



UTS u-TOOLS HHS2S USER MANUAL

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Document: UM of UTS u-TOOLS HHS2S
ver. 1.0.0

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6/26/2010

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Document Change History

Version	Date	Author	Change description	Related sections
1.00	25/06/2010	Z.H.Strazdauskas	Initial version	All



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1. Overview

The UTS u-TOOLS HHS2S – Handheld Scan 2 Show is software designed by UniTraceSoft (class u-TOOLS – Unitracesoft Universal Tools) that consists of two applications: HHS2S handheld application and HHS2SWIZ Desktop application:

HHS2S – allows user to scan product barcode and find all information stored against product with that barcode

HHS2SWIZ – is database maintenance application that allows user to add/update/delete records in the database and then upload it to the handheld via Bluetooth COM port

2. HHS2S – Handheld Scan 2 Show



Figure 1 Intermec CK3 / docking station AD20 / USB Memory Stick

This paragraph describes how to install, license and use HHS2S application.

2.1. HHS2SWIZ INSTALLATION

Step by Step how to setup UNITRACE S2S on Intermec CK3 – WM6:

New Intermec CK-3 devices come with pre-installed operating system (Windows Mobile 6 – WM6) and libraries needed to control Intermec hardware (Scanner drivers etc). After booting it up, it automatically starts ITE application which needs to be disabled (pwd: CR52401), Exit ITE and then under Setting: “INtermec Settings” -> Applications->ITE->NO AutoStart.

Installation:

- Place Intermec device into the docking station (AD20) (Figure 1)
- Plug USB memory stick with software package HHS2S-SETUP.CAB into the cradle

- Setup system Date and Time under Start->Settings (Figure 2)
- Start File Explorer on WM6: Start->File Explorer
- Navigate to HardDisk (represents USB memory stick) (Figure 3)
- Start HHS2S-SETUP.CAB, by tapping on it
- Go through installation process (Figure 4,5,6,7)
- Under Programs find “Scan 2 Show” and start it by tapping on it (Figure 8, 9)
- Go through licensing process (Figure 10)
- Under Settings setup pair with Desktop PC (Bluetooth pairing)
- Configure Outgoing COM Port
- Run HHS2S Wizard on the desktop, configure COM Port settings
- On WM6 in “Scan 2 Show”, select “Data Exchange” and exchange data with desktop
- Ready to use

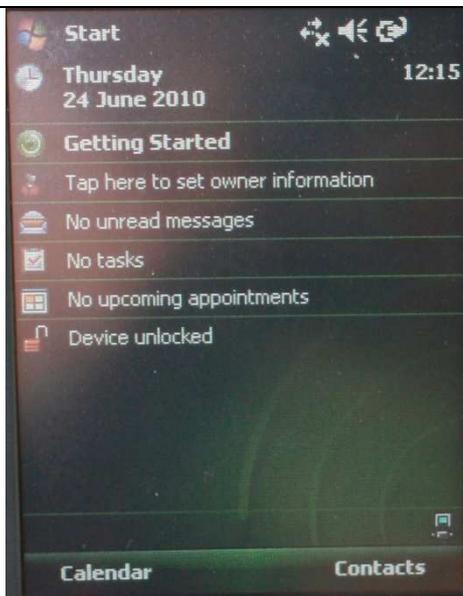


Figure 2 Set device Date and Time

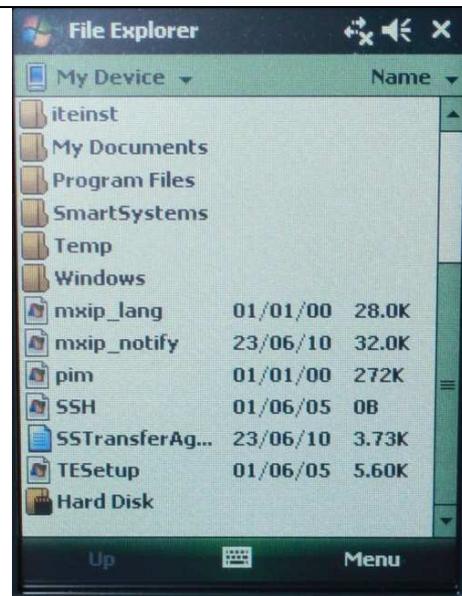


Figure 3 USB memory stick - Hard Disk

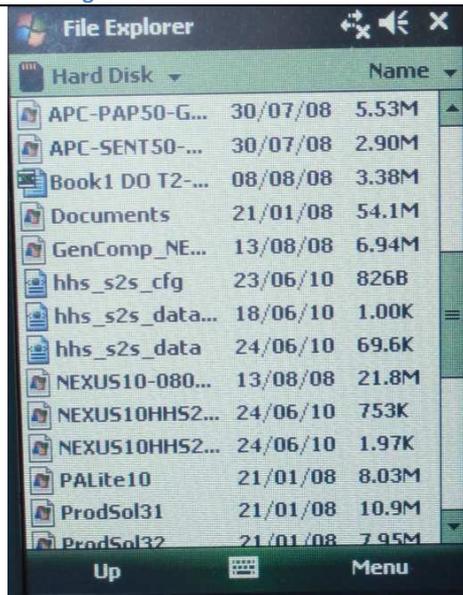


Figure 4 Find HHS2S-SETUP.CAP

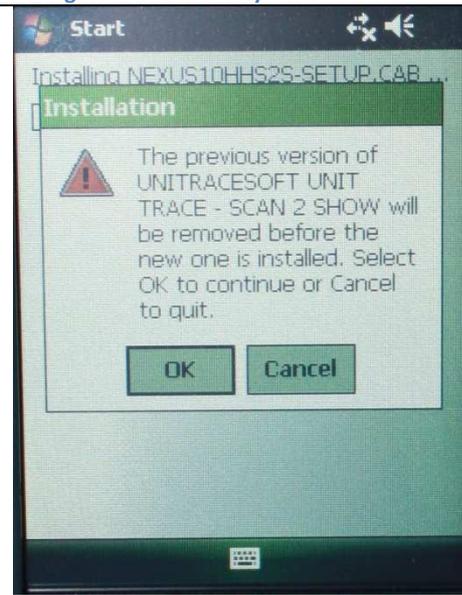


Figure 5 If upgrading it will ask to remove previous version before proceeding

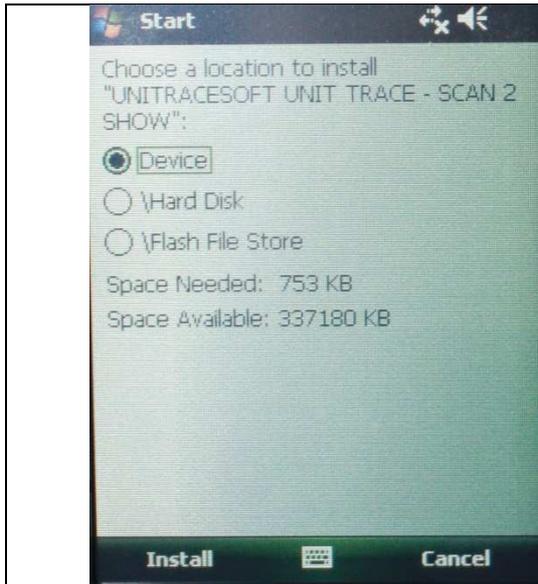


Figure 6 Choose location for software to be installed
[Recommended: Device]

