Vision 3

Pocket Vision

v1.2 - Technical Guide

Local Vision Server Users (LAN)

INPS

Table of Editions and Contents

Date	Version	Contents	Output
26.02.07	v1.2	Technical guide Upgrading to v1.2 Local Vision Server users (LAN)	pdf

Contents

POCKET VISION AND POCKET VISION LAPTOP EDITION 1

About this User Guide 1

Technical requirements 1
- Clinical System and Server Requirements 1
- Workstation Requirements 1
- PDA Device 1
- Laptop Requirements 2
- Installation 2

Vision Scheduled Extract 3
- To set up the Vision Scheduled Extract 3
- Delete a Vision Scheduled Extract 4
- To run Vision Scheduled Extracts manually 4
- Vision Scheduled Extract Completion 5
- Checking the Vision Extract 6

Sinch - PDA or Pocket Vision Laptop 7
- Extract, download and upload 7
- Running the download / upload (sinch) 8
- Sinch Error Messages 10

Pocket Vision and Pocket Vision Laptop Edition

About this User Guide

This guide is for those who administrate the IT systems at practices or users who would like more detailed information on Pocket Vision and how it works.

Technical requirements

Clinical System and Server Requirements

Pocket Vision is available to Vision 3.0 clinical system users, operating on a Windows NT4 server as a minimum. The server will also require sufficient space on the hard disk to accommodate the Pocket Vision dataset generated as a scheduled overnight event. The size of the Pocket Vision dataset depends on the practice patient list size.

Workstation Requirements

For Pocket Vision, if your chosen PDA device connects to the workstation using USB, then the operating system on this workstation must be Windows XP. NT workstations do not support USB connectivity. If you wish to connect to an NT workstation, then you must use a serial connection.

PDA Device

The following table shows the required specification and also a list of recommendations for a pocket PC:

	Required	Recommended
Screen size (W x H)	240 x 320	480 x 640
RAM	32 MB	64MB
ROM	64 MB	128MB
Expansion slots	SDIO	CF and SDIO
Processor speed	200 MHz	600 MHz
Operating System	Windows Mobile 2003	Windows Mobile 5.0

Note that if your list size is over 10,000 patients, it is recommended that the PDA has 128Mb of RAM. The PDA devices are not supplied or supported by INPS. However, we are able to provide information about suitable devices.

Laptop Requirements

Pocket Vision Laptop Edition is only supported on laptops with Windows XP as the operating system. The laptop must be capable of accessing the practice network in the same way as a standard Vision workstation. Therefore the specification of the laptop needs to be equivalent to a standard Vision desktop machine.

The minimum specification for XP platform is:

- P3 450GHz or Celeron 600
- 256Mb RAM
- 4 GB HD
- 100Mbs NIC
- graphics card capable of supporting 600*800

Where the practice wish to re-use existing laptops that do not have the correct operating system, they can be re-built as long as they meet the minimum spec for XP as outlined above.

Installation

The Pocket vision software is a user install product and does not require you to purchase engineering time. However, should you wish an InPS engineer to install Pocket Vision, please request a quote via your account manager.

Pocket Vision Laptop Edition on laptops and workstations will be delivered through on-site engineering. The amount of engineering time required will depend on the number of the laptops to be configured and the also if the practice already have Pocket Vision installed.

Vision Scheduled Extract

A Vision scheduled extract will be set up by INPS when you first have Pocket Vision installed. Any subsequent upgrade will not affect the existing scheduled extract.

The purpose of the extract is to transfer data from Vision to Pocket Vision in order to keep the Pocket Vision databases up-to-date. As this process is scheduled to run silently and automatically every night, you will rarely need to think about it but sometimes it may be necessary for a new scheduled extract to be created, or for an ad-hoc extract to be run manually. The following sections describe how you can do this.

Note: Vision Extracts must always run on the main Vision file server

The first time the Pocket Vision extract is run, if your system already has a scheduled Reindex running, the command to run the timed Reindex is replaced by a command which runs Vision Scheduled Extract at the same time. The Vision Scheduled Extract will run the Reindex before completing the Pocket Vision data download.

