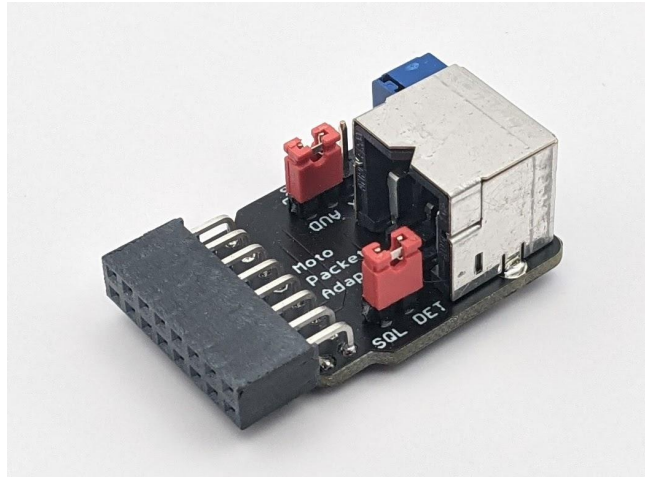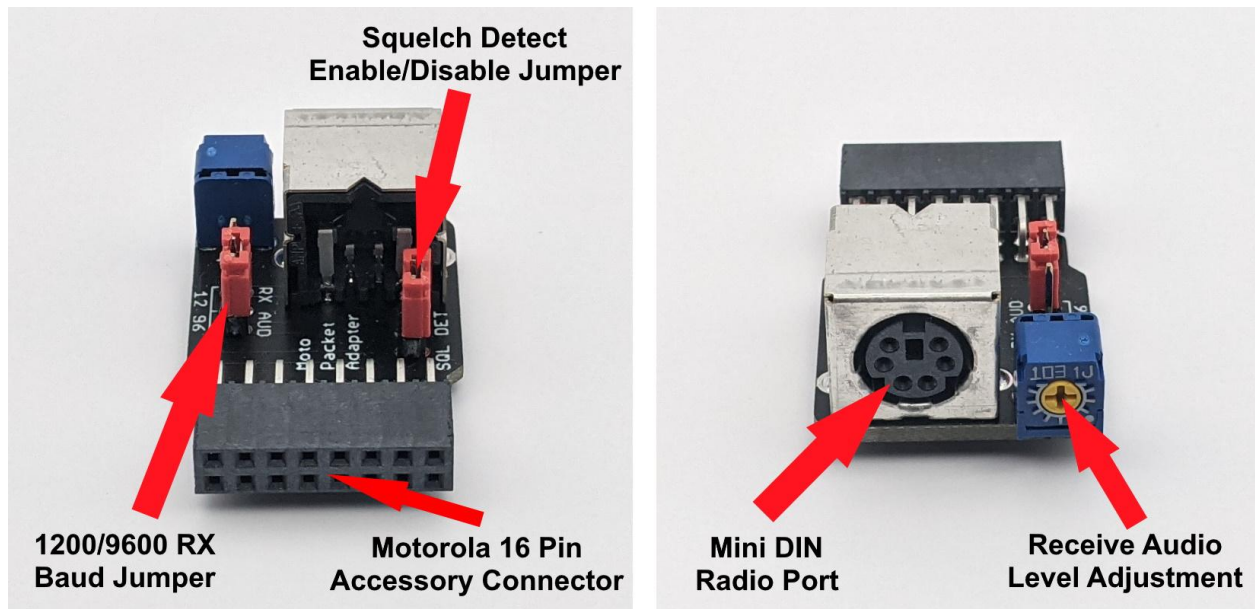**RPC Electronics, LLC**

# Motorola 16 Pin Packet/Data Adapter

This adapter makes connecting a packet TNC, APRS Tracker or any other 1200/9600 baud data modem to a Motorola mobile radio with the standard rear panel 16 pin accessory port easy!