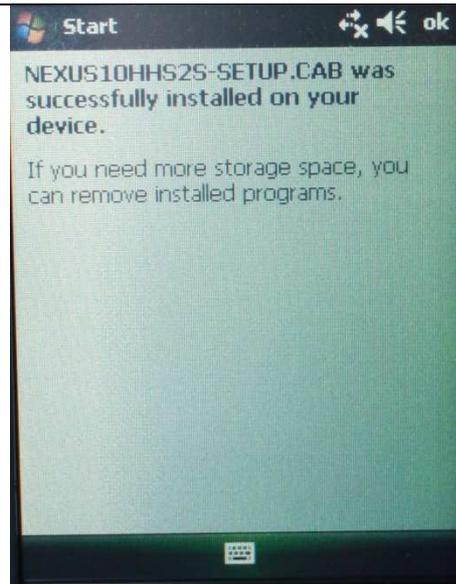


Figure 7 OK - once installed

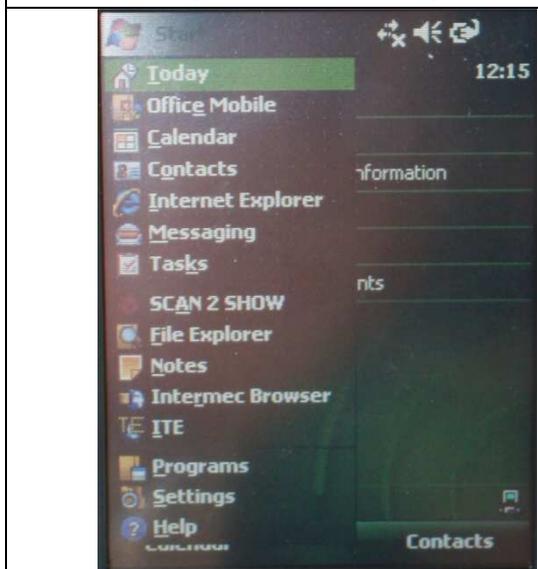


Figure 8 Navigate to Start-Programs and find
UNITRACE\Scan 2 Show to run for the first time

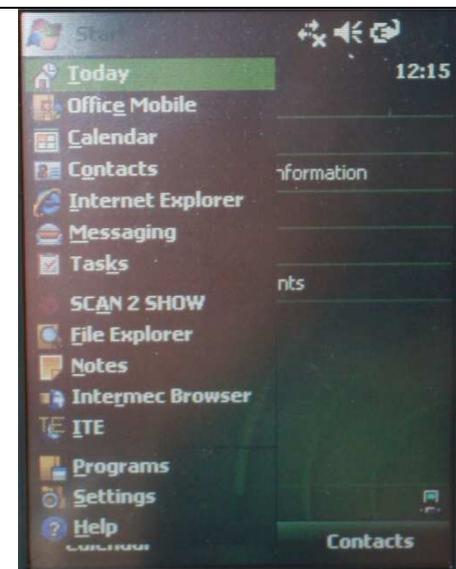


Figure 9 After it has been executed first time, it should
appear in the Start Menu

2.2. LICENSING

Most of the software released by UNITRACESOFT requires license, HHS2S Scan 2 Show is not an exemption.

Serial Number is the code that needs to be sent to licenses@unitracesoft.com with other information: Contact Person Full Name, Email address, Postal Address, Company, Purchase Order Number is applicable and in return if it is valid to your situation you will receive a License Number that will enable HHS2S Scan 2 Show on the device.

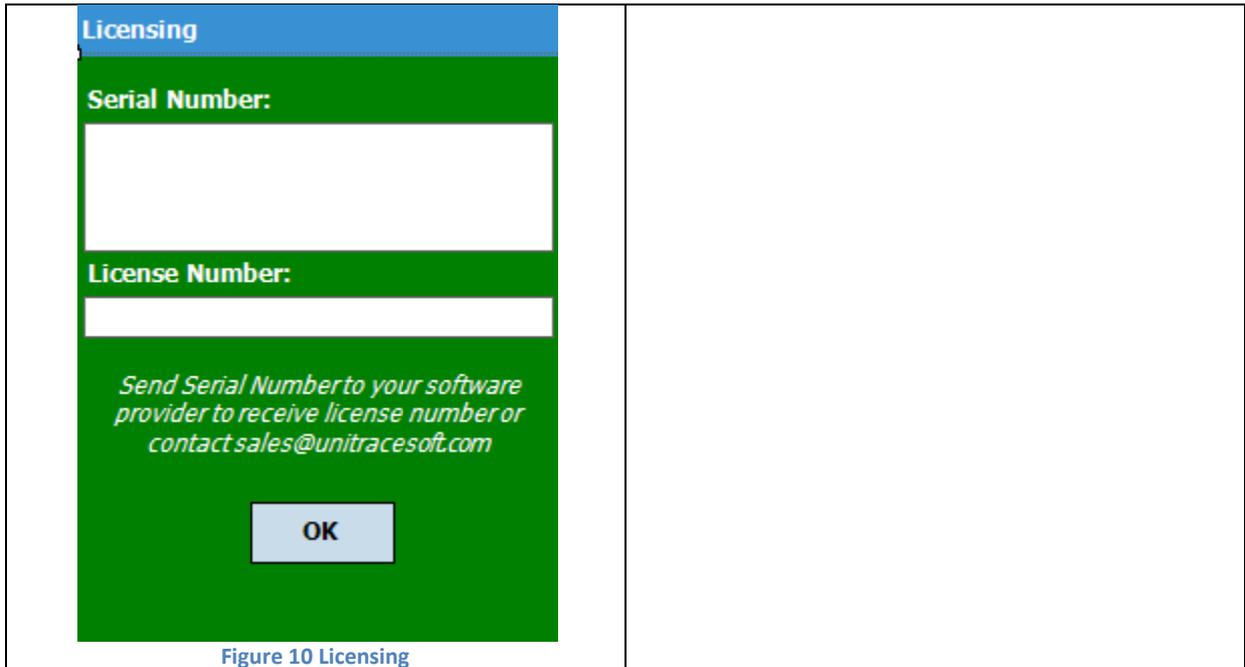


Figure 10 Licensing

2.3. PAIRING UP

In order to be able to exchange between WM6 device and application HHS2SWIZ running on Desktop PC we need to create a link (Serial Port via Bluetooth). Steps 1- 9 in Figures 11 – 19.



