

## RM MODULES

Designed for use with the X Series Amplifiers

Increase Tuning Options and Staging

Speaker Level Attenuation: Via Resistors

Number of Resistors: 2 per module

Levels of Attenuation:

**RM-4** = 4 dB

**RM-12** = 12 dB

Inserting an RM module onto its associated port activates the "passive speaker terminals" located on the X Series amplifiers. The RM 4 & RM 12 resistor modules are designed to provide two different levels of speaker attenuation.

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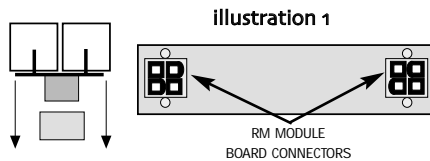
Owner's Manual – RM-4/RM-12  
Passive Channel Attenuation

# NDM160

## INSTALLING AN RM MODULE

### STEP 1: Locating the Connectors

- A. Remove the RM Module from the packaging and inspect the circuit board.
- B. Locate the two connectors soldered on the bottom of the circuit board. See illustration 1
- C. Simply align the two connectors with the two circuit board mounted receptacles located on the "X" Series amplifiers and plug the RM Module into place by applying downward pressure.



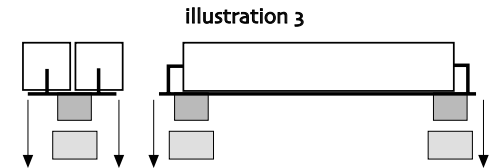
## INSTALLING AN RM MODULE

### STEP 2: Selecting an RM Module

The RM Modules serve two purposes. First they activate the "passive speaker terminals" on the Xtant amplifiers and, secondly, they add 4, or 12 dB of attenuation to the speakers attached to the "passive speaker terminals". Normally, the rear fill speakers are attached to the "passive speaker terminals" but any speakers (i.e. tweeters / center channel) that you desire to attenuate (turn down) may be attached to these terminals. The appropriate module is dependent upon speaker efficiency and the distance of the listener to the speakers. In a mini or standard pick-up truck, where the rear speakers are in relatively close proximity, the higher value RM 12 may be appropriate. In a sedan or coupe, the RM 4 may be better suited. The modules are easily interchanged and a little experimentation will help you determine the best value.

## INSTALLING AN RM MODULE

### STEP 3: Plugging-in the RM MODULE



- A. Turn-off amplifier. Remove amplifier cover and locate the two RM Module receptacles.
- B. Align the RM Module and press it onto the port by applying downward pressure. There is no polarity that needs to be observed. Be sure that the connectors are fully seated.
- C. Turn amp on and audition the system. If further adjustment is necessary, turn amp off and exchange the RM Module for a higher or lower value.

**Warning:** the RM Modules will become HOT during normal use. To avoid burns, caution should be taken when exchanging an RM Module.