The first time a Vision Extract is run, either after a new install or upgrade, it will be a FULL extract. Any subsequent Scheduled Extracts will automatically be INCREMENTAL. It is possible to run another FULL extract by running the process manually (see To run Vision Scheduled Extracts manually on page 4).

To set up the Vision Scheduled Extract

1. Open the command window by selecting Run from the Start menu. In the box marked Open, type: CMD
2. A text window will be displayed. Enter the command:-

```
AT 04:00 /EVERY:m,t,w,th,f d:\Vision\program\visssched.exe 1
```

   Where 04:00 is the time at which to run the schedule, the days on which it is to be run are represented by m,t,w,th,f and d:\vision\program\ is the path of vissched.exe. *N.B. The final character in this line is the number "one" rather than the letter "L".*

3. Type EXIT to close the window.

It is very important that you enter the full local file path to your Vision directory (usually D:\Vision\Program\) rather than the network path (O:\PROGRAM) - if you type the network path, then your overnight scheduled Reindex and data extract will not run.

Delete a Vision Scheduled Extract

To delete a Vision Scheduled Extract (for example, in order to reset it with a different time)

1. Open the command window.
2. Enter the command AT.
3. A list of tasks will be displayed. Make a note of the ID of the vissched.exe task.
4. Enter the command AT 1 /DELETE where 1 is the ID of the vissched.exe task.

To run Vision Scheduled Extracts manually

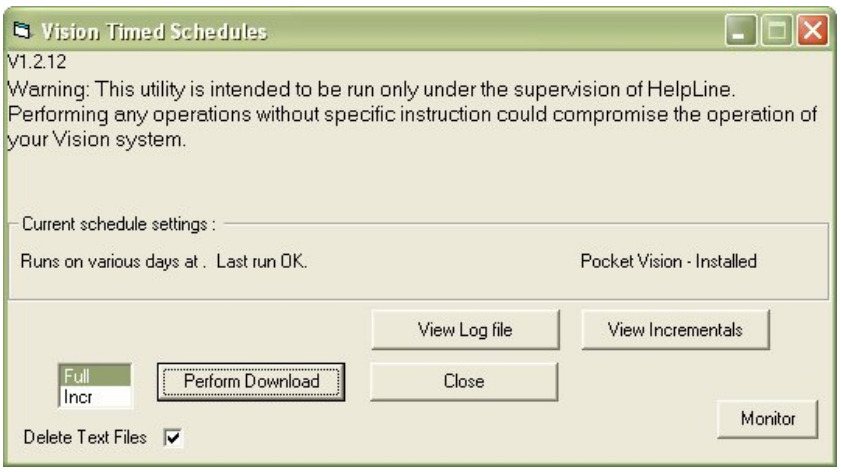
You may at times want to run the Vision Scheduled Extract manually, particularly when upgrading to PV1.2 but also at other times if you think the Pocket Vision database needs to be rebuilt or you want the most up-to-date Vision data possible.

You should already have a Vision Scheduled Extract set up to run automatically. Running it manually will not affect this. If you do not have an automatic timed scheduled set up, see the section To set up the Vision Scheduled Extract on page 3.

The extract can be run manually at any time, including when users are logged on to Vision. If there are users logged on to Vision, the Reindex will not take place when the extract is run. This will not be an issue as the next Vision Scheduled Extract, which runs during the night or the early hours of the morning, will run a reindex as usual.

The following instructions detail how to run the Vision Extract manually

1. Load vissched.exe from your Vision program directory by double clicking on vissched.exe. It will warn you if you are not running on the fileserver but on a workstation (a workstation is likely to be slower). It tells you when you ran the last extract and if it was successful.



2. Since the upgrade to version 1.2, you can choose to run incremental extracts (records that have been added, edited or deleted since the last extract), rather than a full extract. This will considerably reduce the time that Pocket Vision extracts take.

   If you want to rebuild your Pocket Vision database, you should run the FULL extract.

   If you just want to update your Pocket Vision database, then run a INCR(emental) extract.

3. Click the button Perform Download.
4. This extracts all (or if incrementally, the added, edited, or deleted) clinical data. A full extract also includes the READ and Multilex dictionaries. A final DOS screen appears before the message *Download and convert completed successfully*.

