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Interfacing The Motorola Quantar To The RC210

Introduction

There are several different methods of interfacing the very capable Quantar repeater to the RC210. In this document, we will offer another method that we believe to be the best option in order to take full advantage of the capability of the Quantar/RC210 pairing.

This document assumes you have the 8 Channel Wildcard Option installed in the Quantar, as this allows for maximum flexibility in interfacing.

Cabling

The interfacing to the Quantar is done via the 50 pin Telco connector on the back panel.

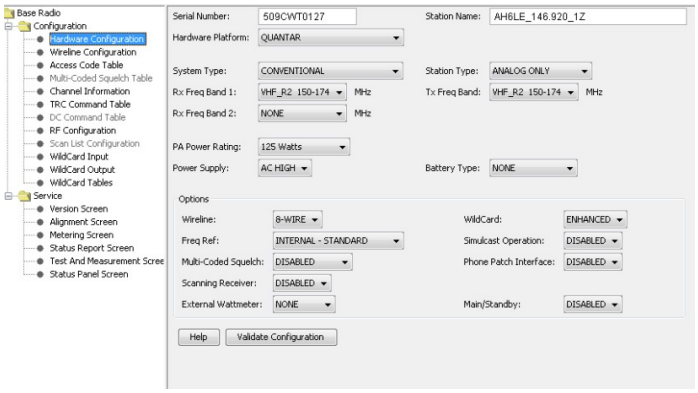
PINOUT

Quantar Telco Connector	**RC210**
5 (TX Audio In)	4
7 (Ground)	6 and Ground Input on Power Connector
17 (PL Enc. Disable)	1
18 (COS Out)	7
30 (De-emphasized RX Audio Out)	5
33 (+14 Out)	RC210 +VDC Input on Power Connector
37 (PL Decode Out)	2
47 (PTT In)	3

It is also needed to
Jumper Pin 8 to 22
Jumper Pin 32 to 43

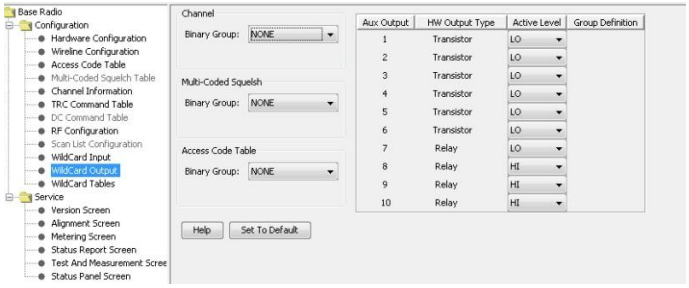
Hardware Configuration

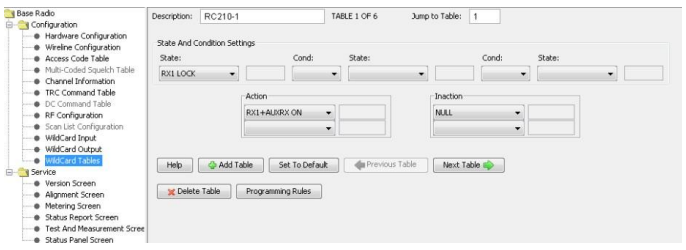
While your particular Quantar may not be exactly the same as the one below, the important thing to ensure is that your Wireline card is enabled and Enhanced is selected



Wildcard Configuration

There are several settings that must be properly configured in order for the RC210 to correctly control the Quantar. See the screenshots below and configure your Quantar accordingly.





Wildcard Configuration (Continued)