AEROFLEX INSTALLATION INSTRUCTIONS

IFR 6000/6015
XPDR/TCAS/DME TEST SET
SOFTWARE/FIRMWARE UPGRADE

This document provides the necessary instructions to perform a software update to the IFR6000/6015. The following items are required to perform the update:

Breakout Box assembly (64580) supplied with unit

PC with a Windows XP, Win 7 or Win 8 operating system

USB Flash Drive, 16Mb minimum size, formatted for FAT32

> Note: If the software on the IFR 6000/6015 that is being upgraded is less than version 2.02.00, then the USB drive must be formatted to FAT16.

> Note: If the software in the IFR 6000/6015 that is being upgraded has version 3.00.06 or higher installed, steps 1 through 6 can be skipped and the version 3.xx.xx can be loaded.

1.0 Software Loading Instructions

Instructions to upgrade the IFR-6000/6015 firmware from 2.09.00 or earlier to 03.XX.XX:

Note: Firmware Loader version 02.10.00 will be loaded first before the final firmware 03.XX.XX.

1. Attach the Breakout Box (PN: 64580) to the IFR-6000/6015.
2. Connect the unit to an external power supply or ensure that the unit has at least 6.0 hours of battery life.
3. Ensure that the unit is turned OFF.
4. Plug the USB drive with Firmware Loader version 02.10.00 to the Breakout Box USB port. Note that the firmware must be on the root directory of the USB drive.
5. Turn the IFR-6000/6015 ON. The firmware loading process will begin automatically. Follow the screen prompts as needed.

WARNING:

Do not interrupt the firmware loading process; otherwise, the unit will be rendered unusable. If the unit is connected to an external power supply, do not disconnect the power supply from the IFR-6000/6015.

6. Once the loading process is finished, remove the USB drive from the Breakout Box. Allow unit to reboot and then turn the IFR-6000/6015 OFF. Press the Power button

one more time to allow the unit to initialize again before pressing Power button again to power it off.

7. Plug the USB drive with firmware version 03.XX.XX into the Breakout Box. Note that the firmware must be on the root directory of the USB drive. If any option is being added, the option file (options.new) must also be on the root directory.

8. Turn the IFR-6000/6015 ON. The firmware loading process will begin automatically. Follow the screen prompts as needed. If any option is being added at the same time the firmware is being upgraded, select to update 'BOTH' the Option and Firmware when the appropriate soft key selection is presented on the screen.

WARNING:

Do not interrupt the firmware loading process; otherwise, the unit will be rendered unusable. If the unit is connected to an external power supply, do not disconnect the power supply from the IFR-6000/6015.

9. Once the loading process is finished, remove the USB drive from the Breakout Box. Allow unit to reboot and then turn the IFR-6000/6015 OFF

10. Turn the IFR-6000/6015 ON, and allow it to initialize. To verify the firmware version, keep pressing the 'Setup' key until "XPDR-GENERAL" screen appears and the 'INFO' soft key becomes present. Select 'INFO' soft key. Confirm the VERSION field equals version being installed.

11. Recalibration of the IFR-6000/6015 is only required if the UAT option has just been installed into the unit..

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ECN# 500000006030