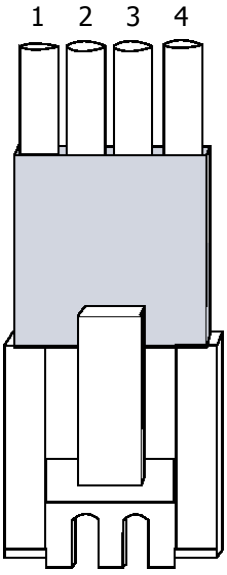
Application Guide

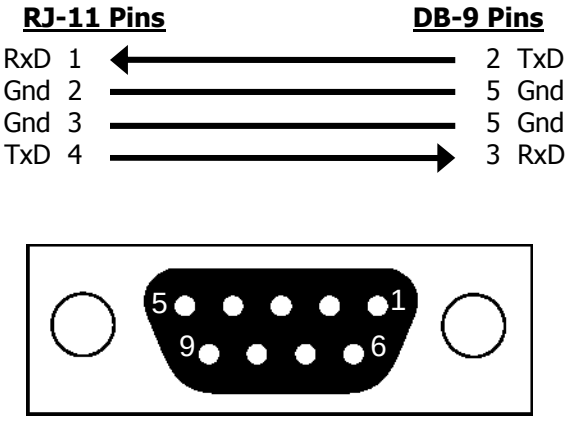
Serial Communication Cable Pinouts
ZIR-232 Device Commander XM Receiver Serial Control



Four Pin RJ-11
Telephone Cable

Connects to

ZIR-232 Module
RS-232 Serial Port



DB-9 Male
Rear View

Connects to

XM Receiver
RS-232 Serial Port

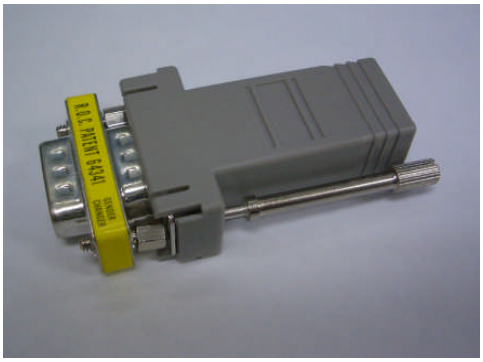
To affect serial remote control of an XM receiver via the ZON system a RJ-11 to DB-9 cable needs to be constructed. You can build your own serial communications cable in the field using this information.

You will need an RJ-11 telephone cable (that you don't mind cutting one end from) and DB-9 Male connector. Alternately you can use CAT5 cable and a crimp-on RJ-11 connector. When using CAT5 cable the RJ-11 pins 1 & 4 are one pair and pins 2 & 3 are another pair. I.e. 1-blue, 2-green, 3-green/white, 4-blue/white

Note: The pinout for a four wire RJ-11 is shown with the clip to the front. The RJ-11 pins 2 & 3 both go to the DB-9 pin 5. The DB-9 Male connector shown in this drawing is as seen from the rear (the side to which you would solder/crimp).

This method works for a Nuvo T2, Polk XRt12 and Antex XM100 XM receivers.

An alternate method is to use a spare ZON RJ-11 to DB-9 Programming Adapter that comes with each ZR-98 router along with a male to male DB-9 gender changer. The cable to connect the ZIR-232 to the adapter would then be a RJ-11 to RJ-11 cable. This cable needs to be constructed so that the colors of the cable are the same on both ends of the cable. Please note that this is different from the way RJ-11 cables are constructed when using the flat telephone cable such as the telephone cable that comes with the ZON Programming Adapter. The telephone cable that came with the ZON adapter could be used if one of the RJ-11 connectors is cut off and a new connector is re-terminated on the cable upside down from the original orientation.



OXMOOR®
Oxmoor Corporation, LLC
309A Cahaba Valley Parkway North
Indian Springs, AL 35124
800-262-6898 • 205-982-8200
www.zonaudio.com