# MOTOROLA

## INSTRUCTIONS FOR REFLASHING YOUR PROFESSIONAL SERIES PORTABLE RADIOS

Welcome to the Motorola Professional Series Reflashing Instruction website.  This software will allow Motorola Authorized Two-Way Radio Dealers to upgrade firmware enhancements on their Professional Series portable radios.  Please following the instructions below when reflashing the following radios:  HT750, HT1250, MTX.LS, MTX.8250.LS

## Reflashing Your Professional Series PORTABLE:
## Requirements:
- Reflashing software which is provided on the dealer web site
- Reflashing Adapter - HLN9742**A** or HLN9742**B** - Note: The "B" version adapter will allow you to reflash BOTH the mobiles and portables, and the "A" version adapter only allows for reflashing of the portables. When using the version B adapter – switch the adapter to the A position if you are reflashing a portable, and the B position if you are reflashing a mobile.
- Either the ribless programming cable (RKN4075) OR the programming cable (AARKN4074) with a RIB
- Computer – Minimum Requirements:

    | | |
    |---|---|
    | RAM | 16 Mb |
    | Hard Disk Space | 10 Mb |
    | Display Type | VGA 16-Color |
    | CPU | 486 133MHz |

## Portable Reflashing Instructions:
*(Note: These instructions must be followed in the exact order to work properly and if you have any questions please contact Product Services at 1-800-927-2744, prompt #3):*
1.  Launch the upgrade kit on your PC.
2.  Secure adapter and attach programming cable to your portable radio and make sure that your reflashing adapter is in the OFF position. *(See Fig. 2 and Fig. 3 below for set up).*
3.  Turn the radio knob ON.
4.  Click on PROGRAM on the reflashing tool (you will then see instructions pop up on the screen).
5.  Select the baud rate and hit OK.
6.  Follow screen instructions, which are:
    A.  Turn your reflashing adapter ON (or in the A position if you are using an HLN9742B adapter).
    B.   Remove the battery from the radio and then reattach the battery.
    *WHEN THE BATTERY IS REATTACHED, THE RADIO DISPLAY WILL BE BLANK AND THE RADIO WILL APPEAR TO NOT BE FUNCTIONING EVEN THOUGH THE KNOB IS IN THE ON POSITION.  THIS IS CORRECT!!! THE RADIO IS ACTUALLY IN BOOTSTRAP MODE WHICH IS REQUIRED FOR REFLASHING!*
7.  Hit OK.
8.  You will now see a status bar indicating the percentage completed.
9.  When the radio is reflashed, remove the radio from the programming cable and turn OFF the reflashing adapter (this is important, even if you are going to reflash another radio).

10. To reflash another radio, go back to step #2.


## Confirming the Firmware Version in Your radio:
- For display radios, you may view your software version via the menu on the radio (Select UTILITIES then SOFTWARE VERSION).
- For non-display radios, you may read the software version via your Professional Series version 5.0 (or higher) CPS (Customer Programming Software).

## Special Notes:
- Depending on your computer, operating system and baud rate – reflashing times may vary. We recommend using a ribless cable at 115k baud for a faster reflashing rate.
- Once you begin to reflash a radio, it's important not to interrupt the program (this may cause recovery problems in which the radio may not operate anymore). If your radio gets interrupted during reflashing, you will be instructed on the software how to attempt to recover the firmware reflashing. If the radio is unrecoverable, the radio must be returned to the Rockford depot for repair.
- There is also a readme file available in the software, which includes additional tips and directions.


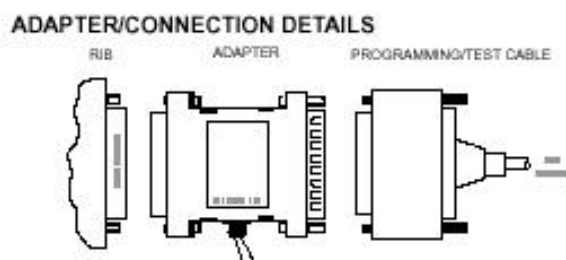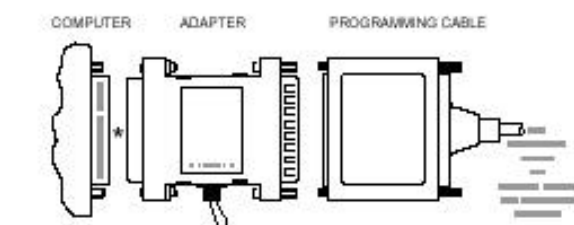## Adapter / Programming Cable Set Up *(Figure 2 & Figure 3):*



Figure 2. Adapter with RIB and Programming/Test Cable

Figure 3. Adapter with Computer and Programming Cable


## Downloading the Portable Reflashing Software:
To access the latest firmware to reflash your portable radio, please exit this screen and go back to the main webpage under "Firmware/Flashing". Once you are on the main page, you can select :

Firmware Download – HT750, HT1250, MTX.LS, and MTX8250.LS Reflashing Software