Operating Procedure for M760UAV VHF COM radio

Equipment setup:

Required equipment:

      14 VDC power supply, 0-3 A

      PC with RS232 port, 9-pin connector

      Test harness provided by PS Engineering

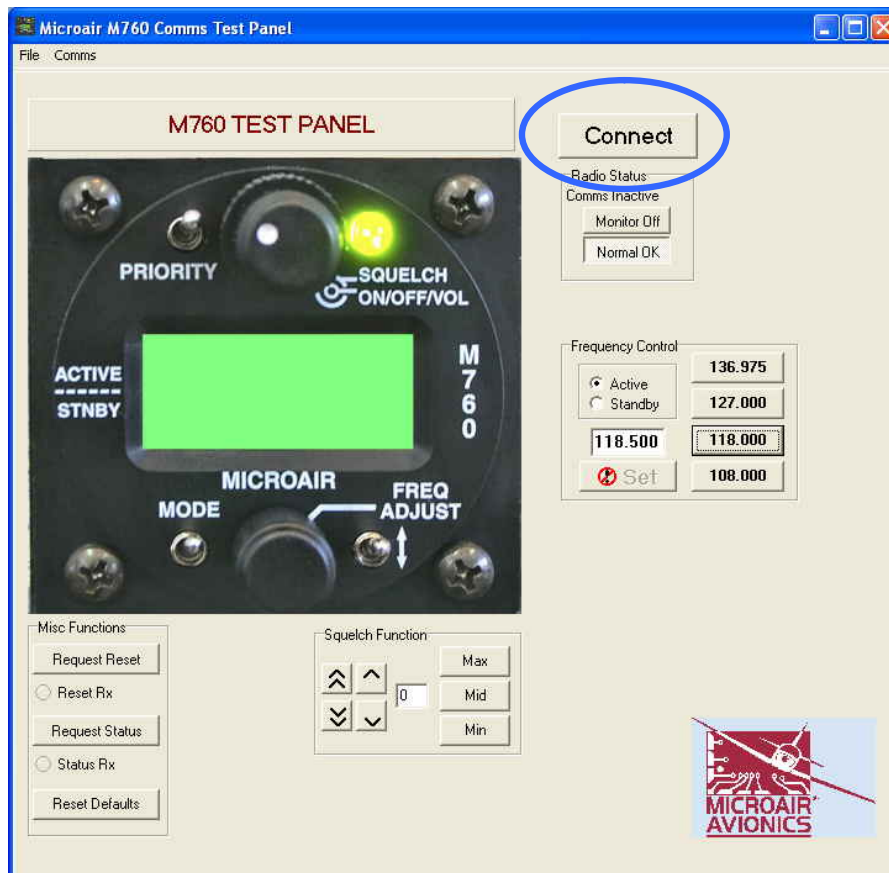   Microair Control panel software provided by PS Engineering
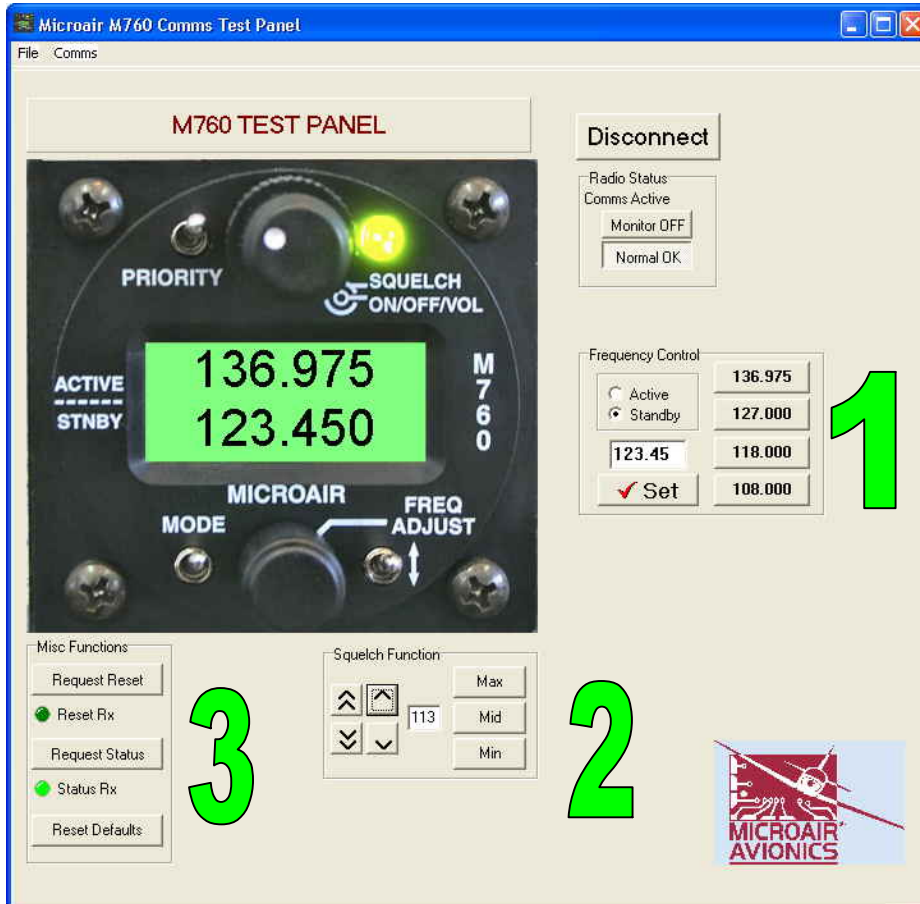
Installing the Terminal Program File:

Extract file M760 Test Panel PC App.zip to local hard drive

Launch the file, m760UAV.exe, from PC App folder.

Using the Terminal Program:

With the EUT connector to the computer RS-232 port, and after power applied, click the **Connect** button.

The display will read the last used frequencies in the radio. The M760REM can now be controlled using the terminal program.

Frequency control (1)

Four preset frequencies are available in the Frequency Control section (band ends and mid band) that enter into the active frequency, plus a direct access frequency entry that can be entered into either active or standby frequency register. Frequencies are entered with the decimal point, and all significant digits for 25 kHz channels.

NOTE: The EUT only transmits in the frequency range 118.00 to 136.975 MHz. Frequencies bwtween 108.00 and 117.95 are receive only in the aeronautical navigation band.

Receiver squelch control (2)

The receiver squelch threshold is adjusted in the "Squelch Function" section. The receiver squelch can be instantly set at the ends and middle of the range, in increment of a single step (single chevron) or in increments of eight steps (double chevrons).

NOTE: The higher the squelch number, the smaller the RF signal is required to open the squelch. Max (127) is the squelch completely open.

Miscellaneous (3)

Misc Functions are for troubleshooting and debugging, and not used for control.

Receiver volume control (4)

Unit receiver volume is factory set to maximum, and screwdriver adjustable through the hole on chassis. Turn clockwise to *decrease* volume.

Shutdown procedure

Remove power from the EUT, and exit the terminal program.