Squelch Detect Enable/Disable Jumper

1200/9600 RX Baud Jumper

Motorola 16 Pin Accessory Connector

Mini DIN Radio Port
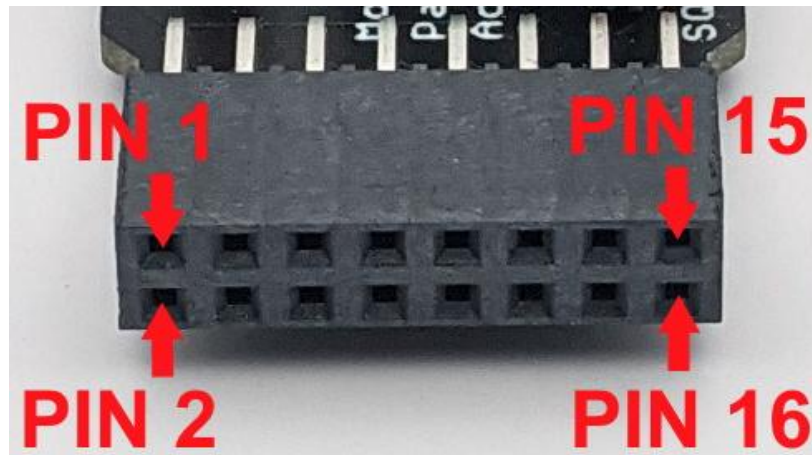
Receive Audio Level Adjustment

Notes: All jumpers and the receive level potentiometer are accessible even after plugged into the radio. Adapter should be **UPSIDE DOWN** when plugged in correctly.