Vision Scheduled Extract Completion

It is vital that you allow every Vision Scheduled Extract to complete fully before running *Sinch.*

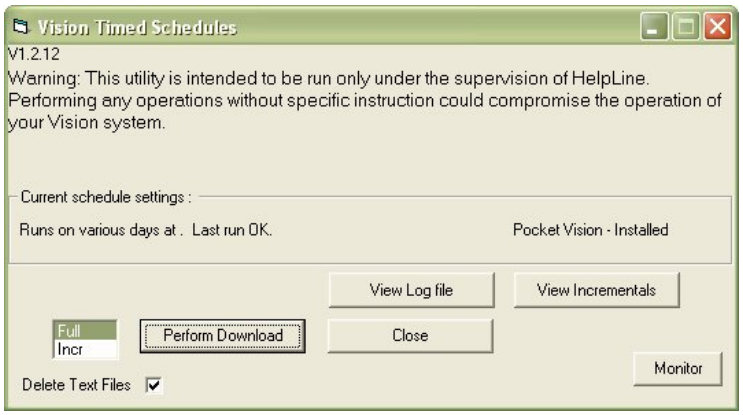
If you do not do this, then *Sinch* will fail and you will not be able to use Pocket Vision on your PDA.

The following details the stages that are visible during a manual non-silent Extract. If you are running a manual SILENT extract, you will not see any of these screens. The only way to be sure a silent extract has completed successfully is to check the vissched.log file that can be found in the same place as vissched.exe.

Vision Extract runs through the following stages:

If run manually in NON-SILENT mode, the following screen is displayed.

When run automatically or manually in silent mode, this screen does not display and the process moves to *Screen 2*



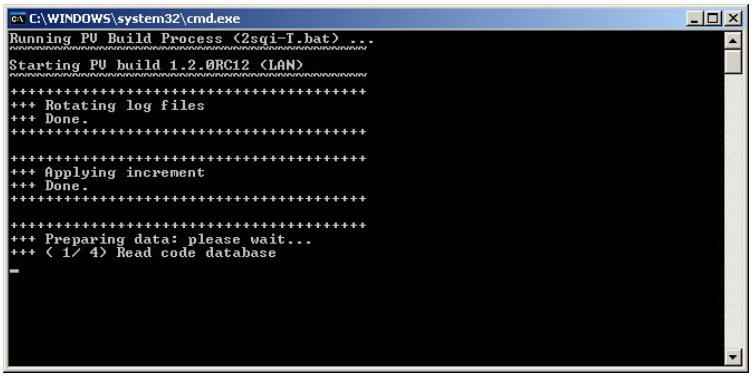
Screen 1

The data is extracted from Vision whilst the following screen is displayed.

Screen 2

A DOS based screen (shown on right) is displayed whilst the data is converted into the required format for Pocket Vision.

This screen may be displayed for around 30 minutes during the conversion process.



Screen 3

If run manually in NON-SILENT mode, the following screen is displayed at the end of the process.

Screen 4

If run automatically or manually in silent mode, the process ends once the DOS screen above (*Screen 3*) closes itself down.

Checking the Vision Extract

If you are not sure whether your Scheduled Vision Extract has run or is running regularly, you can check O:\Program\vissched.log, which will give you dates and times of the extract process running. If you have any doubts about whether the Vision Data Extract is running regularly please contact the INPS helpline.

Sinch - PDA or Pocket Vision Laptop

Extract, download and upload

Each night a copy of the main system database is produced and compressed into Pocket Vision format. This data is then downloaded as part of an automatic process to a PDA or multiple PDA's, or for Pocket Vision Laptop Edition, a laptop or multiple laptops connected to the practice network. Any information recorded on the PDA during the working day, is then uploaded back to the main practice database to reflect and changes or activity.

