MOTOROLA

PST
version 2.8.8.4.2
User Guide

INDEX

INTRODUCTION

PST (Product Support Tool) is used for software upgrade (flashing), feature programming (flexing) and PIM management (backup/restore) of Motorola P2K products.

The latest version of PST and Flash & Flex files may be downloaded from www.gsmunlock.com

PST also supports software upgrading of several phones at the same time, called Multiflash. Multiflash support up to 127 phones by using an external USB hub which reduces the time to upgrade phones considerably.

SYSTEM REQUIREMENTS

SERIAL REQUIREMENTS:

- Windows 95*, Window NT, Window 98SE and Windows 2000
- Available Serial Port
- 32MB Ram
- 486.66MHz Processor
- 20MB available disk space
- Mouse or equivalent pointing device
- CD ROM Drive
- VGA Graphics
- Serial Interface Cable
- Security Key (HASP4 Dongle)

* In order for the PST to install properly on Windows 95, the user must have DCOM95 version 1.3, and Microsoft Data Access Components (MDAC) 2.5 SP1 installed on their computer before installing the PST.

USB REQUIREMENTS:

- Window NT with Service Pack5 or greater, Window 98SE, and Windows 2000
- Available USB Port
- 32MB Ram
- 486.66MHz Processor
- 20MB available disk space
- Mouse or equivalent pointing device
- CD ROM Drive
- VGA Graphics
- USB Interface Cable
- Security Key (HASP4 Dongle)

DESCRIPTIONS OF FILES NEEDED

FLASH FILES
To upgrade a P2K phone two different files is needed, a "Core Flash File" which includes the main software and a "Language Pack Flash File" which includes the different languages for the region selected.

For some software releases a "Full Flash File" may be available where the "Core Flash File" and the "Language Pack Flash File" are included as one file only.

The file format for Flash Files is SHX.

Example:
Full Flash File format: SAP4_G_01.05.02R_lang000B_full_flash.shx
Core Flash File format: SAP4_G_01.05.02R_flash.shx
Language Pack Flash File format: SAP4_G_01.05.02R_lang000B_flash.shx
The text in blue represents the internal Product name, the text in green represents the System, the text in red represents the Version and the text in purple represents the Language Pack.

Language Pack 000B: English, Norwegian, Danish and Swedish.
Language Pack 000C: English, Estonian, Swedish and Finnish.
Language Pack 000D: English, Lithuanian, Latvian and Russian.

FLEX FILES
After the Flash procedure the phone needs to be Flexed in order to activate the correct settings. The Flex File to use is selected by the package number of the phone.
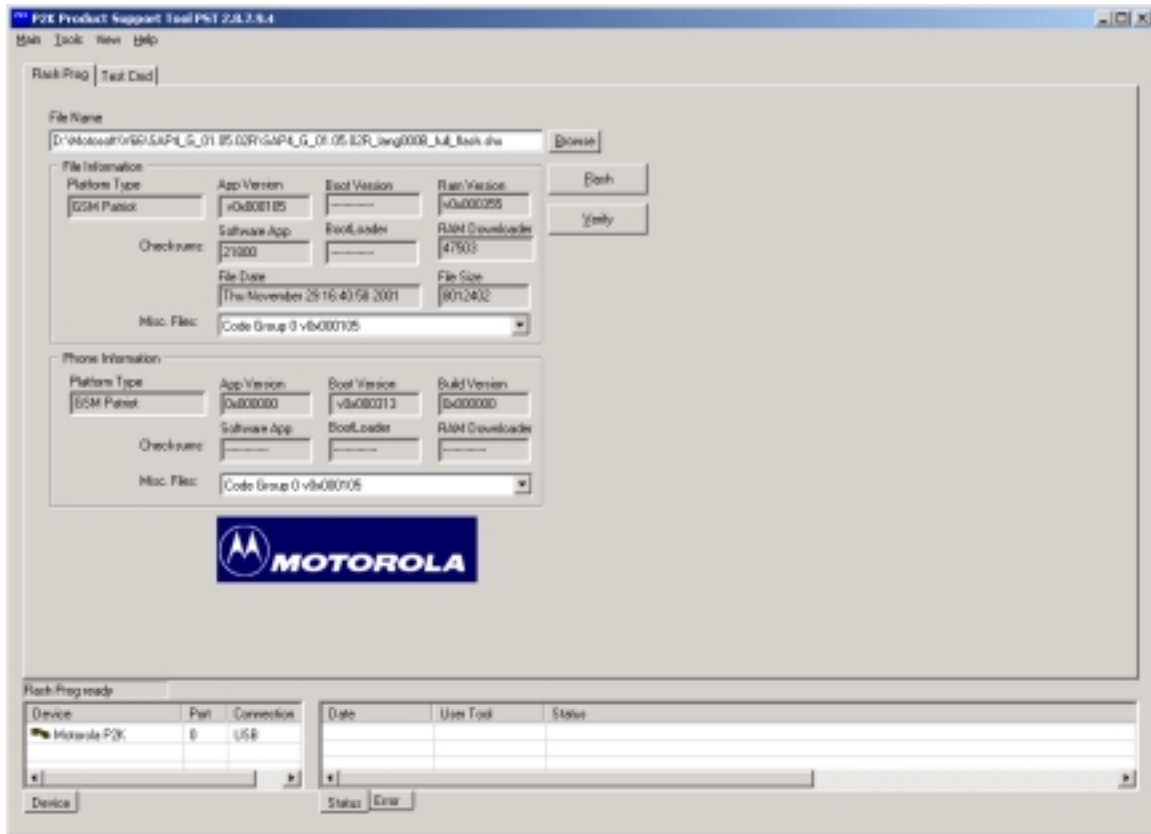
The file format for Flex Files is HS.