Figure 11 Pairing Step 1

Figure 12 Pairing Step 2 - Enable Bluetooth and make it discoverable

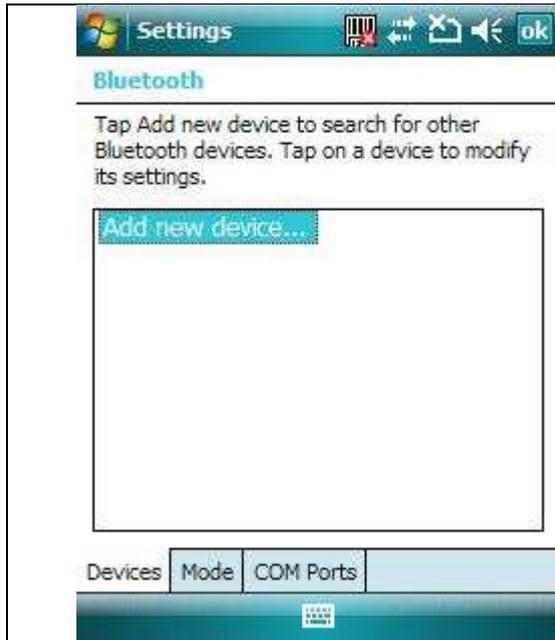


Figure 13 Pairing Step 3 - Search for devices



Figure 14 Select desktop PC



Figure 15 Pairing Step 5



Figure 16 Pairing Step 6 - Choose services



Figure 17 Pairing Step 7 - Create Outgoing Port



Figure 18 Pairing Step 8

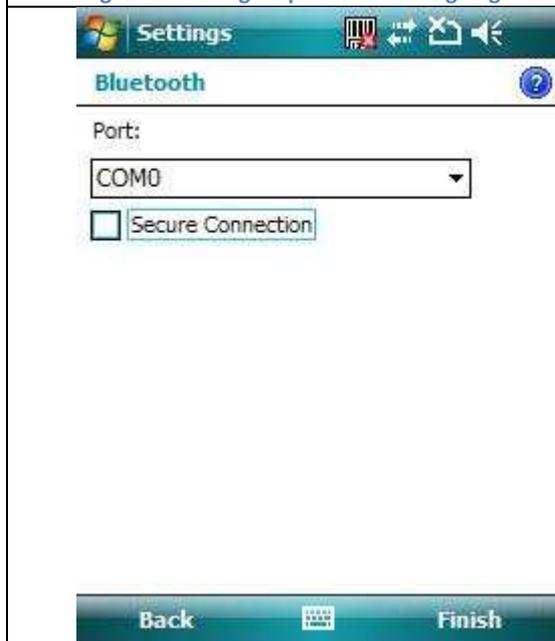


Figure 19 Pairing Step 9 - Choose COM port

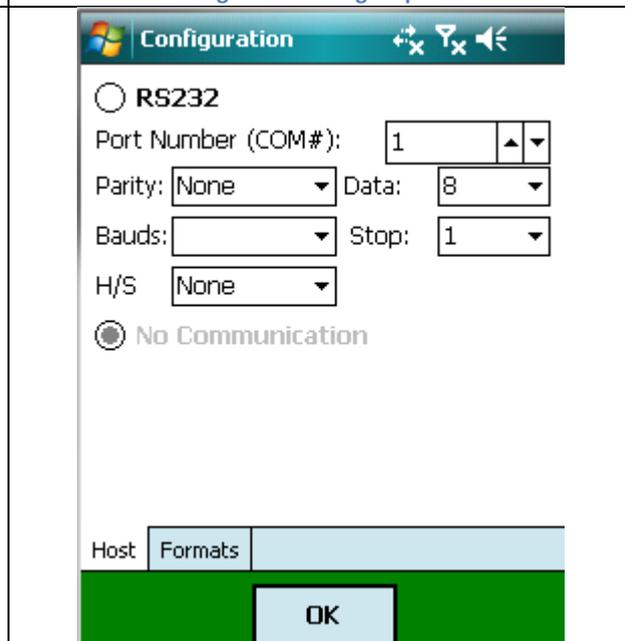


Figure 20 Set the RS232 port that will be used

3. HHS2SWIZ – Wizard

3.1. INSTALLATION

Follow the instructions, default options are recommended.