Mini Din Radio Port Pinout

6. Squelch Detect

5. 1200 Baud Receive

4. 9600 Baud Receive

3. Push To talk

2. Ground
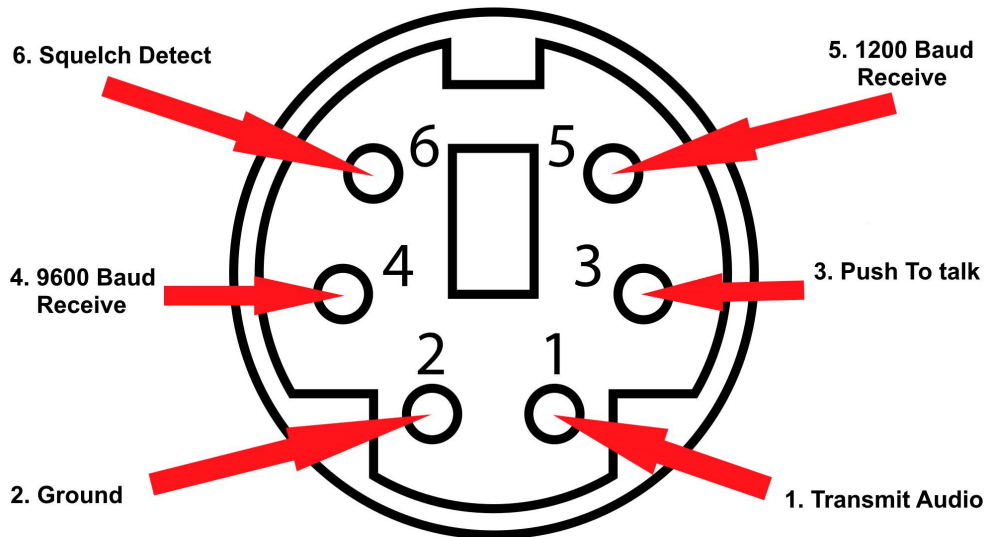
1. Transmit Audio

Motorola 16 Pin Pinout

PIN 1

PIN 15

PIN 2

PIN 16

Pin 2: Transmit Audio
Pin 3: Data Push to Talk Input
