



# SERVICE INSTRUCTION **SI0002**

**EFFECTIVE DATE:** This Service Instruction is effective January 15, 2007  
**SUBJECT:** Dynon D180 Firmware update  
**MODELS AFFECTED:** CC11-100 S/N CC11-00010  
**PURPOSE:** Dynon D180 Firmware update

**PARTS LIST:**

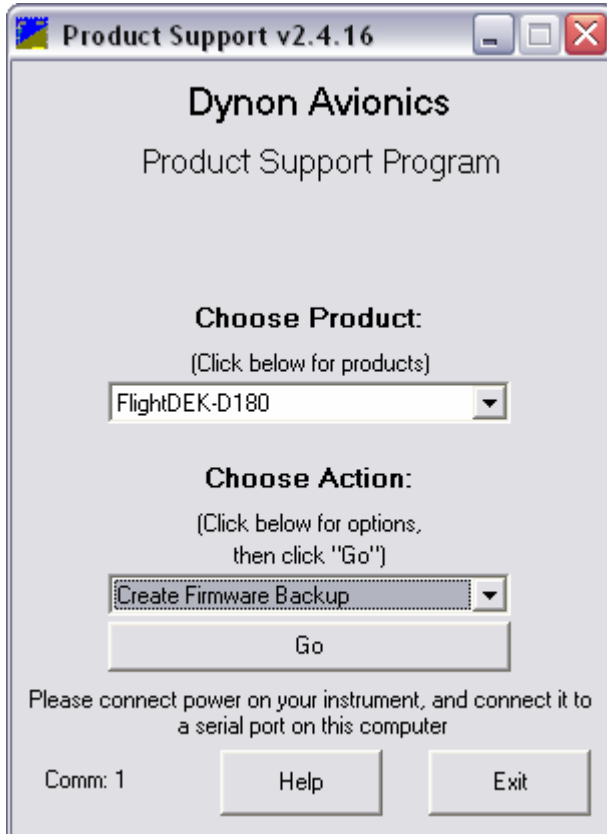
<b>PART DESCRIPTION</b>	<b>QUANTITY</b>
Firmware update on compact disc	1
DSub Labels	1

