, and RADXB for black.



Important Note: The Neutrik EtherCON jack on the RADX is compatible with Neutrik's NE8MC and any standard RJ-45 plug. While EtherCON connectors accept CAT6 and CAT6A cabling, they do not work and are incompatible with all CAT6 plug and jack families. Use only CAT 5e compatible RJ-45 ends. If your RJ-45 says any form of CAT 6, or CAT6A, or CAT6^A, or CAT6A-ISO, or CAT 6 A-EIA – it is not compatible with the RADX or EtherCON.

RADX Specifications

Parameter	Specification	Limit	Conditions/Comments
Cable Length	500 feet / 153 meters, host to RAD		Shielded CAT 5e or better.
Front Jack	Neutrik EtherCON jack compatible with Neutrik's NE8MC and any CAT 5e RJ-45 plug		
Rear Jack	RJ-45 8P8C connector to shielded CAT 5e (or better) cable.		
Unit: Conformity	CE		RoHS Directive 2011/65/EU
...Size	4.1"H x 1.3"W x 1.7"D		10.4 x 3.3 x 4.3 cm
...Weight	1.6 oz		46 g
Shipping Size	9.6" x 6" x 3.2"		24.4 x 15.2 x 8.1 cm
...Weight	9 oz		255 g