Example:
Flex File format: SE3352AXXM10C4.hs
The text in blue represents the Package Number and the text in green represents the version of the Flex File.

FLASHING & FLEXING PROCEDURE P2K PRODUCTS USING FULL FLASH FILES
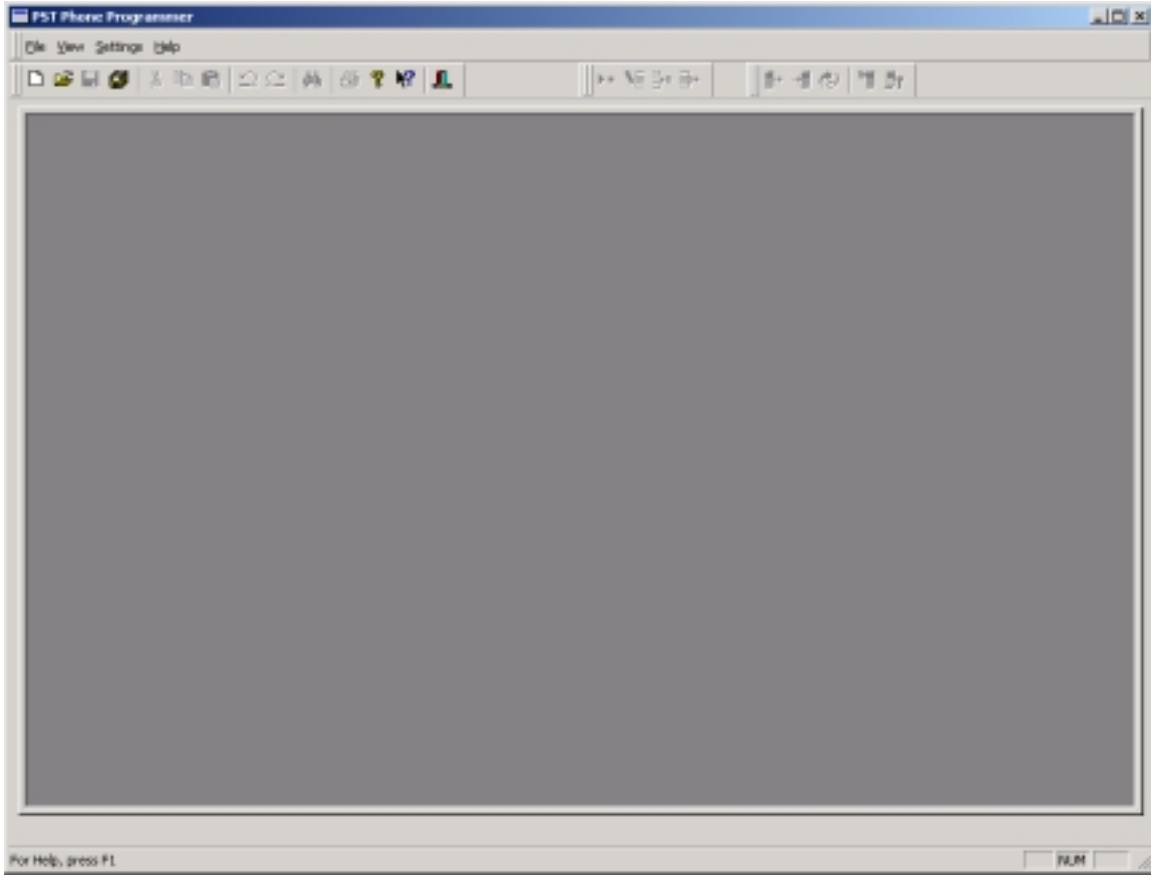
FLASHING:

1. Start up PST Flash & Test Commands
2. Connect the phone to the PC via the USB flash cable, use a fully charged battery to power the phone
3. Start up the phone, a Motorola P2K device shall appear in the device window
4. Click Browse and select the Full Flash File (SHX format) to use

5. Mark the phone in the Device Window
6. Click Flash
7. When the flashing procedure is finished the phone will power down
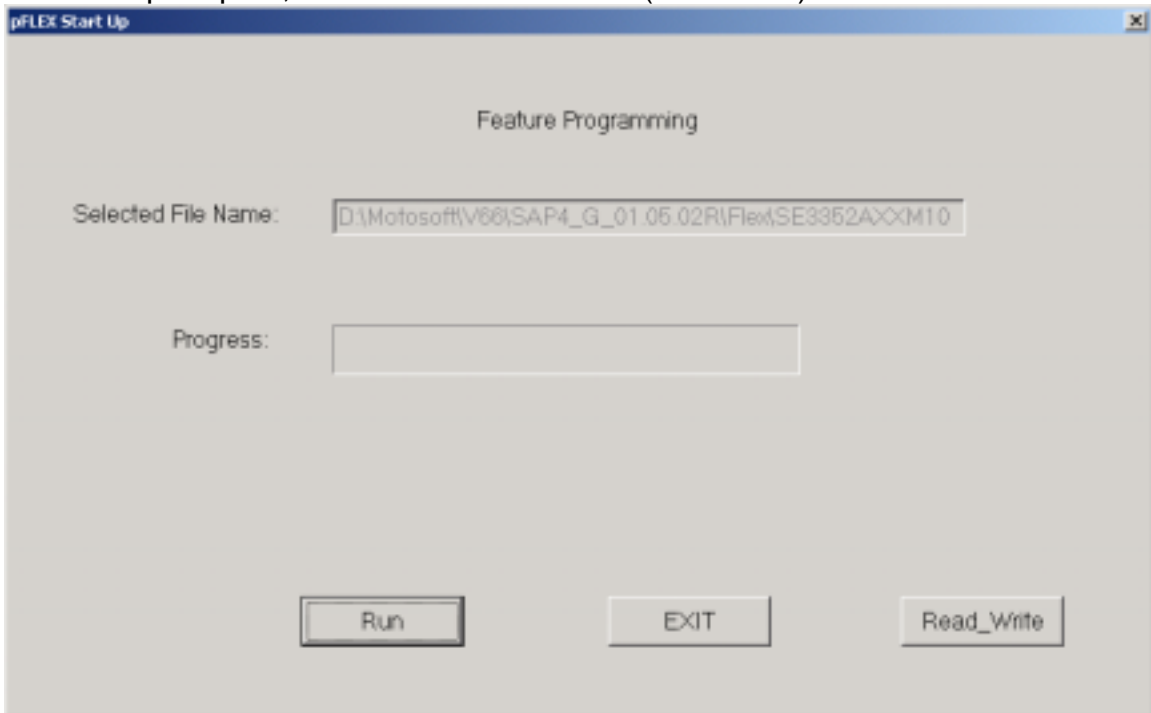8. Close down PST Flash & Test Command window

FLEXING:

