



## **MX500/MX510/MX512 Program Upgrade Procedure**

Items needed:

1. USB memory stick [256 MB (min) up to 2 GB size (max) ]
2. Windows PC running Windows XP or better

Upgrade the software and Bootloader in the order below:

### **Step #1: Format the USB memory stick**

1. Using a PC running the Windows XP or higher, format the USB using FAT32 file system.
2. Unzip the MX5xx program file in your PC. There will be three \*.BIN files that will be unzipped.
3. Copy all the uncompressed (\*.BIN) files into the USB stick.

### **Step #2: Store the WPT, RTE & CFG settings into the USB (Optional)**

1. Insert the USB stick into the front USB connector of the MX5xx unit.
2. Press the CFG key.
3. Scroll down to USB menu.
4. Press the EDIT key.
5. Press the ENT key to change the “USB Connected ...No” to Yes.
6. The MX51x will detect the USB stick and will indicate the device type when detected.
7. Scroll down to “Data Type ..... Waypoint”. Note the CHANGE softkey is highlighted.
8. Press the ENT key several times until the data type value reads “All”.
9. Using the left arrow key, move the softkey highlight to “Save to USB”.
10. Press the ENT key to accept.
11. Answer YES to perform this operation by pressing the ENT key.

Note: When restoring the data back to the MX51x unit after re-programming follows the same procedure above but this time using the RESTORE softkey. Restore only the waypoint and route data after updating to a newer software version. Do not restore the configuration (CFG) data. Doing so may cause the MX51x unit to fail when scrolling through the configuration menu.

### **Step #3: Procedure to upgrade program:**

1. Insert the USB memory stick containing the program (\*.BIN) files into the front (or back) USB connector.
2. Press and hold the #1 key.
3. Turn ON the power. The CDU will recognize the #1 key depression and automatically start the programming process.
4. At the end of the programming, the display will normalize to POS screen.

**Step #4: Procedure to upgrade the BOOTLOADER software:** (Skip this step when the old version was V3.0(240) or higher)

1. Press the AUX key several times until the AUX7 screen appears.
2. Press the EDIT key.
3. Enter the code "2255464611".
4. Press the EDIT key.
5. Press the EDIT key again.
6. Highlight the UPDATE BOOTLOADER softkey
7. Press the ENT key.
8. The bootloader update will start. When the process is completed, the unit will go OFF.
9. Remove the USB stick and turn ON the power.
10. End of procedure.