TECNET INTERNATIONAL INC.
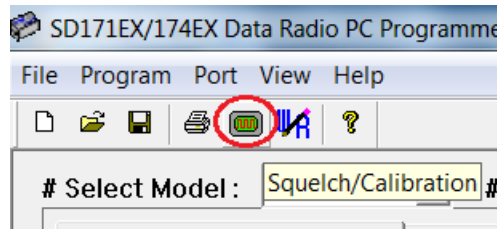
Exclusive Supplier of Maxon & TecNet Radio Communication Products

Technical Service Bulletin

Date: November 21, 2013
Subject: SD-170EX Squelch Adjustment
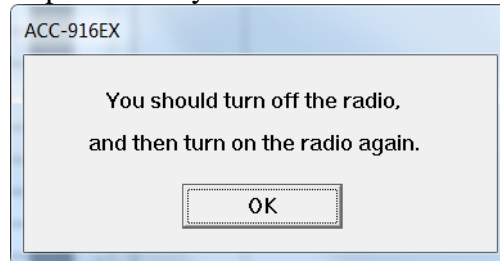**Issue:** Procedure to align the squelch on the SD-170EX series radio when using the ACC-2016EX.
Instructions:

1. Plug the programming cable (ACC-2016EX) into an available USB port on the computer.
2. Connect the radio to a service monitor with a BNC cable. Setup the service monitor to the correct frequency and modulation level.
3. Run the ACC-916EX programming software.
4. Select the correct port number for the USB cable.
5. Click on the icon shown below.

6. The following message is displayed. Before plugging the cable in, read step 7 carefully.

7. The angle in which the programming cable is plugged into the radio can affect the mode of the radio. For the squelch alignment, plug the cable in at an angle where power is supplied to the radio before the programming lines make contact. This is shown in the picture below.
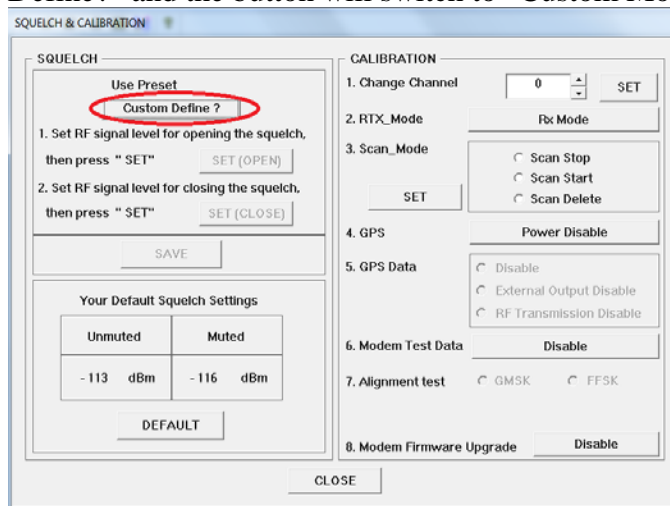
Note: the LED lights green, yellow and red quickly. If no lights are displayed, repeat the process.

8. Next click "OK" on the open window.
9. Squelch and Calibration will open. In the top left corner click on "Custom Define?" and the button will switch to "Custom Mode".

10. It takes several seconds for the programmer to write to the radio during each step. A good rule of thumb is to count to 7 between button presses. Set level on the service monitor to the desired squelch open point. Factory units are typically set to open at 0.5uV or -113dBm.
11. Click on the SET (OPEN) button. Wait 7 seconds.
12. Set the service monitor to the desired close point. Typically this is 3~4db from the open point for hysteresis. Click on the SET (CLOSE) button.
13. Wait 7 seconds then click on SAVE. Wait an additional 7 seconds before disconnecting the radio.
14. Test the squelch open and close levels on the service monitor.