

UTS u-TOOLS HHS2S USER MANUAL

Customer: ---, Minak Close Narre Warren South, VIC3805, Australia

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UniTraceSoft Pty Ltd 8 Minak Close, Narre Warren South, VIC3805, AUSTRALIA 6/26/2010 8



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Document Change History

Version	Date	Author	Change description	Related sections
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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







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 <u>licenses@unitracesoft.com</u> 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.



icensing	
Serial Number:	
License Number:	
send Senal Number to your software provider to receive license number or contact sales@unitracesoft.com	
ОК	
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.

Settings	🔣 🗰 🗠 🕂 🔛	🄧 Settings 🛛 🛄 🗱 Žì ┥€ ok
-🔞 🚺		Bluetooth
Beam Blueto	oth Connections	Turn on Bluetooth
	, J	Make this device visible to other devices
Network USB to Cards	PC WAN Conf	tab below.
)	
Wi-Fi Wirele Networ Manag	:ss Jer	
Personal System Con	nections	Devices Mode COM Ports
Figure 11 Pa	iring Step 1	Figure 12 Pairing Step 2 - Enable Bluetooth and make it discoverable



Bluetooth	Select a Bluetooth Device
Tap Add new device to search for other Bluetooth devices. Tap on a device to modify its settings.	Select a device to connect with and tap Next.
Add new device	OPL-2724_A3EC JEROEN_MULLER Bluetooth Modem BELKIN_d4f4d6[192.168.0.42]
Devices Mode COM Ports	Cancel Refresh
Figure 13 Pairing Step 3 - Search for devices	Figure 14 Select desktop PC
🦉 Settings 🛛 🔣 🗮	🌮 Settings 🛛 🔣 🗮 🎦 ┥€
Enter Passcode 🛛 🔞	Partnership Settings
Enter a passcode to establish a secure connection with OPL-2724_A3EC. Passcode: ****	Display Name: OPL-2724_A3EC Select services to use from this device.
	2
	Defeet
	Refresh



Arter pairing with a device, to set up a COM port tap New Outgoing Port. For other options, tap and hold an existing port.	Select the device you want to add
New Outgoing Port	
Devices Mode COM Ports	
	Cancel 🔤 Next
Figure 17 Pairing Step 7 - Create Outgoing Port	Figure 18 Pairing Step 8
🎦 Settings 🛛 🔣 🗮	🀬 Configuration 🥰 🏹 📢
Bluetooth	() RS232
Port:	Port Number (COM#): 1
COM0 -	Parity: None 👻 Data: 8
Secure Connection	Bauds: Stop: 1
	W No communication
	Host Formats

3. HHS2SWIZ – Wizard

3.1. INSTALLATION

Follow the instructions, default options are recommended.



Figure 21 Installing HHS2SWIZ

i de HHS2SWIZ	
Select Installation Folder	
The installer will install HHS2SWIZ to the following folder. To install in this folder, click "Next". To install to a different folder, enter Folder:	it below or click "Browse",
C:\Program Files\UNITRACESOFT\HHS2SWIZ\	Browse
	Disk Cost
Install HHS2SWIZ for yourself, or for anyone who uses this computer	:
⊙ <u>E</u> veryone	
O Just <u>m</u> e	
Cancel < B	ack <u>N</u> ext >

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

Software Registration	\times
Code Exchange Method!	
This is your Application Serial Number (ASN):	
478786818DACA09E87ACA8866B0A3A1A781ADA4869E8881AAA3AC81A3819ED3D8D8D3D2D2	
Copy ASN code, email it to software provider (link below) to receive Application License Code (ALC).	
Enter ALC Code:	
DEMO	
Manual licensing usually is processed within 24h. You will receive email with a link where you can securely pay for the product license and once we are notified about payment you will receive email with ALC code.	
-???- Web Registration - Available << >> Cancel	



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 a 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.



n di	License Request - Message (HTML)	= x
Mes	age Insert Options Format Text Developer	0
Paste	Calibri 12 • ▲ ▲ ▲ ■ ■ ■ ■ ■ ■ ■ ■ ■ ■ ■ ■ ■ ■ ■ ■	
Clipboard 🕞	Basic Text 🕫 Names Include 🖗 Options 🖗 Proofing	
	To licenses@unitracesoft.com	1
Send		=
Account a	Subject Lizenze Beguert	
Account	Subject. Interise request	-
License Re ASN:47B7	iguest 36B1BDACA09EB7ACABB6B0A3A1A7B1ADA4B69EB8B1AAA3ACB1A3B19ED3DBDBD3D2D2 n: HHS2SWI7 UTS u-TOOLS Handheld Tools	
Version: 1	0.3828.28278	
Request:		-
l am <mark><use< mark="">i</use<></mark>	full name> and I would like to use this software for <personal><business> purposes.</business></personal>	
My Addre	ss: <pre>stalla address></pre>	
Any other	notes:	
Note: [Reg	lace fields in <> with your information.]	
COMPANIE		-
L		