There are two stages to the process of transferring data between the desktop Vision system and Pocket Vision:

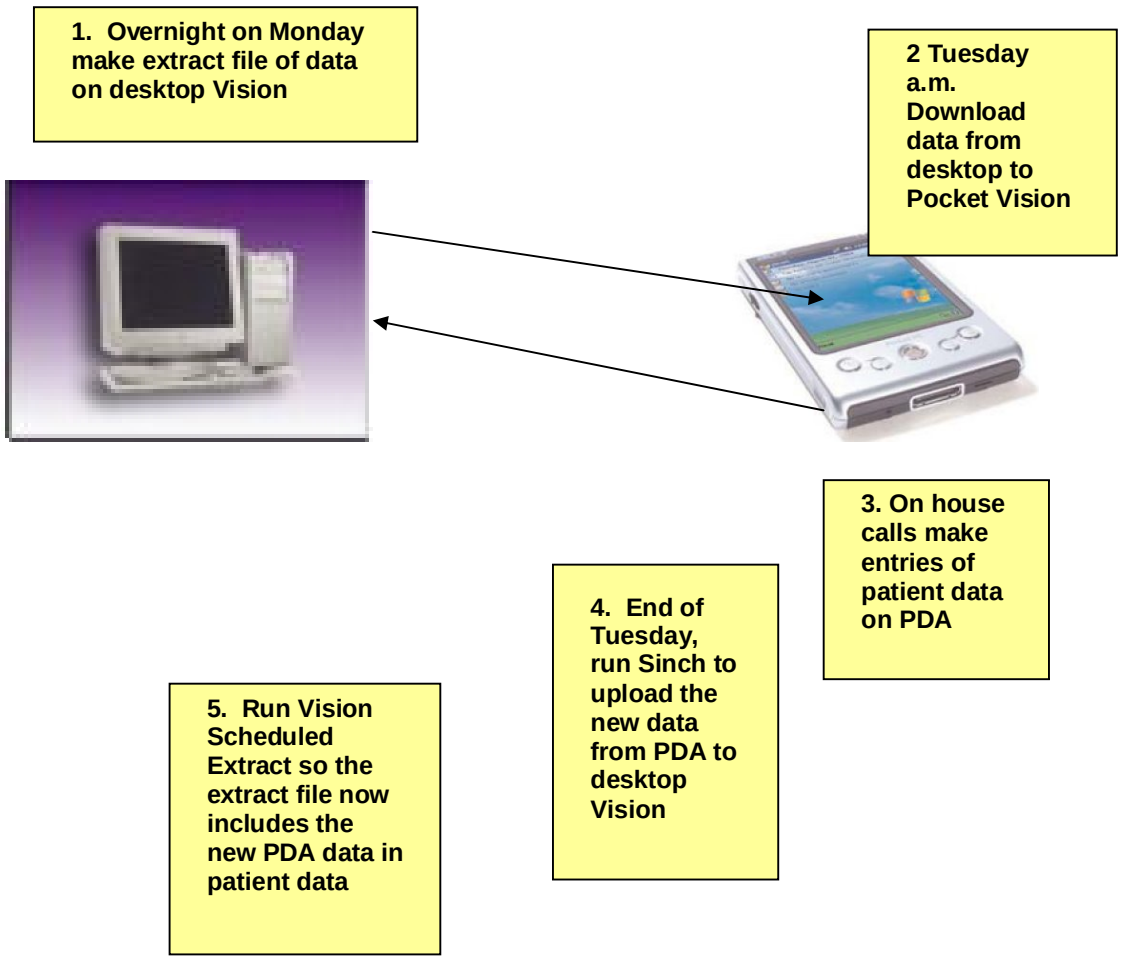
1. First, extract of the patient data, READ and Multilex dictionaries from the Vision system on to a Pocket Vision format database. This process, vissched, or Vision Scheduled Extract, is usually run automatically overnight as a scheduled process in "silent" mode. At the same time it carries out a reindexing, so all users must be off the system. It can also be run manually as a "one-off" in non-silent mode.

Note that since version 1.2, you should run incremental extracts (records that have been added, edited or deleted since the last extract) rather than full extracts, which will considerably reduce the time that Pocket Vision extracts take. Scheduled Extracts will default to incremental.

2. Secondly, downloading the Pocket Vision database from the Vision server on to Pocket Vision devices and at the same time, uploading new entries from Pocket Vision to the desktop Vision. This process, also known as Sinch or synchronisation, is run manually, placing the PDA on to its cradle to recharge its battery while carrying this out. See Running the download / upload (sinch) on page 8.

