| Application Note AN#: 318 DATE: 1-Jun-19 Page 1 of 1 | | | | | | | |
|---|---|---|---|-----------------|------------------------------------|------------------------------------|---|
| PYRAMID MODEL #: SVR-200 / SVR-250 / SVR-300 / SVR-350 APPROVAL INITIALS RADIO MODEL: Motorola APX-8500 Mid/Low/High Pwr Smart Cable ENGINEER ENGINEER: C. Carbajal DEPT. HEAD | | | | | | | |
| SVR Jumpers: | JP1 J1 J2 J4 J5 J6 J7 J8 J9 | [-] [Out] [Out] [Out] [Out] [Out] [+] [In] | Remote Enable Tx audio level Tx audio impedance Local mic audio loop Local mic PTT loop Local Mic Sensitivity Rx Sensitivity Pull up resistor MCOR Pull up resistor | SVR Program: | Mobile Ty On-Air Po Tx Audio | olarity: Response: Response: | Low Conv/Trunk Low De-Emp Pre-Emp Disabled |
| Smart Cable Part Numbers: Order 7506-10-1094 for the SVR-200 Order 7506-10-1294 for the SVR-250 / SVR-P250 / SVR-300 | | | | | | | |
| Additional Modifications (SVR-200): None. Additional Modifications (SVR-250 / SVR-300): Set EMG Jumper to NC. | | | | | | | |
| Additional Modifications (Radio): 1. Connect the SHORT Red wire coming out of the Smart Cable box to 12VDC. 2. In the APX CPS, program the Radio Wide / Advanced menu options to: a. Aux PTT Audio Source = Aux_ Mic b. Aux Transmit Sensitivity = 80 mV | | | | | | | |
| In the APX CPS, program the Radio Configuration / Display & Menu / Menu Items: a. Program One of the Control Head Keys for PWR. The SVR will use the Low power menu setting for remote enable/disable. | | | | | | | |
| 4. In the APX CPS, program the Radio Wide / Transmit Power Levels: a. Set Low and High power tx levels equal. This ensures that when enabling the SVR, the radio remains in High power mode. | | | | | | | |
| Note: Generally all Seires 05/07 control heads support low/high power enable/disable. In cases where this setting does not work or you want to use an external switch or device to enable the SVR, use the blue wire provided on the smart cable to enable the repeater. This enable line is active low. | | | | | | | |