9. Start up the phone
10. Start up PST Phone Programmer

11. Click File / Open / pFlex
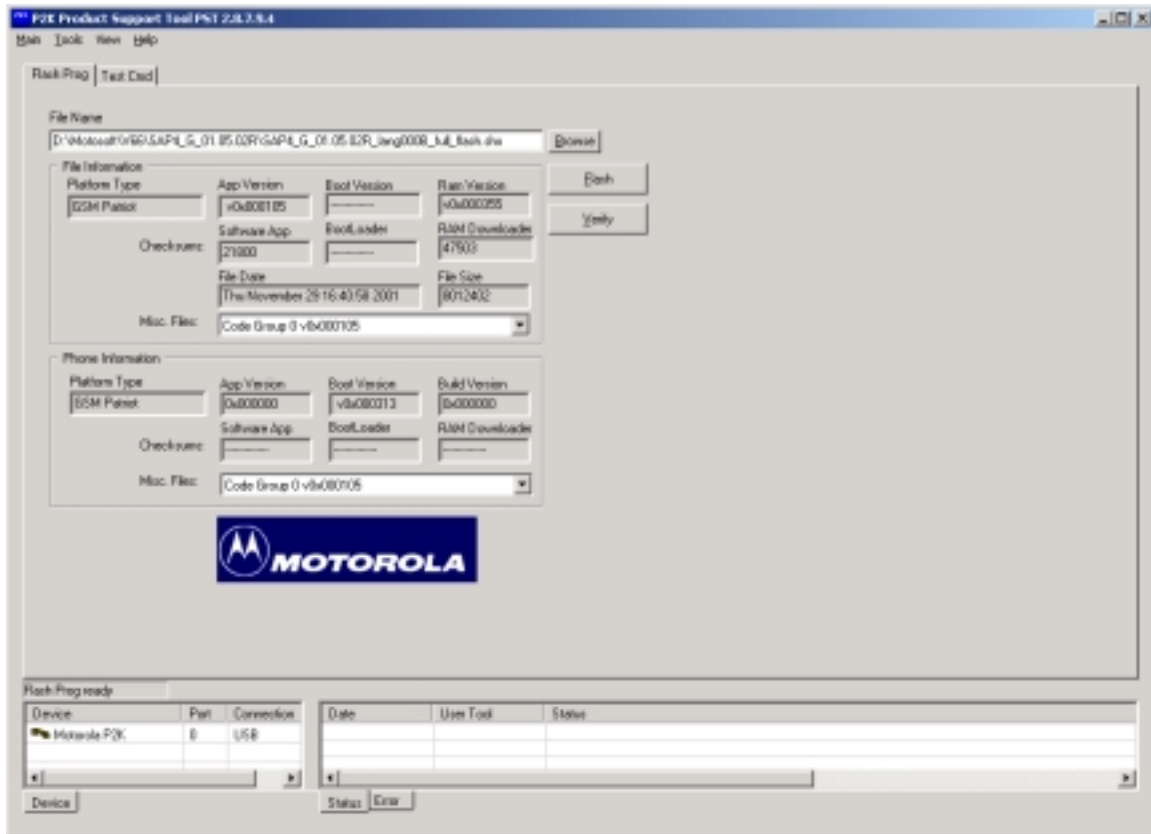12. When prompted, browse for the Flex File (HS format) to use

13. Click Run
14. When the flexing procedure is finished the phone will power down
15. Click Exit and close down PST Phone Programmer window
16. Start up the phone with a SIM card attached (test SIM not needed for P2K phones)
17. Enter test mode (Upcode) by pressing [MENU]048263* on the phone keypad (the sequence must be entered quickly)
18. Perform a master clear by pressing 18*1 on the phone keypad
19. Now the phone is upgraded and ready to use

FLASHING & FLEXING PROCEDURE P2K PRODUCTS USING CORE & LANGUAGE PACK FLASH FILES

FLASHING:

1. Start up PST Flash & Test Commands
2. Connect the phone to the PC via the USB flash cable, use a fully charged battery to power the phone
3. Start up the phone, a Motorola P2K device shall appear in the device window
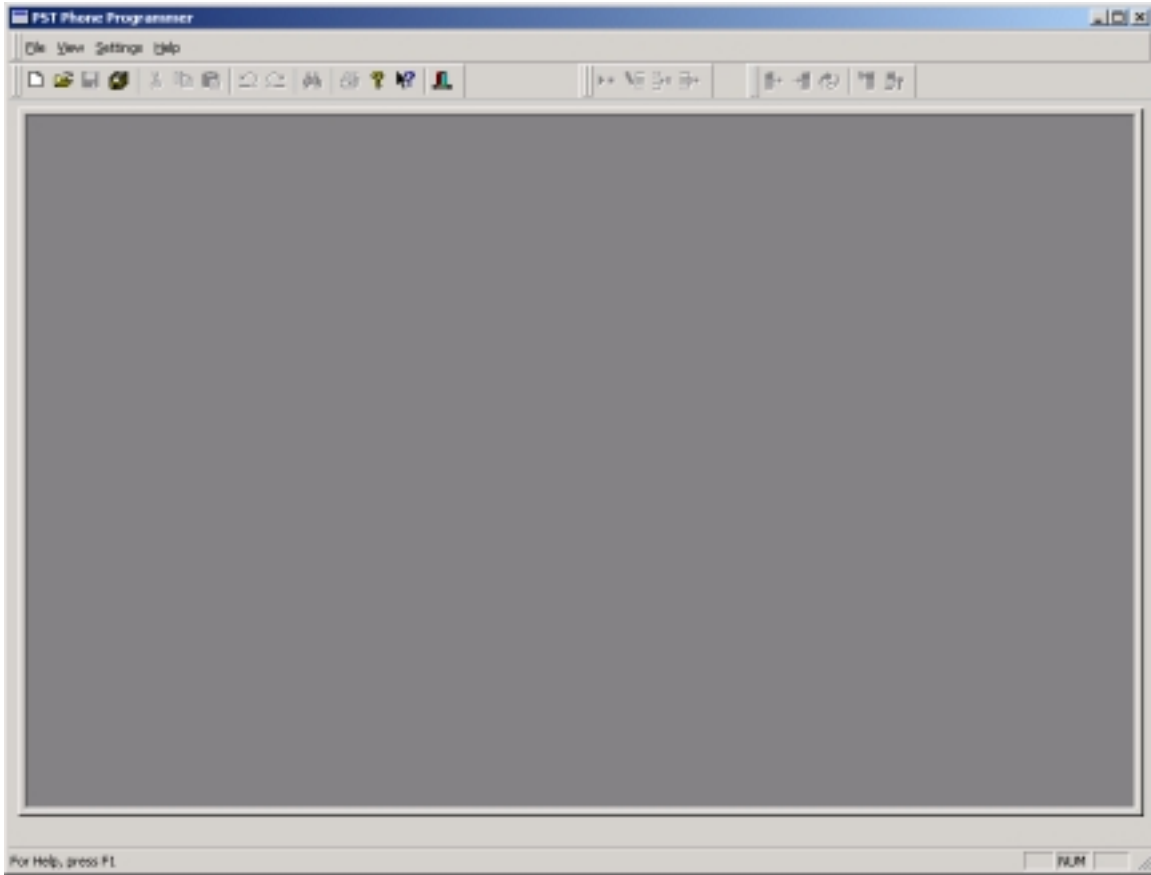4. Click Browse and select the Core Flash File (SHX format) to use

