

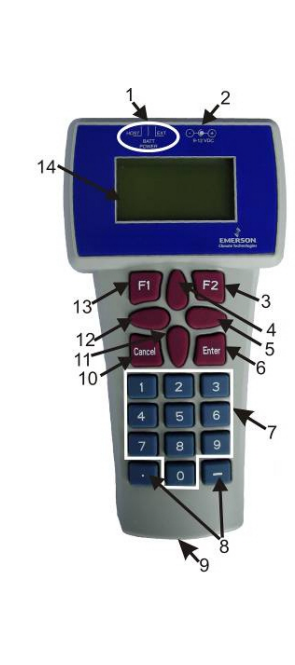
Hand-Held Terminal For MultiFlex Upgrade Kit (P/N 814-3118) Instructions

Overview

The P/N 814-3118 Multiflex Upgrade Hand Held (HHT) Terminal can operate like a standard 814-3110 HHT, but it also has support to upgrade an 810-3064 MultiFlex 88 to an 810-3063 MultiFlex 88AO and 810-3066 MultiFlex 168 to an 810-3065 MultiFlex 168AO.

Note: It is recommended that MultiFlex I/O boards with versions lower than VER: 1.11F01 (before June 2003) be returned to the RG department for upgrade. For example, VER: 1.00F01 and VER: 1.10F01 are lower than VER: 1.11F0, and have a possible risk of the board becoming inoperable during HHT firmware upgrade.

HHT Device Front Keypad



LEGEND	
1	The power switch determines if the HHT is self-empowered mode (BATT), ext power (EXT), or if powered from a target device (HOST).
2	External Power Connector (9-12 VDC)
3	F2 Main Menu
4	Up Arrow - moves to previous screen, editable field, or top of screen.
5	Right Arrow - selects last editable field starting from bottom of screen; selects last editable field from bottom to top.
6	Enter - save into memory
7	Numeric keypad
8	Scrolls list selections and scrolls through ASCII characters if in a text field
9	RS-485 Connector
10	Cancel - clears/erases text in editable field; cancels overrides
11	Down Arrow - moves to next screen, editable field, end of screen or advances
12	Left Arrow - selects first editable field from top of screen, and next editable field from top to bottom
13	F1 - Home Screen
14	LCD - four lines of 16 characters

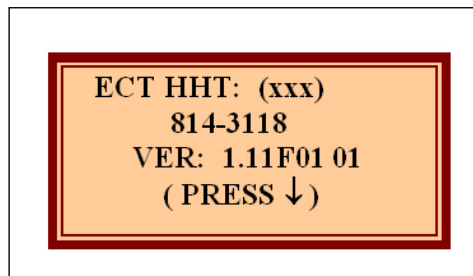
Hand-Held Terminal For MultiFlex Upgrade Kit (P/N 814-3118) Instructions

Specifications

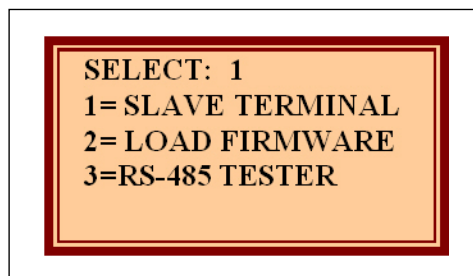
Connector	Female RJ-11 plug
Display	Graphic LCD (128 x 64 pixels)
Power Requirements	None (9V battery optional)
Dimensions	3.9" Wide x 8.3" Tall x 1.6" Deep (approx.)
Operating Environment	-20°C to 50°C
Storage Environment	-40°C to 65°C
Approvals	UL/CSA, CE, FCC

To Upgrade an 810-3064 Multiflex 88:

1. Plug the 814-3118 into the RJ-11 jack on the 810-306x.
2. After few seconds the following screen should appear:



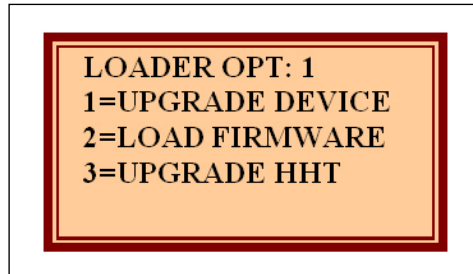
3. Press the Down Arrow to access the MultiFlex or to upgrade the board.



4. Press the Down Arrow again to access the MultiFlex board, or press the Right Arrow then select 2.

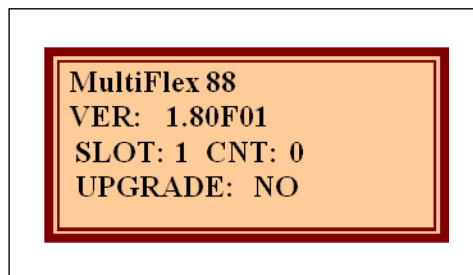
Hand-Held Terminal For MultiFlex Upgrade Kit (P/N 814-3118) Instructions

5. Press the Down Arrow twice to display the following screen:



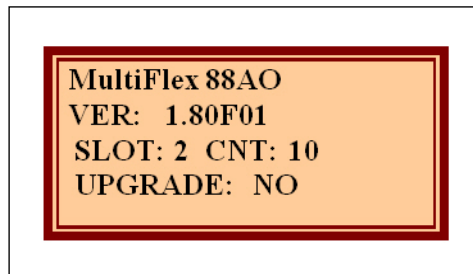
6. Press the Down Arrow to upgrade the device. The count (**CNT**) is the number of Board upgrades still available.