Figure 21 Installing HHS2SWIZ

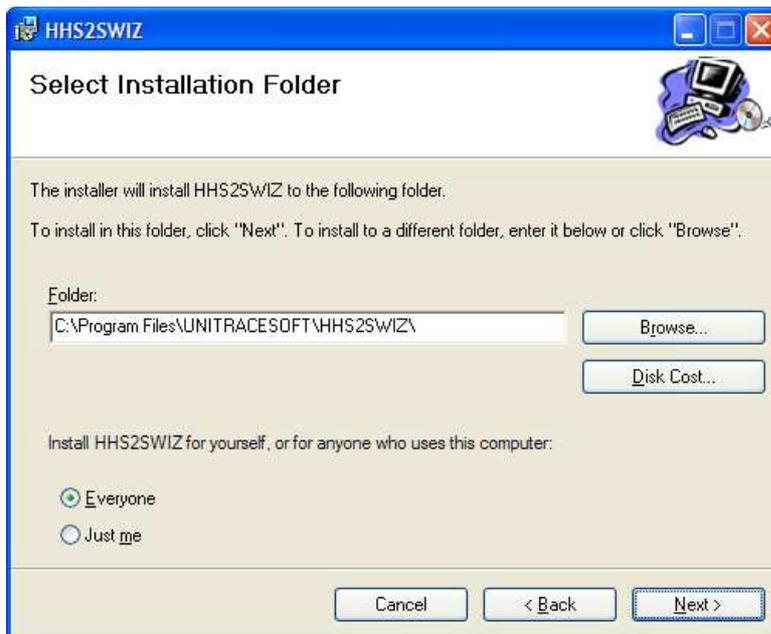


Figure 22 Choose Location

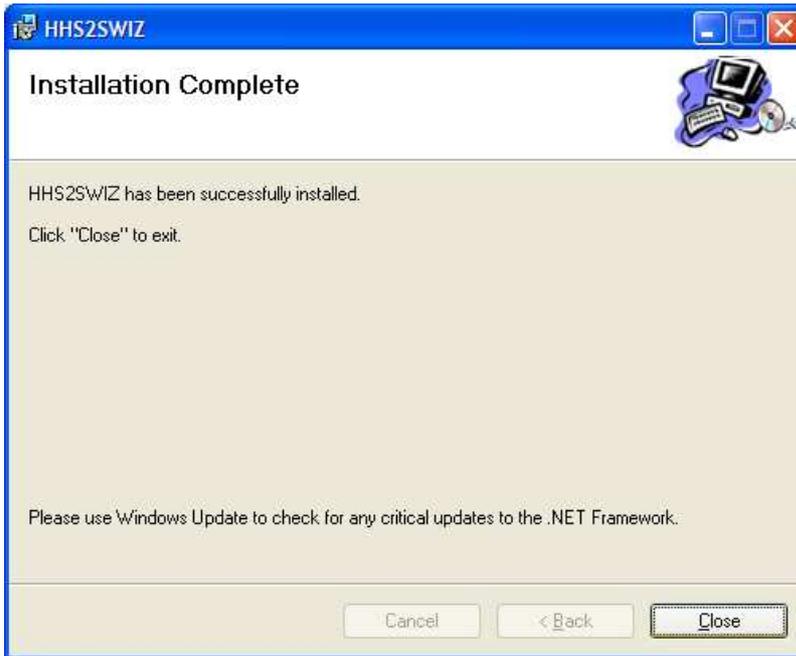
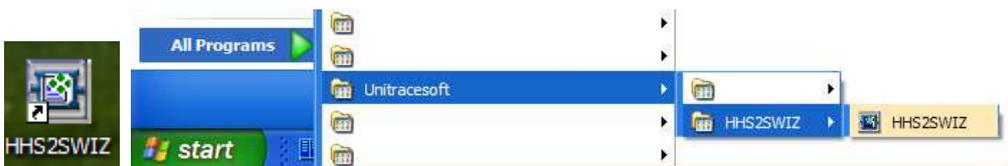


Figure 23 Successful Installation

After installation there should be new icon on the desktop and in Start/Programs menu:



3.2. LICENSING

Similar to HHS2S licensing, HHS2SWIZ also requires a license. Depending on internet availability on the PC there are 2 licensing options: Web or Code Exchange.

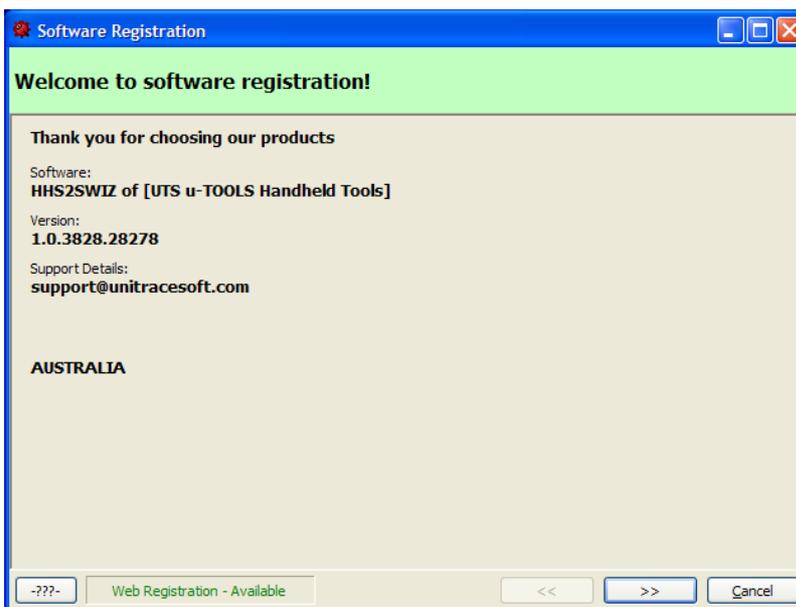


Figure 24 Licensing HHS2SWIZ



Figure 25 License Agreement

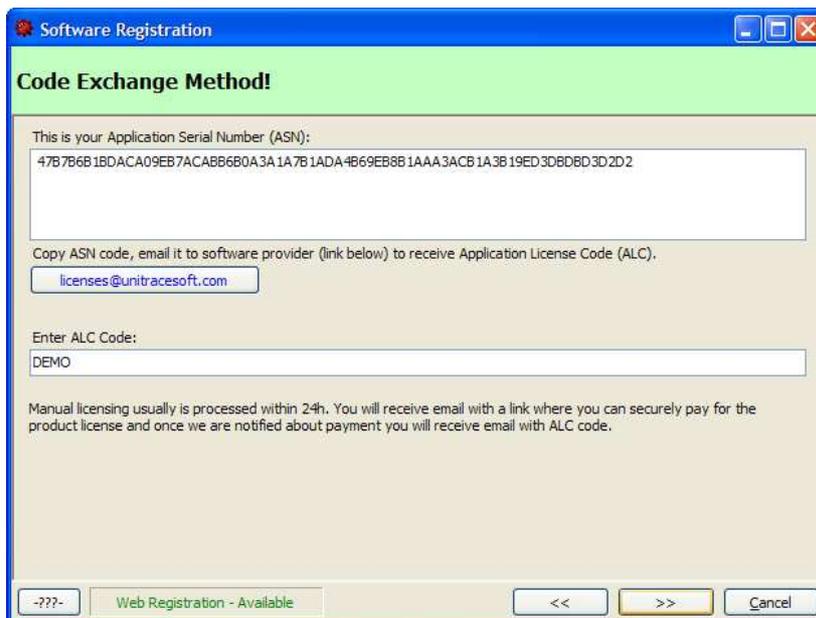


Figure 26 Code Exchange

Read License agreement and if you agree with all conditions in License Agreement, you will need to tick the box in order to proceed (Figure 24). Depending on option chosen in Figure 24 (Web Registration or Code Exchange) you will be taken to Figure 25 or Figure 27. Code exchange is an effective way in case your desktop PC does not have internet connection, but also could be used if you don't want to go through registration / authentication / purchasing processes which is if you chose to take Web Registration path.