5. Mark the phone in the Device Window
6. Click Flash
7. When the flashing procedure is finished the phone will power down
8. Start up the phone, a Motorola P2K device shall appear in the device window
9. Click Browse and select the Language Flash File (SHX format) to use
10. Mark the phone in the Device Window
11. Click Flash
12. When the flashing procedure is finished the phone will power down
13. Close down PST Flash & Test Command window
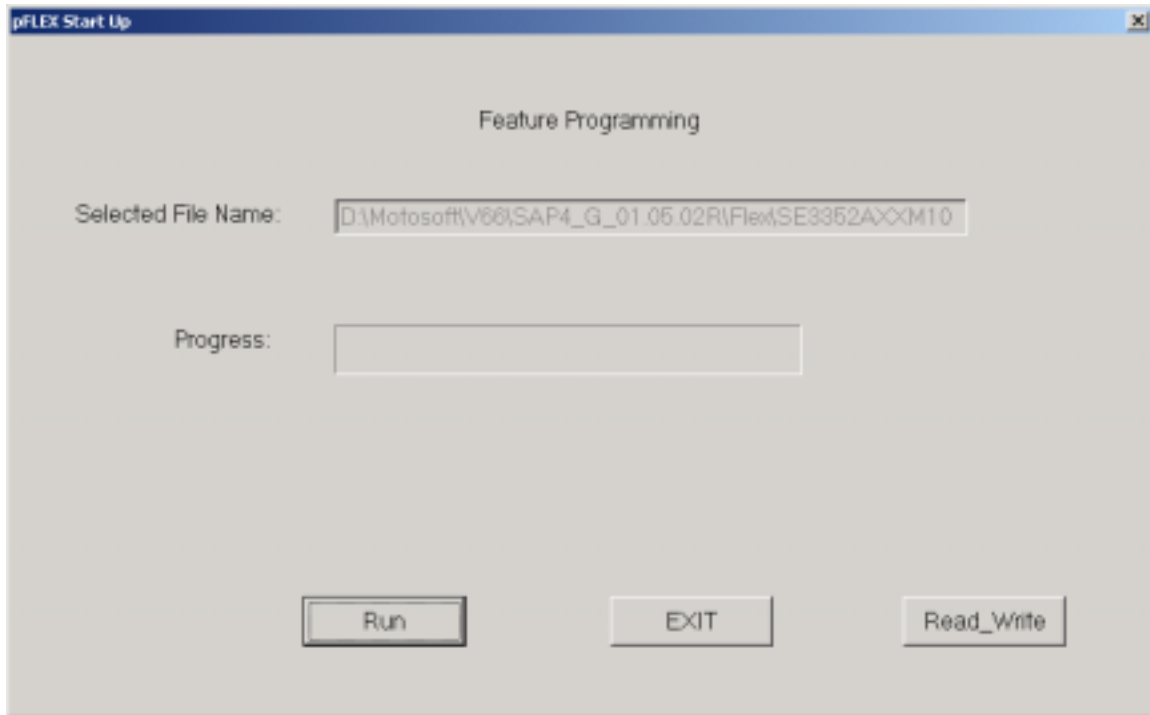
FLEXING:

14. Start up the phone

15. Start up PST Phone Programmer

16. Click File / Open / pFlex
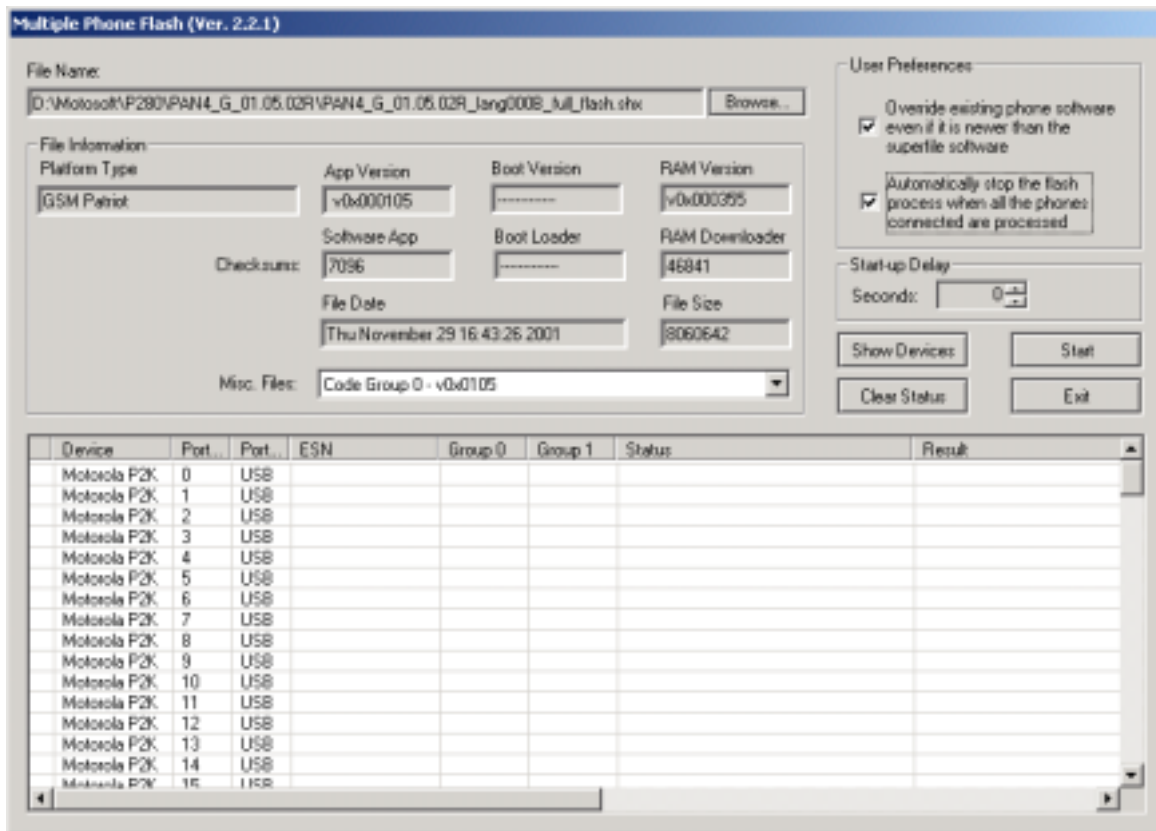17. When prompted, browse for the Flex File (HS format) to use