**INSTRUCTIONS:**

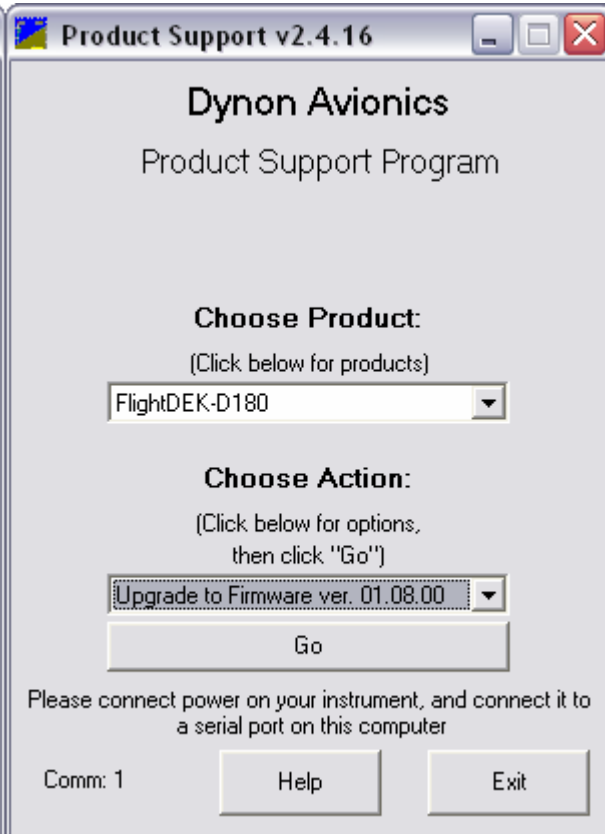
## DYNON D180 FIRMWARE UPDATE

1. INSTALL USB TO SERIAL CONVERTER (SUPPLIED WITH AIRCRAFT AS PART OF D180 KIT; ITEM: SBT-USC1M – REF: SP71301-002 ) TO COMPUTER BEING USED TO UPGRADE D180. INSTALL COMPACT DISC TO UPLOAD DRIVER FOR CONVERTER.
2. NOTE: ALL COMPONENTES THAT CAME WITH YOUR D180 SHOULD BE CONNECTED WHILE PERFORMING FIRMWARE UPGRADE.
3. VERIFY THE TWO 9-PIN SERIAL DATA CONNECTORS LOCATED JUST UNDER THE LEFT HAND SIDE OF YOUR INSTRUMENT PANEL ARE LABELED: EMS DATA AND THE OTHER EFIS DATA.
4. IF YOUR CONNECTORS ARE LABELED SKIP TO STEP 7.
5. BOTH OF THE CONNECTORS SHOULD HAVE THREE WIRES COMING FROM THE D180 TO THE CONNECTOR. THE EMS DATA CONNECTOR WILL HAVE THREE INDIVIDUAL WIRES: ONE ORANGE, ONE YELLOW, AND ONE BLACK WIRE. THE EFIS DATA CONNECTOR WILL HAVE ALL THREE OF ITS WIRES INSIDE A PROTECTIVE JACKET/SLEEVE; THE JACKET/SLEEVE IS TRANSLUCENT/WHITE IN COLOR.
6. MAKE SURE SURFACE IS FREE AND CLEAR OF OIL, DIRT, AND DEBRIS BY WIPING WITH ISOPROPYL ALCOHOL ON A LINT-FREE CLOTH. ALLOW TO AIR DRY. REMOVE PAPER BACKING FROM THE DSUB LABELS EXPOSING THE ADHESIVE. PLACE IT ON CONNECTOR. APPLY FIRM PRESSURE TO AFFIX.
7. THE STEP BY STEP INSTRUCTIONS FOR THIS MAY ALSO BE FOUND ON THE DYNON AVIONICS WEBSITE:  
[http://www.dynonavionics.com/docs/support\\_software\\_200610.html](http://www.dynonavionics.com/docs/support_software_200610.html)
8. FROM THE DYNON AVIONICS LINK ABOVE CLICK **Download Dynon Product Support 2.4.16**, SAVE THIS FILE TO YOUR COMPUTER.
9. BEFORE STARTING UPDATE MAKE SURE THAT YOUR D180 FLIGHTDEK IS POWERED ON AND WILL NOT SHUT DOWN DURING THE FIRMWARE UPDATE.

10. CONNECT THE SERIAL SIDE FROM YOUR CONVERTER (ITEM: SBT-USC1M) TO THE EFIS DATA CONNECTOR.
11. RUN THE PRODUCT SUPPORT v2.4.16 PROGRAM THAT YOU DOWNLOADED TO YOUR COMPUTER.
12. SELECT FROM THE DROP DOWN MENUS AS SHOWN IN FIGURE 1:  
(Dynon recommends to please do a backup first. This is the only way to go back to an older version of the firmware if you wish to do so.)  
**CHOOSE PRODUCT:** FlightDEK-D180  
**CHOOSE ACTION:** Create Firmware Backup
13. AFTER CREATING BACKUP SELECT FROM THE DROP DOWN MENUS AS SHOWN IN FIGURE 2:  
**CHOOSE PRODUCT:** FlightDEK-D180  
**CHOOSE ACTION:** Upgrade to Firmware ver. 01.08.00
14. A POP-UP WINDOW WILL APPEAR WHEN THE UPGRADE IS COMPLETE.
15. AFTER THE BACKUP AND THE UPGRADE THE SYSTEM MAY SHUT DOWN BY ITSELF.



**FIGURE 1: CREATE BACKUP**



**FIGURE 2: UPGRADE FIRMWARE**