Pin 7: Ground
Pin 11: Flat or Filtered Receive Audio (audio routed based on jumper position)
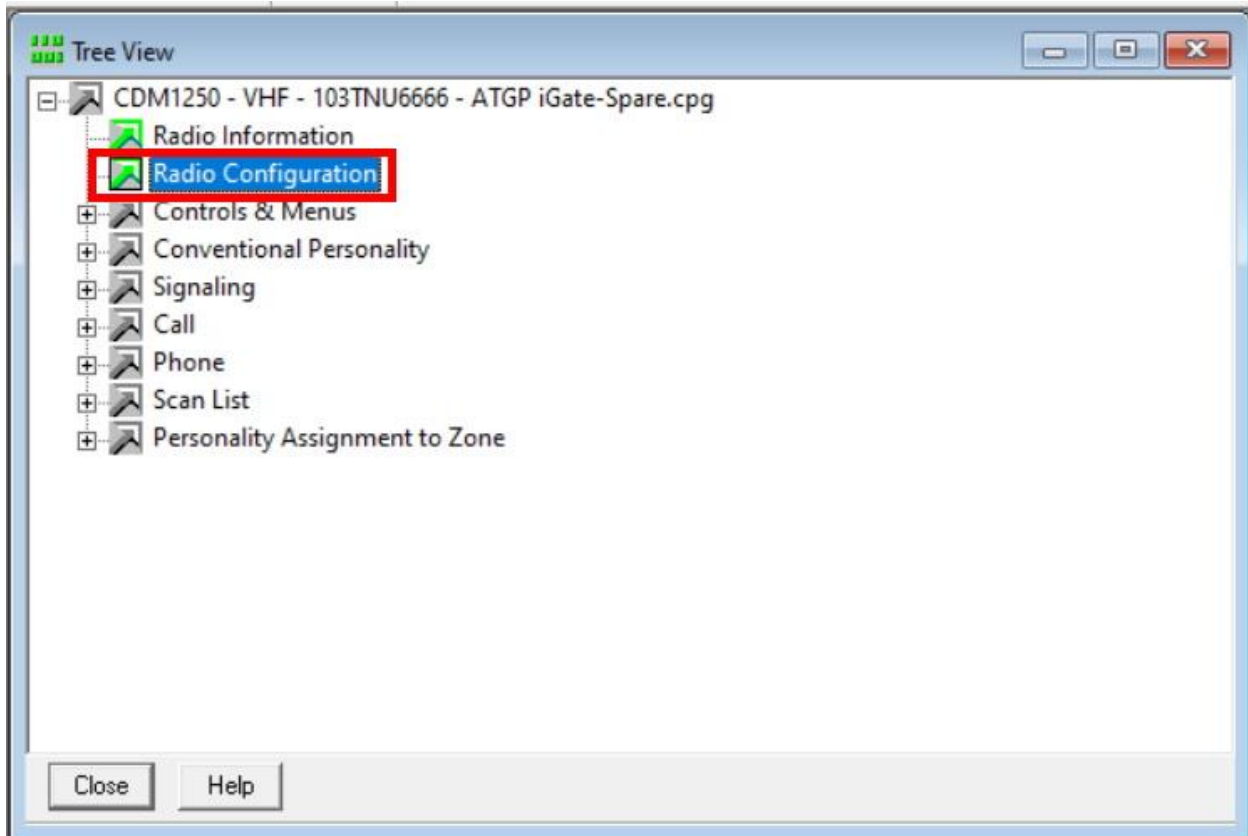**Pin 12: Squelch Detect (jumper determines if enabled/disabled)**
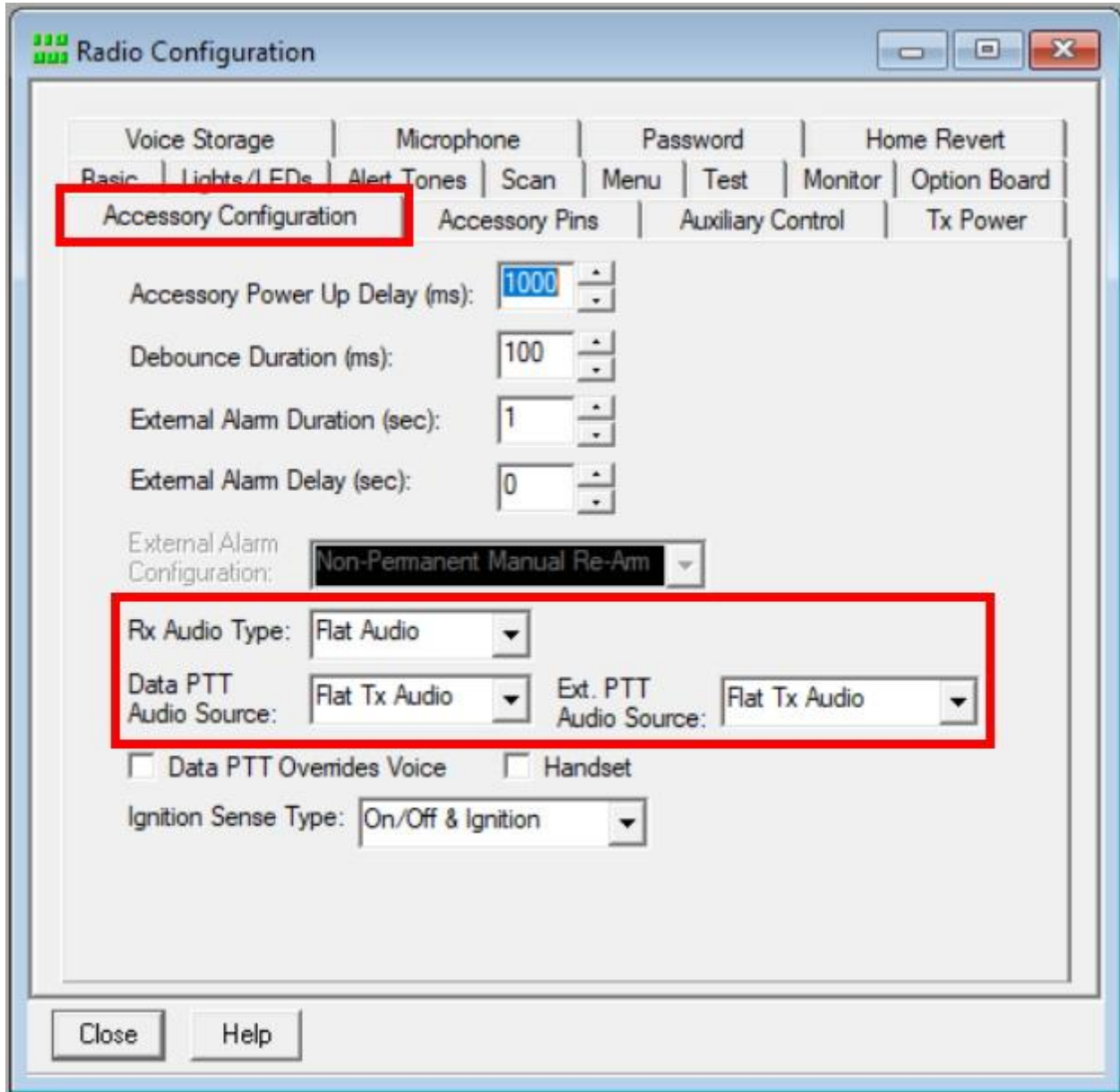
Motorola Professional CPS Setting