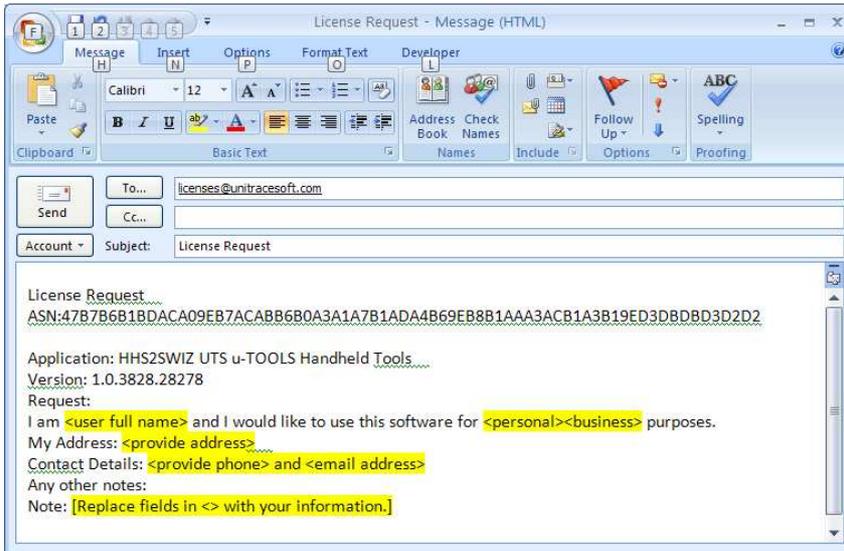


Figure 27 Send email with license code to licenses@unitracesoft.com



Figure 28 Register or Login – Web Registration

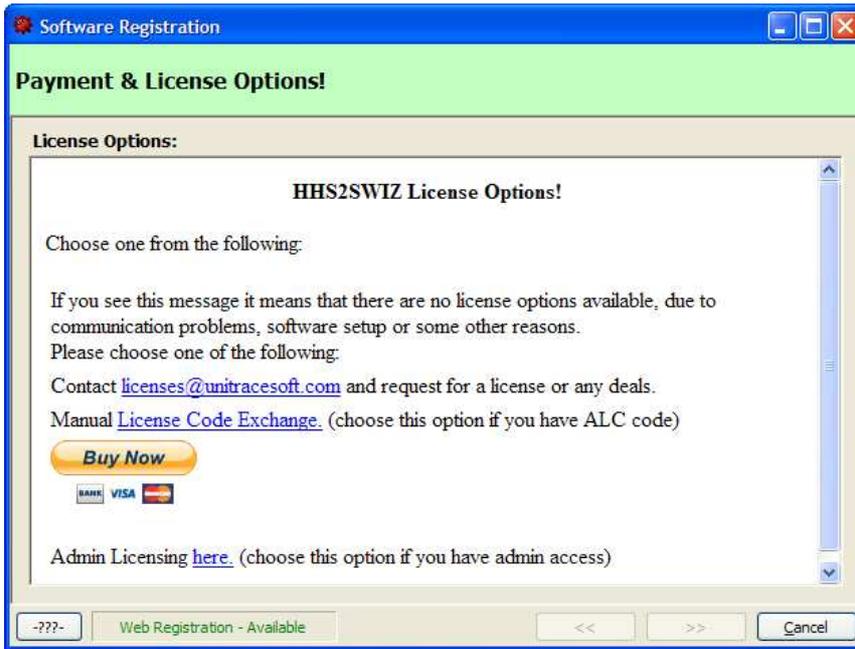


Figure 29 Purchasing

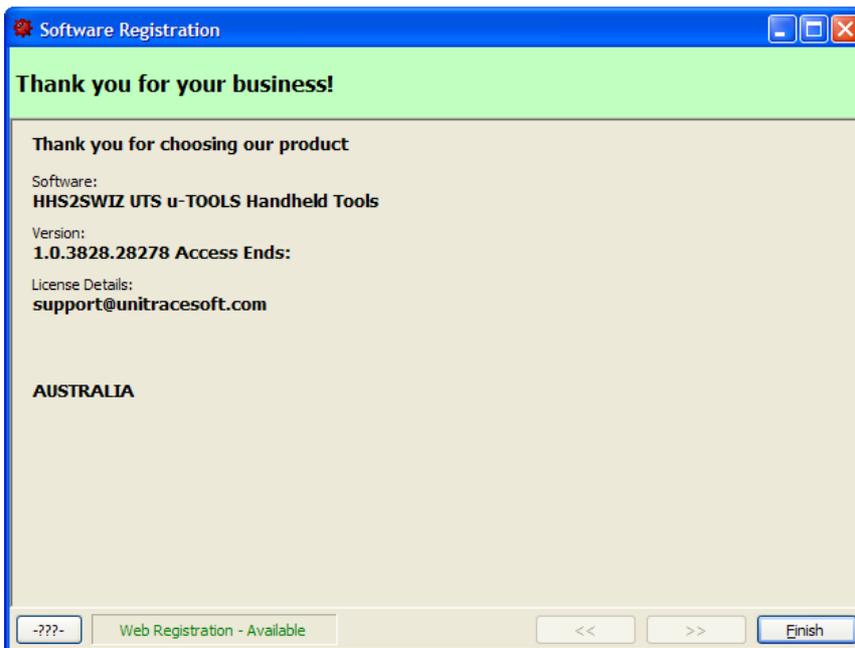


Figure 30 License Confirmation and Thank you for your business

3.3. USING HHS2SWIZ

Once HHS2SWIZ is executed for the first time it will try to open COM port 1 as default port to link to HHS2S on handheld and most likely it will fail with the error in Figure 30.



Figure 31 COM port is not configured properly

Also you will notice that there is no data columns configured yet, so you will need to proceed to Properties, but before that follow the handheld pairing up procedure so you have Outgoing COM port on handheld and linked COM port on the desktop PC.

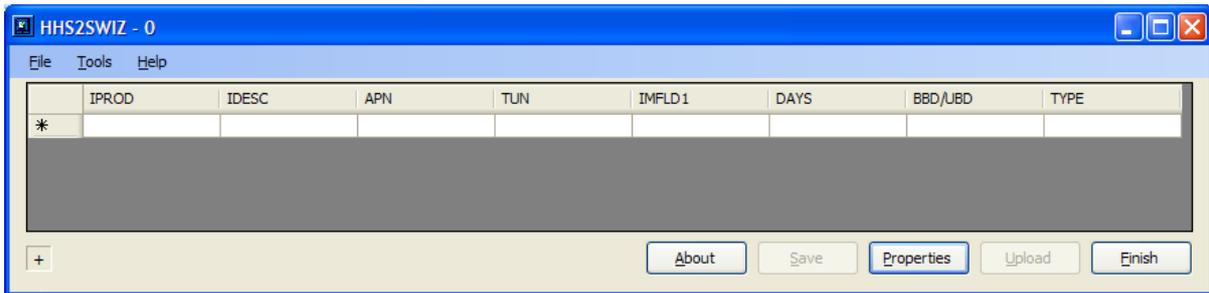


Figure 32 Main Window of HHS2SWIZ

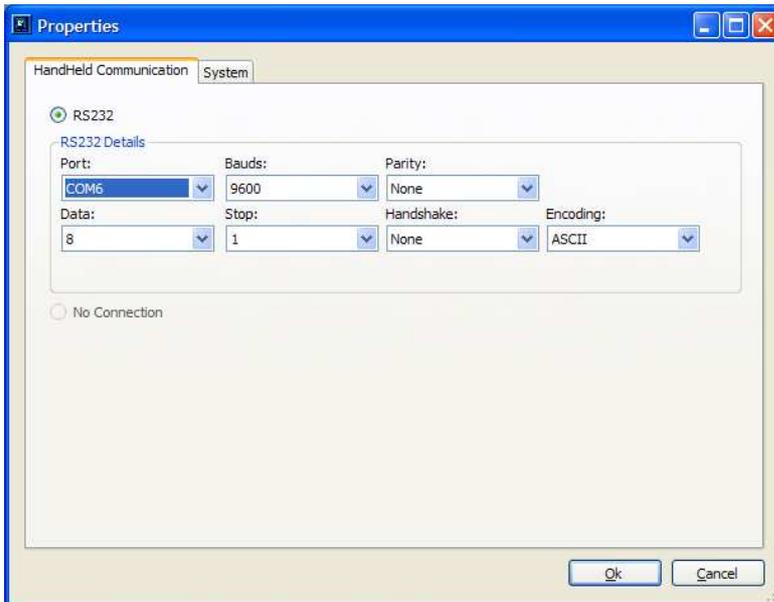


Figure 33 Set the correct COM port settings

Once pairing is finished set the port details in the Properties screen (Figure 32). Also set the column information – database has 10 fields, that column headers can be specified, also you can specify if a particular field will be searched for the barcode scanned by handheld device in HHS2S. In addition to the above database can contain 1 field that represents Days Offset and Use By/Best Before that can be automatically calculated using Days Offset and system clock on handheld device.