18. Click Run
19. When the flexing procedure is finished the phone will power down
20. Click Exit and close down PST Phone Programmer window
21. Start up the phone with a SIM card attached (test SIM not needed for P2K phones)
22. Enter test mode (Upcode) by pressing [MENU]048263* on the phone keypad (the sequence must be entered quickly)
23. Perform a master clear by pressing 18*1 on the phone keypad
24. Now the phone is upgraded and ready to use

MULTI FLASHING & FLEXING PROCEDURE P2K PRODUCTS USING FULL FLASH FILES
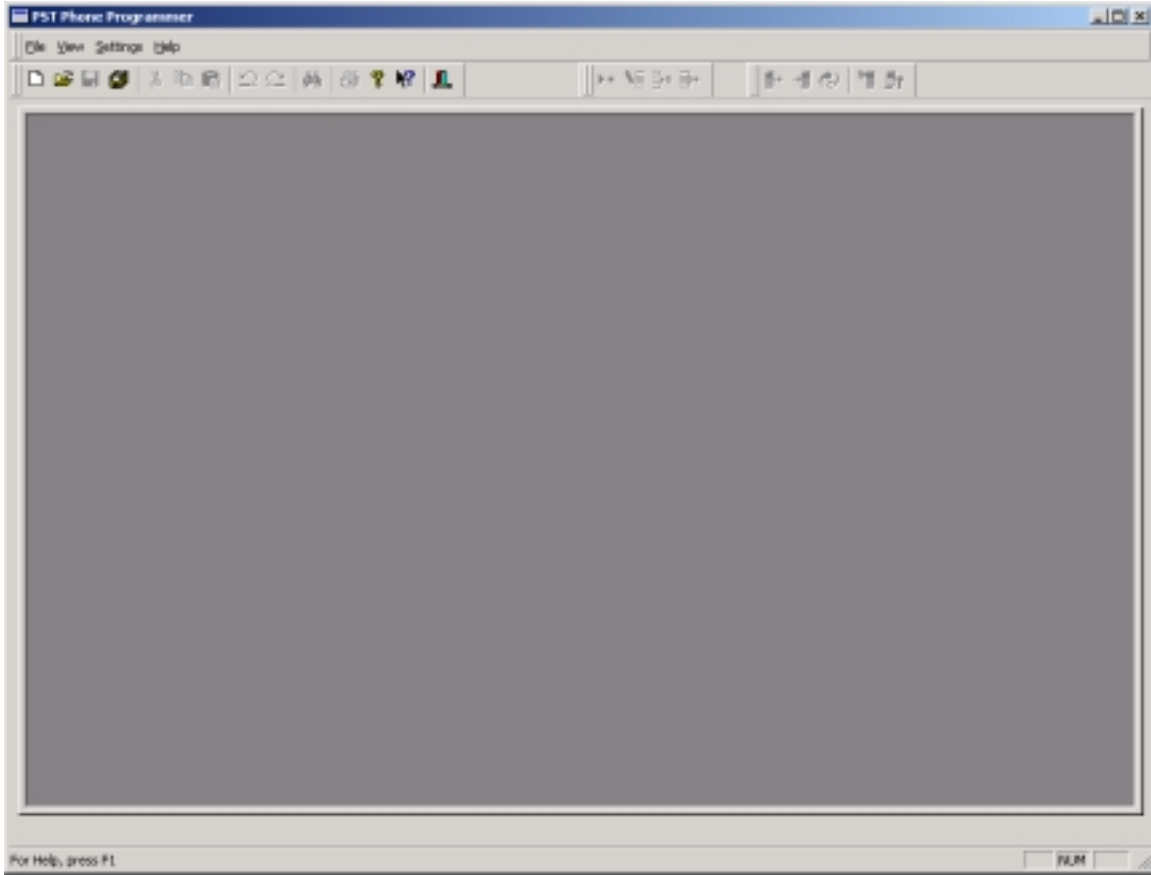
MULTIFLASH:

1. Start up PST Multiflash (C:\Program Files\Motorola\PST\multiflash.exe)
2. Connect the phone to the PC via the USB flash cable, use a fully charged battery to power the phone
3. Start up the phones and click Show Devices
4. Click Browse and select the Full Flash File (SHX format) to use

5. Make sure the User Preference "Automatically stop the flash process when all the phones connected are processed" is checked
6. Click Start
7. When the flashing procedure is finished the phones will power down
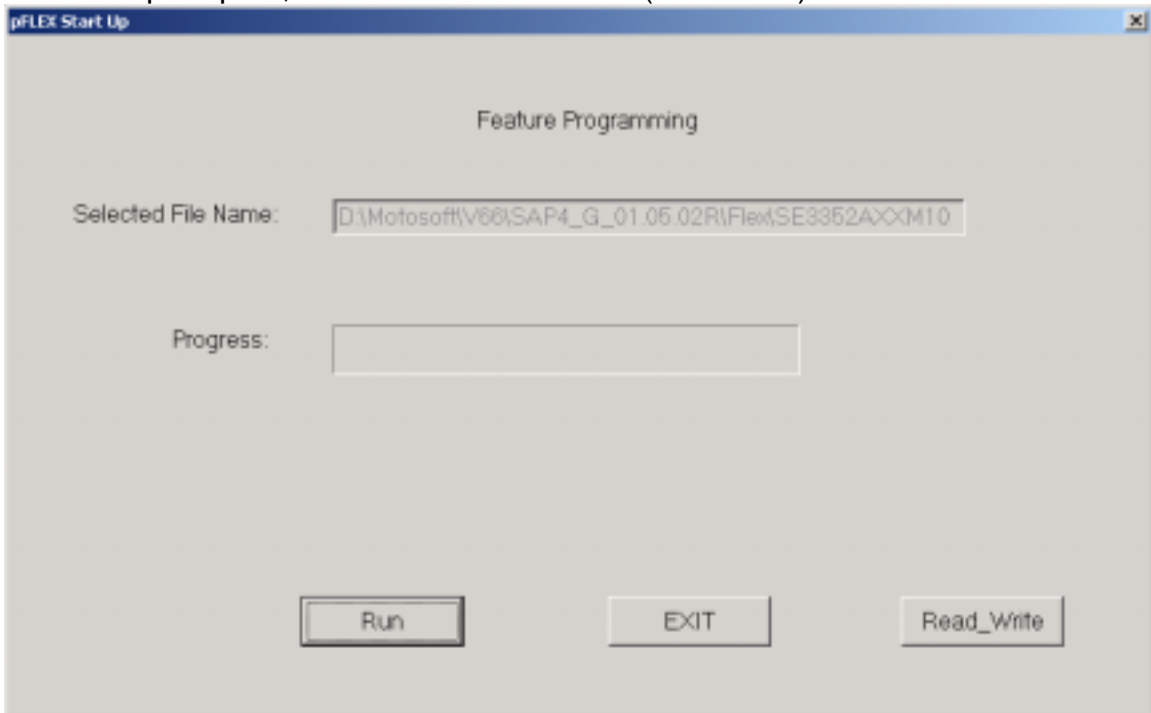8. Click Exit to close down the PST Multiflash window

MULTIFLEX:

9. Start up the phones
10. Start up PST Phone Programmer

11. Click File / Open / pFlex
12. When prompted, browse for the Flex File (HS format) to use

13. Click Run
14. When prompted if you want to flex all phones connected, click Yes
15. When the flexing procedure is finished the phones will power down
16. Click Exit and close down PST Phone Programmer window
17. Start up the phones with a SIM card attached (test SIM not needed for P2K phones)
18. Enter test mode (Upcode) by pressing [MENU]048263* on the phone keypad (the sequence must be entered quickly)
19. Perform a master clear by pressing 18*1 on the phone keypad
20. Now the phones is upgraded and ready to use