Step 1: Read radio codeplug

Step 2: Open "Radio Configuration" in the codeplug tree.

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Step 3: Select "Accessory Configuration" tab and configure the highlighted settings

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Step 4: Select "Accessory Pins" tab and configure the highlighted settings

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Step 5: Select "Conventional Personality" in the codeplug tree. Select a channel to edit.

RPC Electronics, LLC
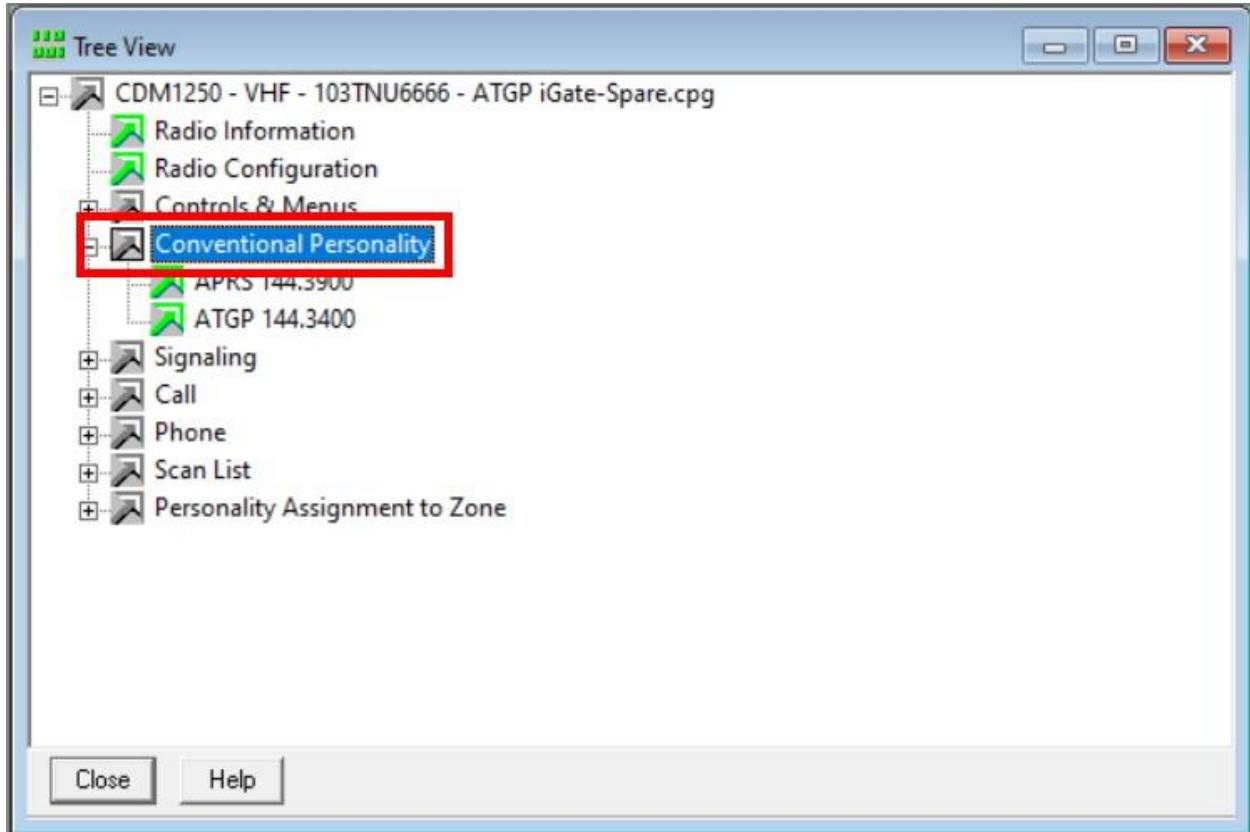
Step 6: Configure channel frequency, bandwidth and squelch type (CSQ for data)

