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 or IFR6015. The following items are required to perform the update:

- Breakout Box assembly (7005-5841-000) supplied with unit

- PC with Windows 95, 98, 98SE, 2000, XP, or NT operating system*

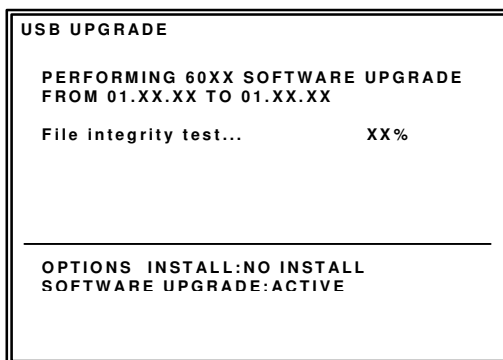- USB Flash Drive, 16Mb minimum size, formatted for FAT

    - Windows 95 and NT do not support USB, and Windows 98 requires a driver for USB support.

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 or 6015 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 or IFR 6015 to be upgraded if necessary.

5) Connect the Breakout Box to the 6000 or 6015. 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:

```
USB UPGRADE


PERFORMING 60XX SOFTWARE UPGRADE
FROM 01.XX.XX TO 01.XX.XX

File integrity test...          XX%




_____

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

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

```
USB UPGRADE


 PERFORMING 60XX SOFTWARE UPGRADE
 FROM 01.XX.XX TO 01.XX.XX

 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 60XX 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)

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

```
SETUP-CONFIG INFO                       BAT --- Hr


VERSION 01.XX.XX
    BOOT            SW VER 01.XX.XX
    CF              SW VER 01.XX.XX
    PPC             SW VER 01.XX.XX
    FPGA            FW VER   1.XX
    CF CPLD         FW VER   1.X
    RF CPLD         FW VER   1.X
    PPC BRAM        SW VER   1.XX



OPTIONS
    MODE S

  ┌──────────┬──────────┐              ┌──────────┐
  │ RECALL   │  DATE    │              │ RETURN   │
  │ DEFAULT  │  &TIME   │              │          │
  └──────────┴──────────┘              └──────────┘
```