

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:

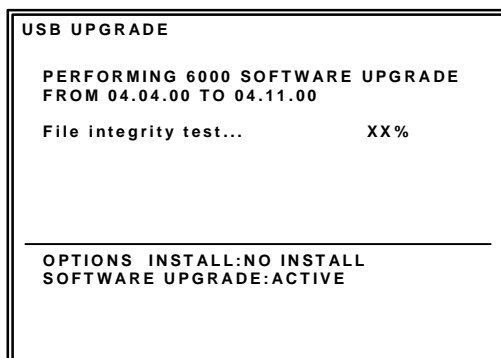
Breakout Box assembly (7005-5841-000) supplied with unit
PC with a Windows XP, Win 7 or Win 8 operating system*
USB Flash Drive, 16Mb minimum size, formatted for FAT32

1.0 PC Setup

- 1) Create a new folder on your PC called "6000 USB X_XX UPGRADE" with the XX being the software version.
- 2) Extract the files from the 6000 zip file downloaded from the website to the "6000 USB X_XX UPGRADE" folder on your PC.

2.0 USB Update

- 1) Connect the USB Flash drive to your PC
- 2) Using Windows Explorer, copy all of the files under the "6000 USB X_XX UPGRADE" folder to the flash drive. Do not copy the directory structure, only the files. Other files can exist on the flash drive and they will not affect the upgrade.
- 3) Left click on the green arrow in the lower right of the toolbar to stop the USB drive so you can safely remove it from your PC. (This step not necessary for Windows XP)
- 4) Power down the IFR 6000 to be upgraded if necessary.
- 5) Connect the Breakout Box to the 6000. Connect the USB drive to the USB Host connector on the Breakout Box assembly.
- 6) Power up the unit, and the following screen should appear:



AEROFLEX INSTALLATION INSTRUCTIONS

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

- 7) Once the File integrity test is complete, the software update process will begin, and the following screen will appear:

```
USB UPGRADE

PERFORMING 6000 SOFTWARE UPGRADE
FROM 04.04.00 TO 04.11.00

Installing new software...   xx%

** DO NOT SWITCH OFF      **
** DO NOT REMOVE USB DISK **

-----
OPTIONS  INSTALL:NO INSTALL
SOFTWARE UPGRADE:ACTIVE
```

- 8) After upgrade is complete, the following screen will appear:

```
USB UPGRADE

UPGRADE COMPLETE

Please remove the usb disk
and the 6000 will reboot.

-----
OPTIONS  INSTALL:NO INSTALL
SOFTWARE UPGRADE:ACTIVE
```

- 9) You may now remove the flash disk, and the unit will re-boot itself.
10) The software/firmware update is now complete.

3.0 Software/Firmware Version verification

- 1) The software/firmware version numbers can be verified by executing the following keystrokes:
SETUP (3 to 5 times, depending on options installed) to get to the
SETUP – GENERAL screen
INFO (softkey)

AEROFLEX INSTALLATION INSTRUCTIONS

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

- 2) Verify the version number displayed is correct for the version installed.

| SETUP-CONFIG INFO | | BAT --- Hr |
|-------------------------|---------------|------------|
| VERSION 04.11.00 | | |
| BOOT | SW VER | 02..00.00 |
| CF | SW VER | 04.11.00 |
| PPC | SW VER | 04.11.00 |
| FPGA | FW VER | 1.20 |
| CF CPLD | FW VER | 1.1 |
| RF CPLD | FW VER | 1.1 |
| PPC BRAM | SW VER | 2.00 |
| USB | SW VER | 1.0.0 |
| MFB CPLD | SW VER | 1.8 |
| OPTIONS | | |
| MODE S, TCAS, ADSB | | |
| RECALL DEFAULT | DATE &TIME | RETURN |