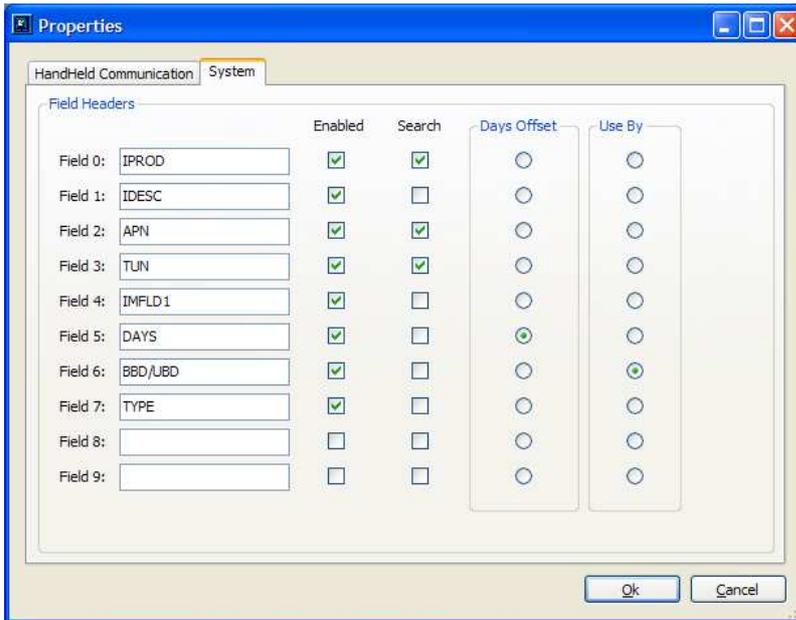


Figure 34 Column setup

3.4. NORMAL OPERATION

The datagrid on the main screen has been designed in such a way, that it accepts copy/paste commands and can accept content from Excel spread sheet (as long as number of columns is adequate).

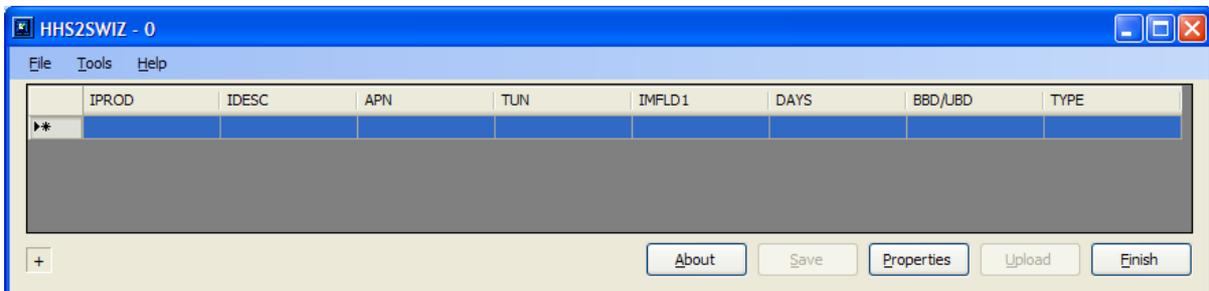


Figure 35 To paste some data select the row with >*

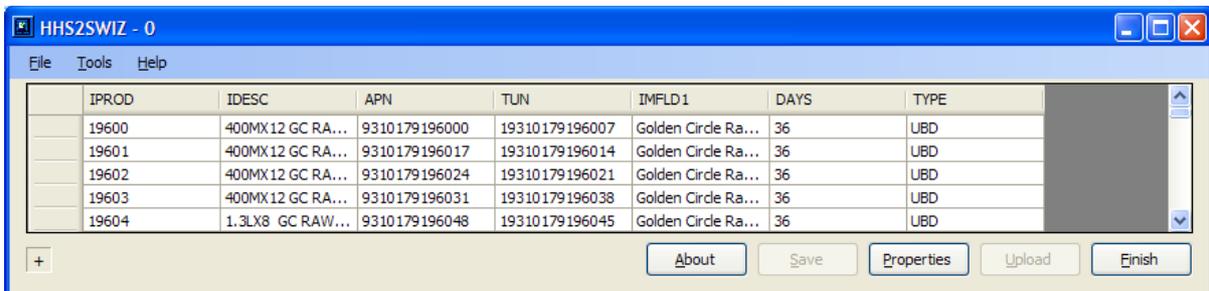


Figure 36 After Paste it automatically is saved to a database file

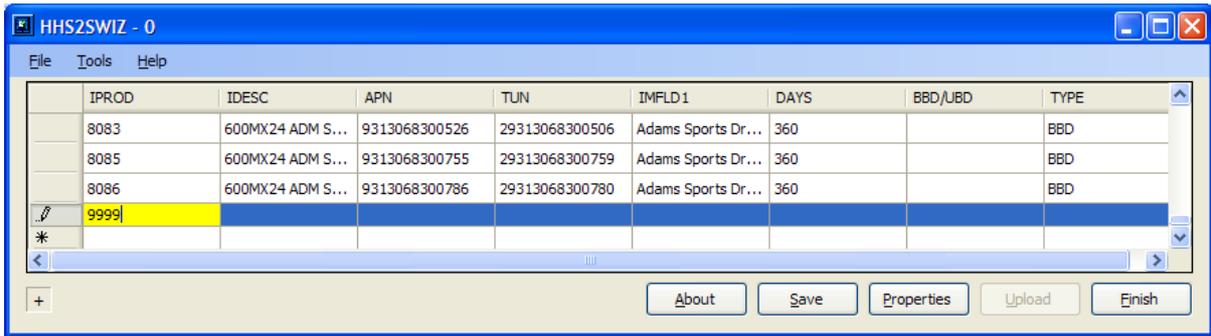


Figure 37 Double click or press F2 on the cell you want to modify

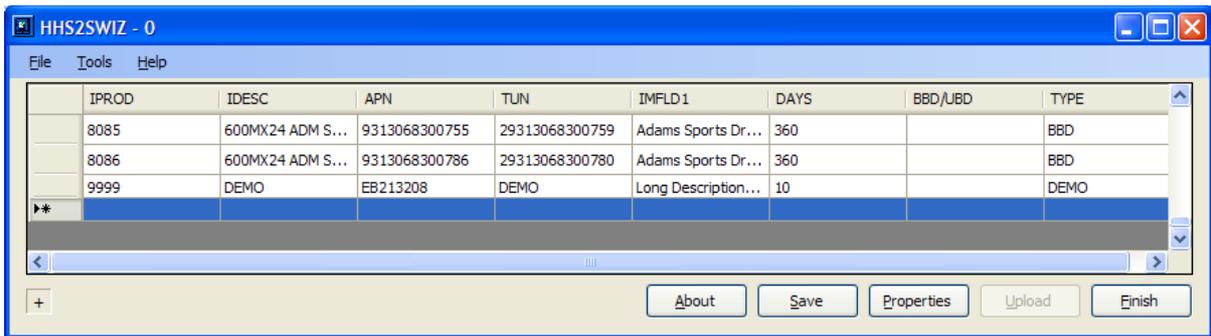


Figure 38 If there is any unsaved data - Save button will be enabled

When data is modified on the desktop it needs to be synchronized with WM6 handheld device, to do so start HHS2S on the handheld and go into Data Exchange

