

# INSTALLATION INSTRUCTIONS

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

This document provides the necessary instructions to perform a software update to the IFR6000. 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 that is being upgraded is less than version 2.02.00, then the USB drive must be formatted to FAT16.**

### 1.0 Software Loading Instructions

Instructions to upgrade the IFR-6000 firmware from 2.09.00 or earlier to 03.00.06:

**Note:** Firmware Loader version 02.10.00 will be loaded first before the final firmware 03.00.06.

1. Attach the Breakout Box (PN: 64580) to the IFR-6000.
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 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.**

6. Once the loading process is finished, turn the IFR-6000 OFF. Then remove the USB drive from the Breakout Box.
7. Plug the USB drive with firmware version 03.00.06 to the Break 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 ON. The firmware loading process will begin automatically. Follow the screen prompts as needed. If any option is being added at the same

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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.**

9. Once the loading process is finished, turn the IFR-6000 OFF. Then remove the USB drive from the Breakout Box.
10. Turn the IFR-6000 ON, and 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 CF, PPC, and FPGA versions.  
CF: 03.00.06  
PPC: 03.00.06  
FPGA: 4.92
11. Recalibration of the IFR-6000 is required if UAT option is installed.