



SERVICE INFORMATION LETTER

Subject: ALT-8000 Radio altimeter Aeroflex part number 87340, New release of ALT-8000 software version 0.0.11.

This service information letter (SIL) is to inform current users of the ALT-8000 of a new version of operational software that is currently available for download.

Effectivity: All ALT-8000 radio altimeters require this operational software update. Implementation of this version of software will change the currently installed version to 0.0.11.

Summary of changes:

1) Description of problem:

UUT measured power levels above +25 dBm are out of tolerance. (typically +30 dBm is .4 dB low and +33 dBm is 3 dB low). Item 6 on errata sheet for software version 0.0.9.

Resolution:

The UUT power level issue has been fixed. The ALT-8000 measures power correctly throughout the full range of operation.

2) Description of problem:

CDF FMCW Mode: Partially functional at low altitudes (below 1000 feet) on some CDF-FMCW radio altimeters. Item 2 on errata sheet for software version 0.0.9.

Resolution:

The simulation accuracy has been improved so that altitudes up to 3000 feet can be replicated.

1) Product improvement.

Description of problem:

The ALT-8000 does not allow enough RF offset for operator use.

Resolution:

The RF level offset can now be set from +10 to -10 dB.

2) Product improvement.

Description of problem:

ALT-8000 does not allow enough altitude offset for operator to use.

Resolution:

Altitude offset can now be set from -25 to 100 feet.

3) Product improvement.

Description of problem:

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The touch screen calibration if not performed correctly may render the ALT-8000 inoperative.

Resolution:

Holding the HOME button at start up will force the ALT-8000 to perform a touch screen alignment.

4) Product improvement.

Description of problem:

.The ALT-8000 does not display the current delay calibration value, not allowing the operator to be able to determine if a delay calibration had been performed.

Resolution:

The ALT-8000 now displays the current delay calibration value allowing the operator to determine if a delay calibration should be performed.

Known issue with updating from 0.0.6 to a later version of the operating software:

On a small number of the ALT-8000 units, there has been an issue identified with loading the software from a USB memory device when upgrading from version 0.0.6. When a USB memory device containing the update files is inserted into the USB receptacle the ALT-8000 fails to recognize the memory device.

To correct this problem the user must remove the USB memory device. Proceed to the system menu and press "system update". Press the 'Install Software' button. Reboot the ALT-8000 when prompted.

The alt-8000 should then recognize the USB memory device. The software load should proceed according to section 5.2.2 in the operator's manual Aeroflex part number 88035.

Downloading and installing the new software.

The installation of new revision software is outlined in the operator's manual 88035 (section 5.2.2). The latest version of the ALT-8000 software can be downloaded when available at the following web link:

http://www.aeroflex.com/ats/products/category/Avionics/Radio_Altimeter_Testers.html#files

Revision	Date	Reason	Reference
AA	8/4/2011	New release	50000000205 7
AB	9/27/2011	Next revision	50000000226 3

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