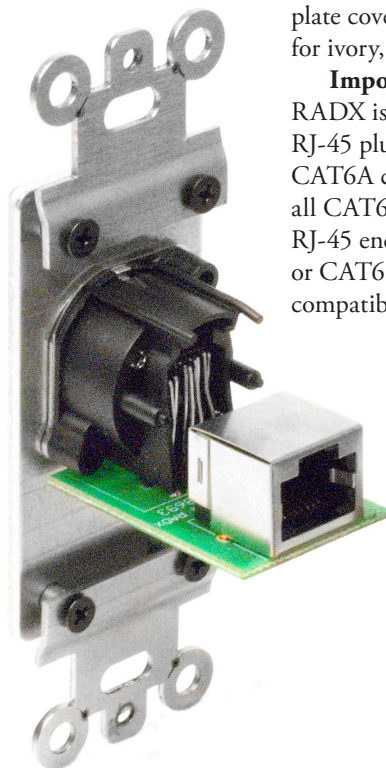## General RAD Description

The entire family of RAD models interface with HAL or Mongoose, 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, EXP or Mongoose unit, and in Halogen or Tracker software. The host HAL or Mongoose 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 or Tracker software.

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 standard RJ-45 plug		
Unit: Conformity	CE, FCC		
...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

Decora plate

RAD

1.5″
(38 mm)
front of
mounting plate
to back of RAD

May need deeper box than other RADs,
CAT 5 crimp tool recommended.
front to back minimum box depth
2.75″ (70 mm)

All features & specifications subject to change without notice. 5-2015