An example of the cycle:

1. On Monday night the data is extracted using Vision Scheduled Extract from desktop Vision.
2. On Tuesday morning you run sinch to download data to the PDA.
3. Out on your calls you enter data on the PDA.
4. Later, back at the surgery, put the PDA on its cradle and run the Sinch process to upload the newly entered data from Pocket Vision to desktop Vision - this *removes* the newly entered data from the PDA and places it into your Vision system. At the same time, the data extract created by the Monday run of Vision Scheduled Extract is again downloaded to Pocket Vision.
5. Then run Vision Scheduled Extract to extract the newly entered data into the extract file.
6. Then run sinch to upload the new data on the PDA Then the two systems are similar.



Running the download / upload (sinch)

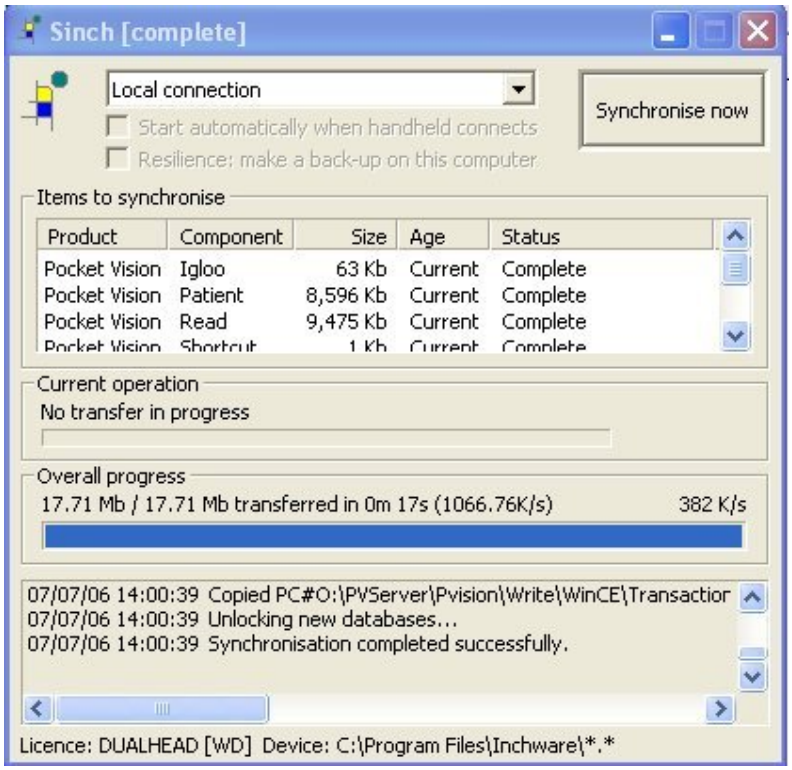
The cradle can be connected to a workstation with a serial cable if NT, but if XP, a USB cable can be used to the workstation. The cradle acts as a charger as well. The PDA sits on the cradle during the download/upload (sinch) process.

Sinch – download and upload of data - The sinch process will run automatically when a PDA is connected but this setting can be changed on the Sinch console. Other Vision users can be on the system during this process.

Microsoft's software that connects the PDA to the PC - ActiveSync - must be installed on the workstation that you are using to synchronise, but the actual synchronisation process is done using the Inchware program Sinch (ie, that writes Vision data to and from the PDA).

1. Put the PDA in its cradle if it has one; otherwise connect directly via a USB cable (serial for NT) and select Start – Programs - Inchware – Sinch. Alternatively, there should be a Sinch icon on the desktop which can be selected.

Note that if you check the option Start automatically when handheld connects, this will automatically sinch when the PDA is put in its cradle, without you having to open Sinch.



Sinch - Ready to sinch - Your screen should say "Sinch - Connected"

2. Connection to a laptop is displayed as above as Local Connection.

3. You may need to wait a few seconds whilst the PDA connects (the message at the bottom of the Sinch window will change from "*Not connected to a handheld*" to " *Connected*" followed by the internal id of the PDA when successful connection has been established.