RPC Electronics, LLC
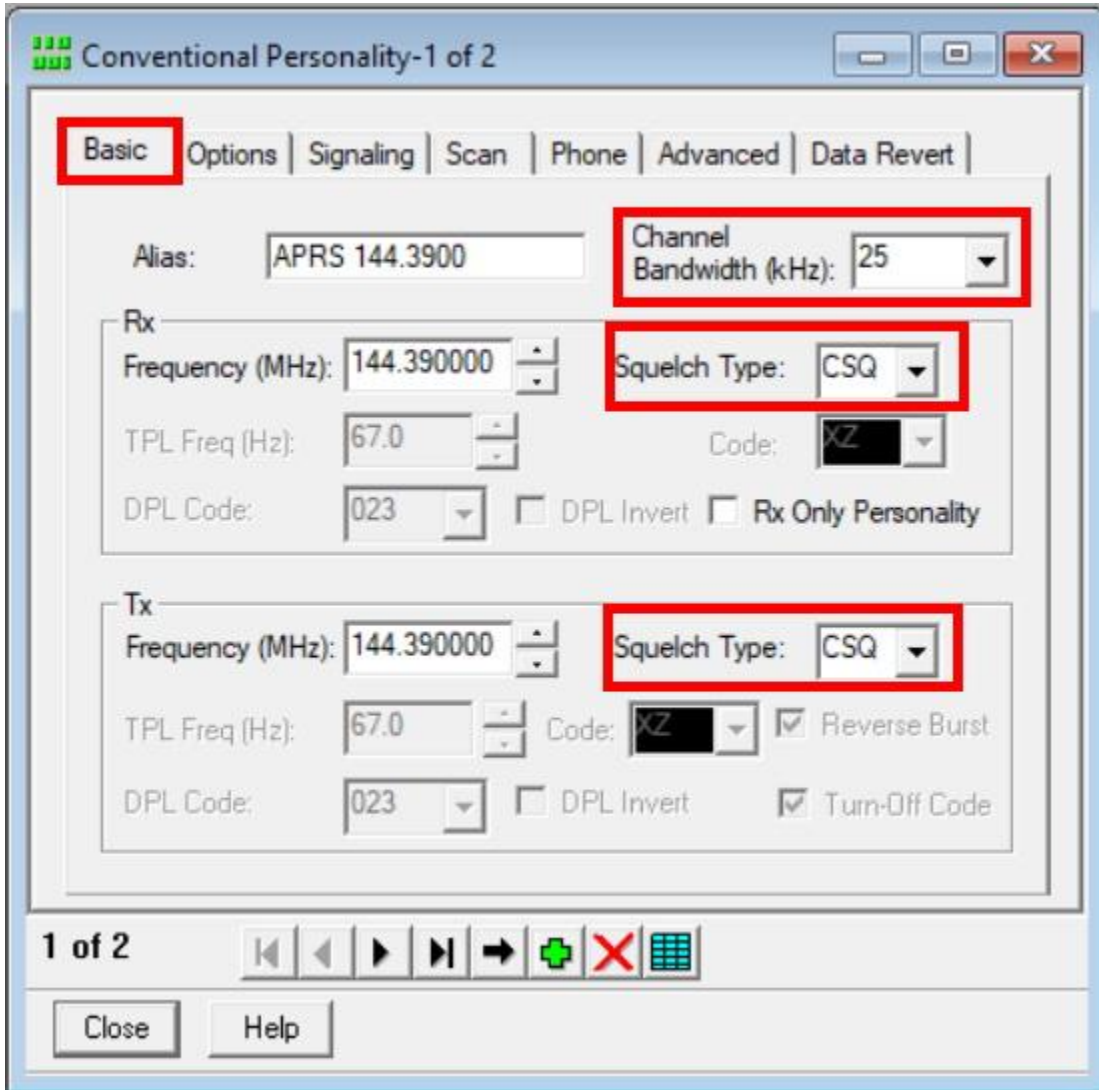
Step 7: Under "Advanced" tab, configure the