



## Downloading Hex Images to the Symbol Portable Data Terminal

This section describes the procedures for loading the data collection program onto the portable data terminal.

Note: The hand held unit **MUST** be in the cradle. Make certain that a null-modem cable is connected to Com 1, or Com 2 if applicable, of the PC and to the cradle, and make sure power is going to the cradle. If you are using a cradle that will also recharge an extra battery, make sure the extra battery is removed from the cradle.

**HH** = Hand held step                      **PC** = Computer step

\*If this is a new unit you will need to load 3 files in the following order: [RFlex Images](#)

1st: LWP file

2nd: UPD file

3rd: Then the latest RFlex file

\*You will load all three of these files using the steps 1 - 23 for each different file. After you finish loading and the Configurator screen appears you will want to go to the [documentation for configuring Symbol Pdts.](#)

\*If this is not a new unit and you just want to update your image then just go through steps 1 - 23 to update your image.

### To load the image: (Place hand held in cradle)

1. (HH) Power <**OFF**> the hand held unit.
2. (HH) Press and hold down the <**F**> and <**I**> keys simultaneously.
3. (HH) Press and release <**PWR**>.
4. (HH) Release the <**F**> and <**I**> keys.
5. (HH) At the '**Select Function**' prompt, press <**▼**>(down arrow key) to select '**Program Loader**'.
6. (HH) Press <**Enter**>.
7. (HH) At the message 'Warning: EPROM will be erased. Continue? <Ent>', press <**Enter**>.
8. (HH) At the 'Baud' prompt, press <**▲**> (up arrow key) until **38400** displays.
9. (HH) Press <**Enter**>.
10. (HH) Press <**Enter**> until the 'Flow Control' prompt displays.



11. (HH) Press <^> (up arrow key) until 'Xon/Xoff' displays.
12. (HH) Press <Enter>.
13. (HH) Press <Enter> at all other prompts until the 'Start? <Ent>' prompt displays.
14. (PC) Go to the DOS prompt on your PC. Select Start and then select Run. Type *command* in the box and click OK. The DOS prompt should appear.
15. (PC) Enter "cd\" plus the name of the directory that contains Sendhex and *Filename*.hex files and hit Enter.
16. (PC) You should see a prompt: C:\\"directory name"> come up.  
\*Directory name cannot be more than 8 characters.
16. (PC) Then type **SENDHEX *Filename* 38400 COM1**, press <Enter> (type COM2 if using comm port 2) – (38400 is baud rate – COM1 is default, does not need to be typed in, but COM2 does).  
  
\*The files you are loading have to be on your local drive and have to be unzipped.
17. (HH) Press <Enter> on the hand held.
18. (PC) Press <Enter> on the PC.
19. (HH) When download is complete you will see "done" on the DOS prompt and the hand held will show "Status 0000". Then remove the hand held from the cradle.
20. (HH) Power <OFF> the hand held unit.
21. (HH) Press and hold down the <A>, <B> and <D> keys simultaneously.
22. (HH) Press and release <PWR>.
23. (HH) Release the <A>, <B> and <D> keys. (Once the hand held has rebooted, a configuration screen will appear and you will want to proceed to the [documentation](#) for configuring Symbol PDTs)
24. (HH) "Format Flash Y/N" will appear. For loading the LWP say "Yes".



**Note: If you reboot the terminal and after going through "BootP" and "Connecting" the following message appears:**

"Cannot Find Boot Server, timeout" and then goes to a D: prompt then your terminal has already been set for DHCP but needs to be changed to Manual. The following procedure details from the D: prompt how to go to config and change your terminal to Manual.

- 1) At the D: prompt type in cfg24 and hit Enter
- 2) In the Config screen scroll down choose Boot Mode
- 3) Change the boot mode to Manual and hit Enter to save the setting
- 4) Go to the MUIP address and give the terminal an address
- 5) Hit Clr
- 6) At the D: prompt power unit off
- 7) Press and hold down the <4> and <5> keys simultaneously.
- 8) Press and release <PWR>.
- 9) Release the <4> and <5> keys.

**Note: the following changes during the reboot procedure from the above procedures.**

1. (HH) During the reboot process there will be a prompt "**Update Software Y/N**" – Select <Y> (there is approximately a 3-second delay before the HH restarts the boot process without updating software).
2. (HH) There will be a prompt "**Update Protocol Y/N**" – Select <Y>.
3. (HH) At the next prompt, select "**3**" – Make 802.11.
4. (HH) The next prompt will request a password – the password is **RFPROT** (the password will appear as \*\*\*\*\*).
5. (HH) The HH will complete the boot process and will return to the configuration screen.

**Cold Boot:**

1. (HH) Power unit off.
2. (HH) Press and hold down the <A>, <B> and <D> keys simultaneously.
3. (HH) Press and release <PWR>.
4. (HH) Release the <A>, <B> and <D> keys.

**Warm Boot:**

1. (HH) Power unit off.
2. (HH) Press and hold down the <4> and <5> keys simultaneously.
3. (HH) Press and release <PWR>.
4. (HH) Release the <4> and <5> keys.

**Comm Boot:**

1. (HH) Power unit off.
  2. (HH) Press and hold down the <F> and <I> keys simultaneously.
  3. (HH) Press and release <PWR>.
- (HH) Release the <F> and <I> keys.