Replacing System Software on iKon
Overview

This article describes what you need to do to replace the software on the Ikon (7505) hand held computer.

While the software is originally installed in the factory, updates may become available over time. These updates will be posted on the Psion Teklogix Community

> **Important**
> *Upgrading software as described in this section is likely to overwrite configuration settings in your Ikon.* You should save the unit's settings in a backup profile on a removable storage device, using Total Recall. A USB memory key works well for this purpose. Do not save the profile to the system flash memory on the main logic board (MLB), as the MLB may be replaced later during service.
>
> In most circumstances, the user's files will not be affected by a software upgrade, unless the MLB of the device is replaced. However, it is good practice to backup all the user's files to a removable memory device as a safety precaution.

Memory Devices Required for Software Updates

When updating software in Psion Teklogix Devices, you will need memory devices such as USB keys or SD cards.. In general, the following equipment should be available when performing software updates:

- USB Memory Keys (minimum capacity 512 megabytes)
- SD Memory Cards (minimum capacity 512 megabytes)

Not all memory devices provide reliable operation on Psion Teklogix Devices. The following manufacturers and model numbers are preferred:

USB memory cards and devices:

- Verbatim USB keys (256MB, 1GB and 2GB)
- SanDisk Cruzer mini 256MB and 1GB
- Sony Micro Vault 256MB
- Kingston DataTravler 1GB
- Imation Swivel 1GB
- Verbatim Store 'n' Go 4GB USB HD drive

SD memory cards:

- Sandisk Industrial cards

Replacing System Software

Note:
The Ikon Windows images are now provided as Multi-images that contain the Operating System, FPGA, PCon and BooSt images.

Note:
Software update instructions are identical for Windows CE and Windows Mobile

Using a Micro-SD Card

Use the following steps to perform a software update:

1. Obtain the released Ikon Multi-image (e.g. 7505_WINCE_5_MULTI_4.0.626_I308o.img) and rename it to "7505os.img".
2. Copy the renamed file onto a Micro-SD memory card.
3. Insert memory card into card slot under your battery in the Ikon.
4. Boot the Ikon to Boost. (Press and hold Blue+Left Front Scan+Enter for 6 seconds) The device will discover the image and will automatically load all components included in the image.
5. For Windows Mobile only, install the add-on .cab file provided with the image.

   Note:
   You may need to reconfigure or restore any changes made to the system configuration. The registry will be set to default values if the new OS determines that the previously-existing registry values are not compatible.

Using a Docking Station

The Ikon Single dock provides power and two USB connections, USB A and USB B that cannot be used simultaneously. Use the plastic slide to access either port A (slide to the left) or port B (slide to the right).

Use the following steps to perform the software update:

1. Obtain the released Ikon software multi-image and rename it to "7505os.img"
2. Copy the renamed file onto a USB drive and insert it in the USB-A port
3. Boot the Ikon to Boost.
   The device will discover the image and will automatically load all components included in the image.
4. For Windows Mobile only, install the add-on .cab file provided with the image.

   Note:
   You may need to reconfigure or restore any changes made to the system configuration. The registry will be set to default values if the new OS determines that the previously-existing registry values are not compatible.

Loading Image from RAM

Important:
Make sure that USB driver is properly installed in your PC before using this method otherwise, your PC will not recognize the 7505 device. Use the USB Setup Utility to install driver.

Use the following steps to perform the software update:

1. Dock Ikon device onto the docking station.
2. Connect one end of USB cable to Docking Station USB-B Port and the other end to your PC.
3. Boot the Ikon to Boost
4. Ikon device will connect to your PC (Host) as a USB client and will be recognized as a "USB device". A drive letter will be assigned. <Example: Removable Disk E:>.
5. Obtain the released Ikon Multi-image (e.g. 7505_WINCE_5_MULTI_4.0.626_I308o.img) and rename it to "7505os.img".
6. Copy the renamed file onto the <Removable Disk E:>. This is the Ikon device RAM.
7. Disconnect the USB cable.
8. The Ikon device will discover the image and will automatically load all components included in the image.
9. For Windows Mobile only, install the add-on .cab file provided with the image.

> **Note:**
> You may need to reconfigure or restore any changes made to the system configuration. The registry will be set to default values if the new OS determines that the previously-existing registry values are not compatible.

Installing the Windows Mobile add on .cab file

The add on .cab file for WM6 is released at the same time as the software multi-image. The file name is different depending on the language of the OS. It has to be installed after the OS software update is complete.

> **Note:**
> Applications installed in this way are persistent unless a "Clean Start OS" is performed it which case they have to be reinstalled. TotalRecall can be used to backup your files is on an external medium (e.g. Micro-SD card, USB drive).

Here is how you install the add on cab:

1. Copy the add on .cab onto a USB drive or Micro-SD card
2. Connect the USB drive to Ikon using a Single Dock or insert the Micro-SD card in the SD slot in the battery compartment.
3. Look for the file on the Ikon using File Explorer. The file name should be similar to the one below:

```
7505_WM6_ADDON\_ WWE_CLA \_2.0.585_D168k.cab
7505 - product number
WM6 - OS, it can be WM6 or CE5
ADDON - this is an add on .cab file
CLA\- WM6 type, it can be CLA for Classic and PRO for
Professional
WWE - worldwide English. Other options are SCH, CHN, JPN, FRA,
etc.
2.0.585 - software version
D168k - software date code
.cab - file extension. .img is used for OS images
```

4. Tap on the file to install its contents
5. Perform a warm reboot on the Ikon by holding down the [BLUE] and [Enter] keys for 3 seconds.