4. Press the Synchronise now button, unless you have checked the option to synchronise immediately once the PDA is back in its cradle (*Start automatically when handheld connects*). The extracted file is downloaded on to the PDA, and entries on the PDA are uploaded to desktop Vision.

5. The title bar shows the percentage progress of the synchronisation and when finished, shows *Synchronisation complete*, ie the Vision data is transferred to the PDA.

6. You should be logged into Vision, but if not, a Vision login screen is displayed for you to log on.

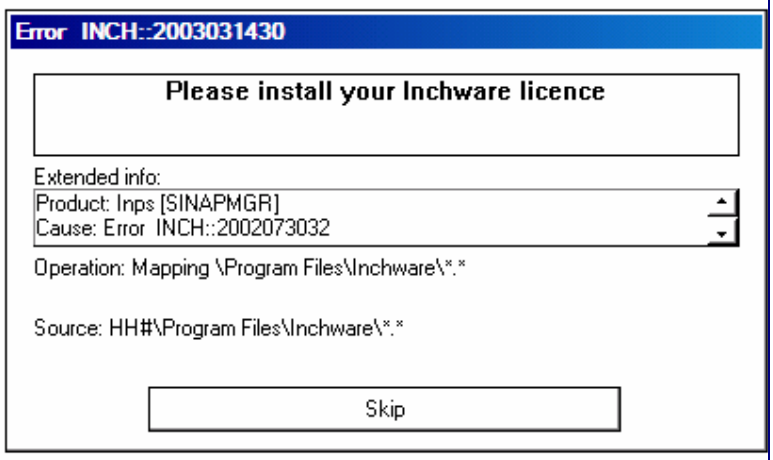
7. Once Vision is running, then the system will stop at any entry that needs extra data, for example:

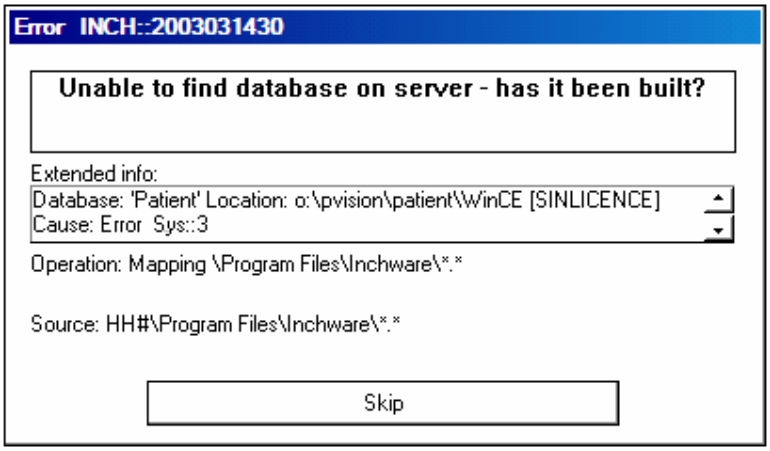
   - Entries, such as Exercise, or Immunisations, that require extra information.
   - Any history entry of a diagnosis which can be included in a disease register, for example, Asthma, will display the prompt *Do you want to include this patient in the [diagnosis, eg asthma] disease register?*
   - Any incorrect therapy entries will be pointed out.

8. Make sure to let the synchronisation process complete successfully - do not interrupt it by removing the PDA from its cradle. During this, the system may ask you for extra information.

Sinch Error Messages

If your synchronisation does not complete successfully, please refer to this section for details of error messages and remedial action:

Error Message	Cause And Cure
	*Please install your Inchware licence* This error occurs when *Sinch* is run before you have run the Pocket Vision License install. The licence needs to be installed and you need to re-run *Sinch*



The patient database is used to tag a licence in order to prevent data from being copied to the device by hand. If the database is unavailable when licensing is taking place, Sinch will issue error 2003020531, *Unable to find database on server - has it been built?*

This error occurs when Sinch is run before Vision Scheduled Extract has completed successfully.

See Vision Scheduled Extract Completion on page 5, ie run VISSCHED to build the database, and then re-run Sinch