highlighted settings.
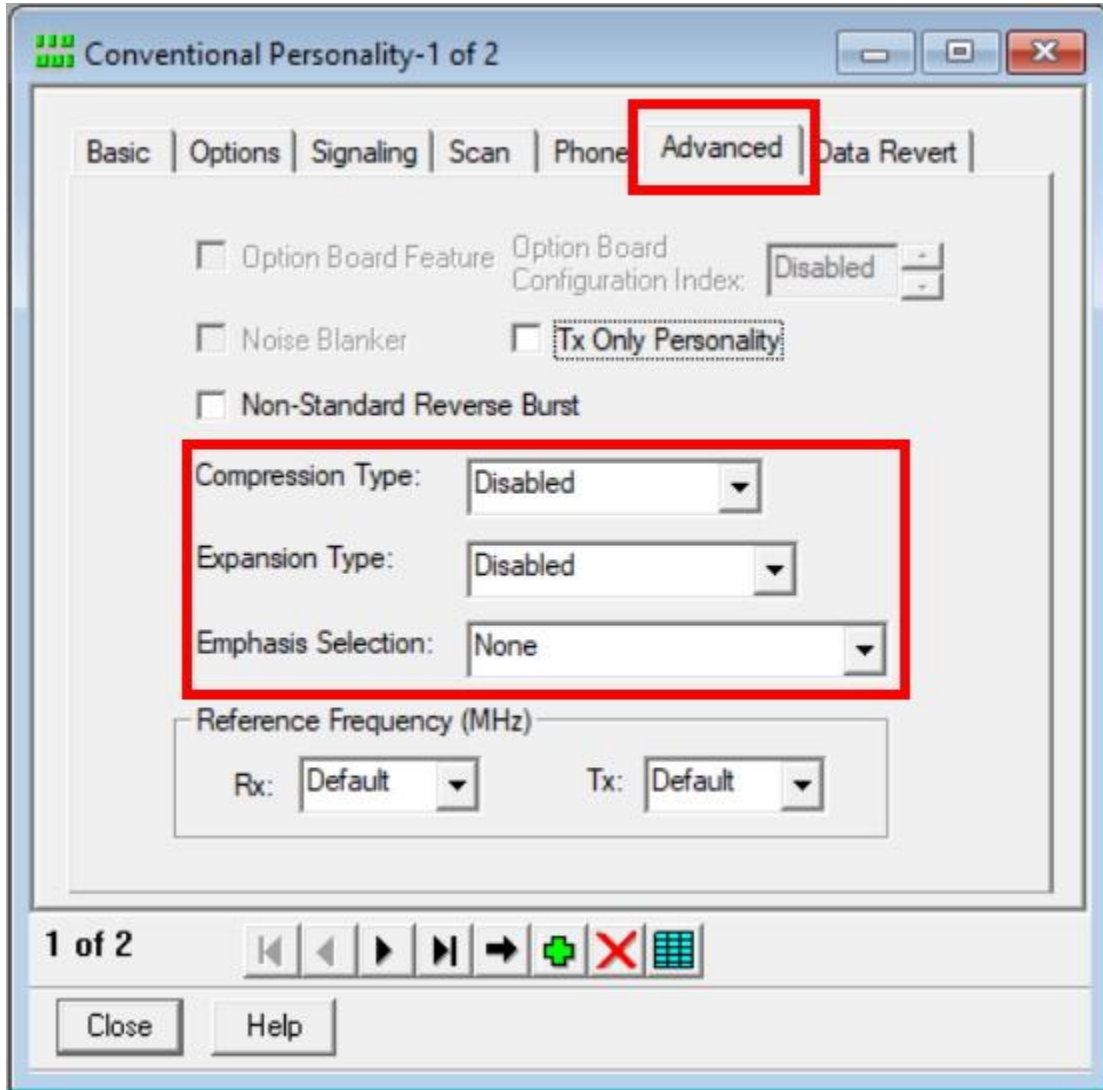
Step 8: Save codeplug and write it to the radio.