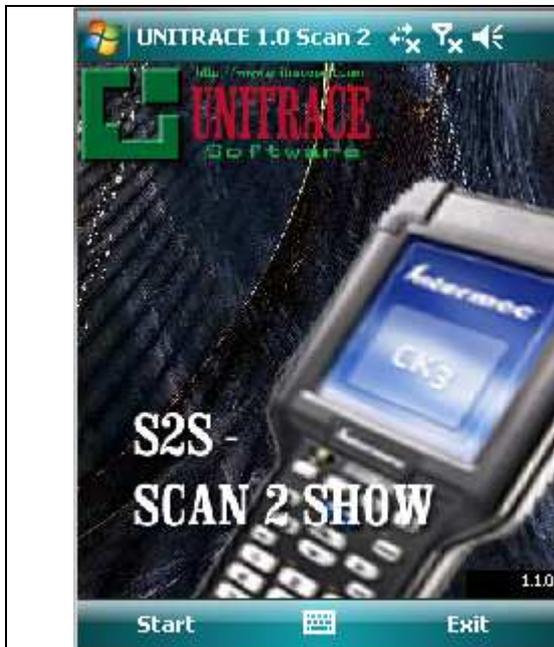


Figure 39 HHS2S start screen

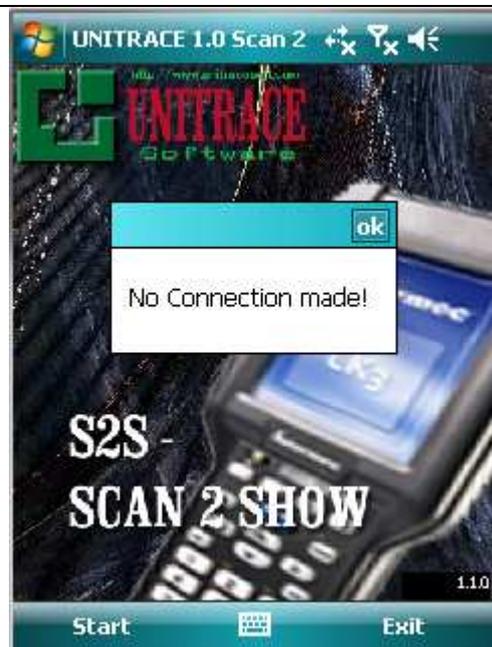


Figure 40 Start->Data Exchange - error possible if connection could not be made

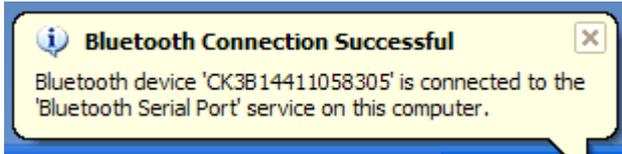


Figure 41 If connection from the handheld is successfully established it will inform your desktop about it

Also HHS2SWIZ will receive command to enable Upload button

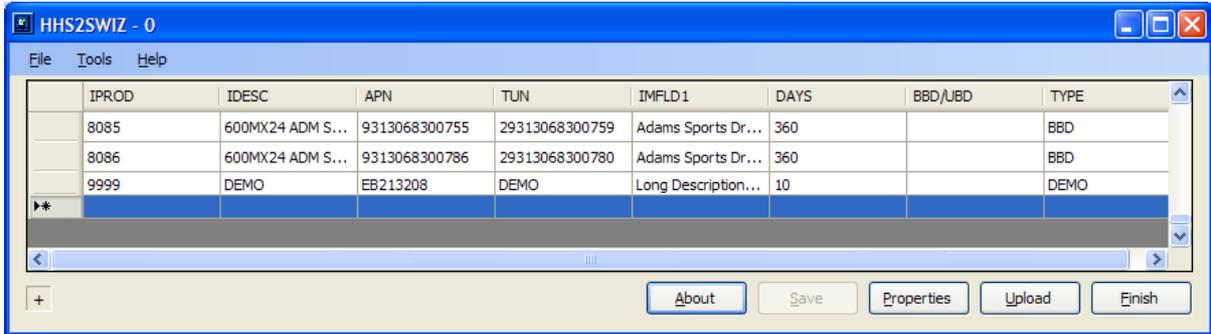


Figure 42 Enabled Upload button

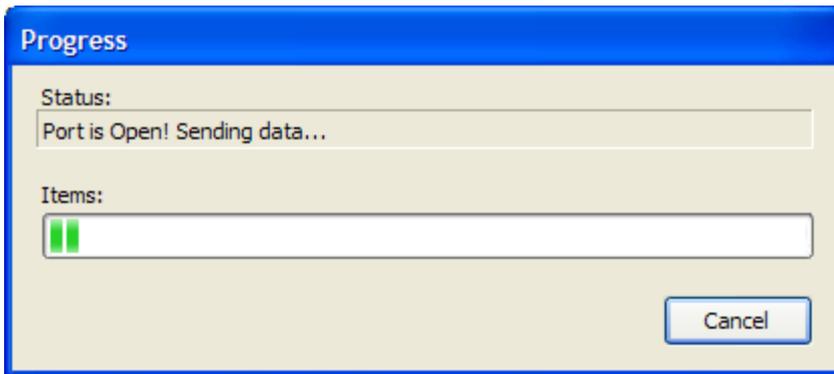


Figure 43 If upload button is pressed it will start sending data to handheld



Figure 44 If handheld device is not ready to accept data or if some error occurred you might receive timeout error (30 seconds)

Once data is uploaded to the handheld device, it is ready to be used to Scan 2 Show data about the barcode scanned. Scan 2 Show – after scan it will search the database for the data and if found Short List will be shown, track bar below allows to navigate through this Short List. Table shows one item at the time (“Data” column is data name, “Value” – data value, by tapping any of those lines it takes you to details screen)