Slot #1

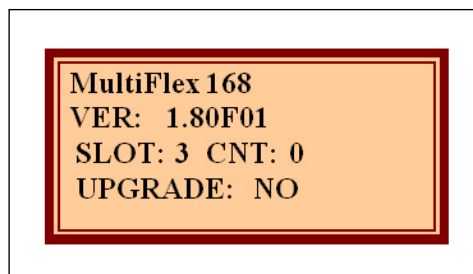


Press the Down Arrow to display the following screens:

Slot #2

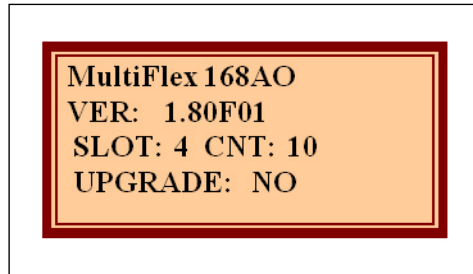


Slot #3

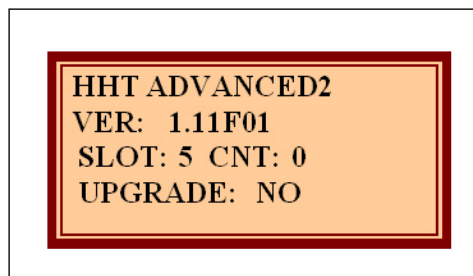


Hand-Held Terminal For MultiFlex Upgrade Kit (P/N 814-3118) Instructions

Slot #4

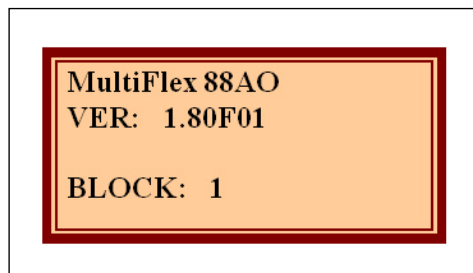


Slot #5



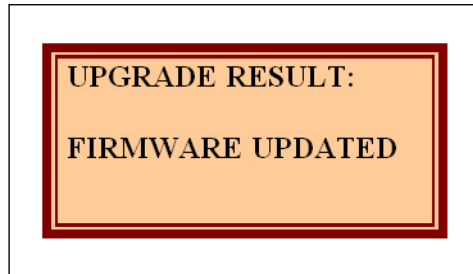
Note: Slot #5 is only used to show the version of the HHT.

7. To Upgrade a MultiFlex board, select either slot #2 or #4 depending on the model of board that is being upgraded. To upgrade a MultiFlex 88 to an 88AO select slot #2. To upgrade a MultiFlex 168 to a 168AO, select slot #4.
8. Press the Right Arrow then press the (-) minus key to select **YES**. Press the Down Arrow twice. The BLOCK count increases as the firmware is being upgraded.

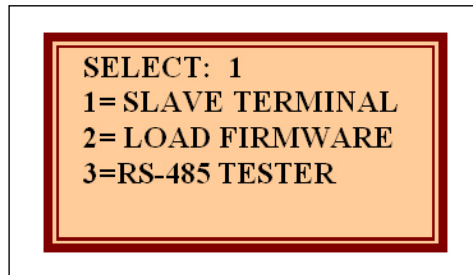


Hand-Held Terminal For MultiFlex Upgrade Kit (P/N 814-3118) Instructions

9. After the firmware upgrade, the board resets and the following screen appears.
Note: The Status LED should be flashing once per second to indicate proper operation.



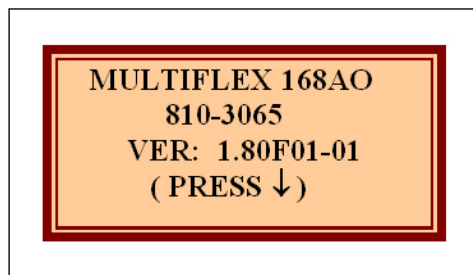
10. Press the Up Arrow or **F2** to get to the main menu.



11. Press the Down Arrow to display the following screen:



Or



Press and hold **F1** for 6 seconds to return to the main menu.

Hand-Held Terminal For MultiFlex Upgrade Kit (P/N 814-3118) Instructions

12. Unplug the Hand Held Terminal (HHT) cable from the RJ-11 connector on the board and connect it to the next board to be upgraded.

HHT Power Source

The HHT does not require a separate power source. The unit is powered from the RJ-11 connector on the peripheral equipment. The 9V battery and 9-12V DC adapter connection are not used on this model. The HHT includes a standard male RJ-11 to male RJ-11 cable.

If HHT does not power up, make sure that the Power Switch (no.1) is in “HOST” position, please refer to the *HHT Device Front Keypad* section.