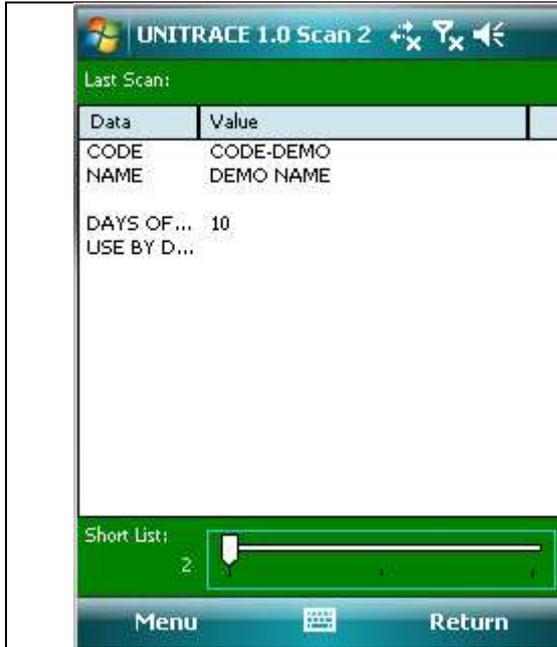


Figure 45 Scan 2 Show Screen

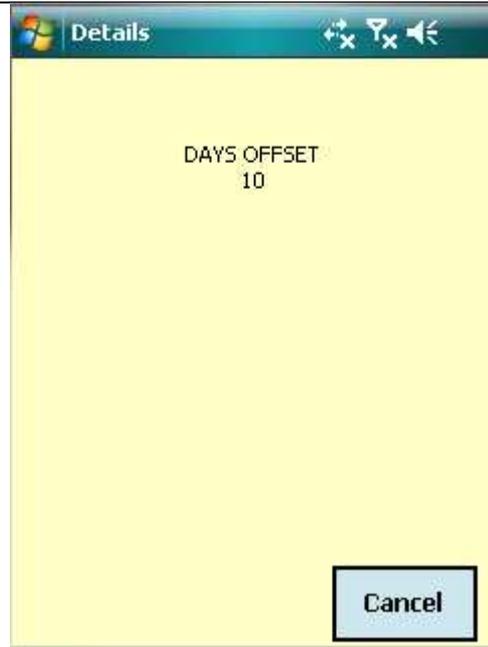


Figure 46 Details Screen

3.5. OTHER OPERATIONS

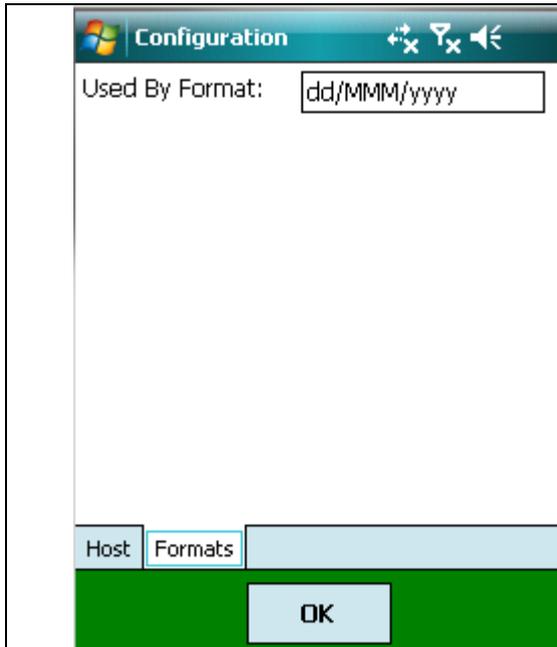


Figure 47 Date format that will be used for Use By / Best Before Date



Figure 48 Reconnect option is available in case of error

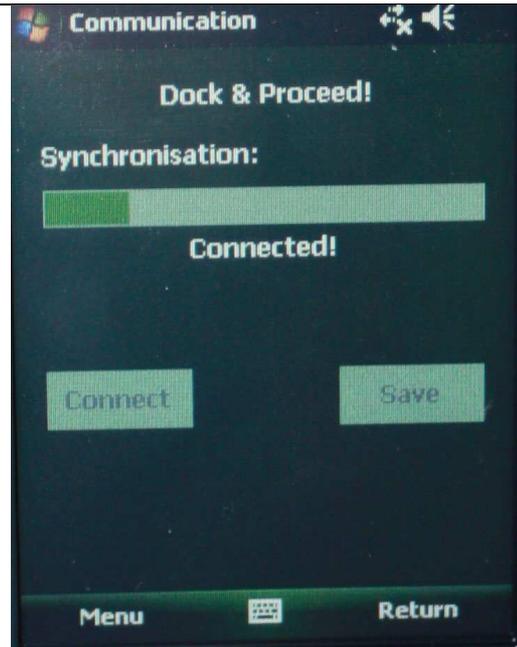


Figure 49 Upload in progress

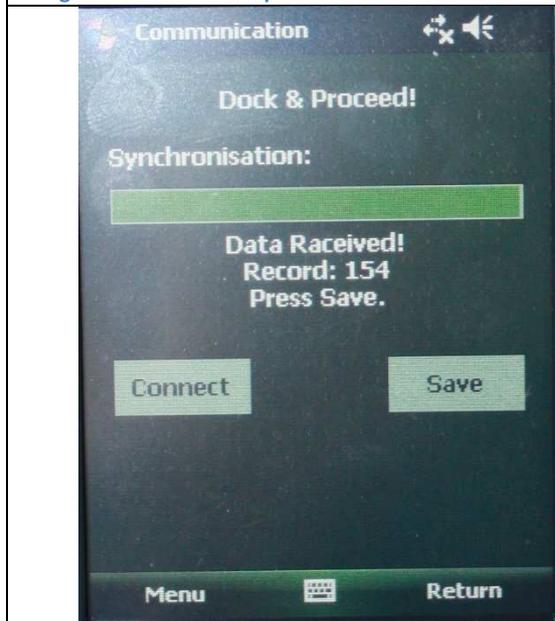


Figure 50 Successful data upload

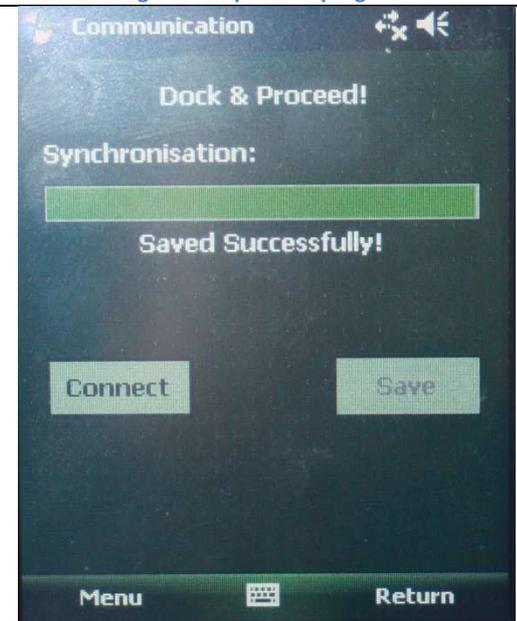


Figure 51 Saved Data



4. Support & Future Expansions

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