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

New User 💿 Existing User		
ogin details	Contact Details	
Company Name:	Full Name:	
unitracesoft	Z.H.STRAZDAUSKAS	
Email Address:	Address Line 1:	
zshansas@unitracesoft.com	8 MINAK CLOSE	
Password:	Address Line 2:	
********	NARRE WARREN SOLITH, VIC3805	
	Country:	
	AUSTRALIA	
Eorgot Password	Phone:	
	+61 3 8790 2308	
assword (6 to 16 alphanumeric characters).	Email Address:	
	ZSHANSAS@UNITRACESOFT.COM	

Figure 28 Register or Login – Web Registration



Software Registration		
Payment & License Options!		
License Options:		
HHS2SWIZ License Options!	^	
Choose one from the following:		
If you see this message it means that there are no license options available, due to communication problems, software setup or some other reasons. Please choose one of the following:		
Contact licenses@unitracesoft.com and request for a license or any deals.	-	
Manual <u>License Code Exchange.</u> (choose this option if you have ALC code) Buy Now with the second se		
Admin Licensing <u>here.</u> (choose this option if you have admin access)	 >	
-???-) Web Registration - Available << >>>	Cancel	

Figure 29 Purchasing

Software Registration	
Thank you for your business!	
Thank you for choosing our product	
Software: HHS2SWIZ UTS u-TOOLS Handheld Tools	
Version: 1.0.3828.28278 Access Ends:	
License Details: support@unitracesoft.com	
AUSTRALIA	
-???- Web Registration - Available	<< >> <u>F</u> inish

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.



Error	
8	Error: Serial Port failed to open:System.IO.IOException: The port 'COM1' does not exist. at System.IO.Ports.InternalResources.WinIOError(Int32 errorCode, String str) at System.IO.Ports.SerialStreamctor(String portName, Int32 baudRate, Parity parity, Int32 dataBits, StopBits stopBits, Int32 readTimeout, Int32 writeTimeout, Handshake handshake, Boolean dtrEnable, Boolean rtsEnable, Boolean discardNull, Byte parityReplace) at System.IO.Ports.SerialPort.Open() at HIS2SWIZ.FormMain.OpenMyPort()!
	OK

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.

HHS	2SWIZ - 0							
Eile	<u>T</u> ools <u>H</u> elp							
	IPROD	IDESC	APN	TUN	IMFLD1	DAYS	BBD/UBD	TYPE
*								
+					About	Save Pro	perties Uploa	d <u>F</u> inish

Figure 32 Main Window of HHS2SWIZ

The second se					
HandHeld Communica	ation System				
RS232					
Port:	Bauds:		Parity:		
COM6	9600	*	None	~	
Data:	Stop:		Handshake:	Encoding:	
8	✓ 1	*	None	ASCII	*

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.



ielu neac		Enabled	Search	Days Offset	Use By
Field 0:	IPROD			0	0
Field 1:	IDESC			0	0
Field 2:	APN		V	0	0
Field 3:	TUN			0	0
Field 4:	IMFLD1			0	0
Field 5:	DAYS			۲	0
Field 6:	BBD/UBD			0	۲
Field 7:	TYPE			0	0
Field 8:				0	0
Field 9:				0	0
Field 9:				0	

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).

HHS	2SWIZ - 0							
<u>F</u> ile	<u>T</u> ools <u>H</u> elp							
	IPROD	IDESC	APN	TUN	IMFLD1	DAYS	BBD/UBD	TYPE
▶*								
+					About	Save Pro	perties Uploa	d <u>Einish</u>

	HHS	52SWIZ - 0							
Γ	Eile	<u>T</u> ools <u>H</u> elp							
		IPROD	IDESC	APN	TUN	IMFLD1	DAYS	TYPE	
		19600	400MX12 GC RA	9310179196000	19310179196007	Golden Circle Ra	36	UBD	
		19601	400MX12 GC RA	9310179196017	19310179196014	Golden Circle Ra	36	UBD	
		19602	400MX12 GC RA	9310179196024	19310179196021	Golden Circle Ra	36	UBD	
		19603	400MX12 GC RA	9310179196031	19310179196038	Golden Circle Ra	36	UBD	
		19604	1.3LX8 GC RAW	9310179196048	19310179196045	Golden Circle Ra	36	UBD	
	+					About	<u>S</u> ave Pro	perties Uploa	d <u>F</u> inish

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

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



ВН	HS2SWIZ	- 0							
Eile	<u>T</u> ools	Help							
	IPROD	IDESC	APN	TUN	IMFLD1	DAYS	BBD/UBD	TYPE	^
	8083	600MX24 AI	DM S 931306830052	6 29313068300506	Adams Sports Dr	360		BBD	
	8085	600MX24 AI	DM S 931306830075	5 29313068300759	Adams Sports Dr	360		BBD	
	8086	600MX24 AI	DM S 931306830078	6 29313068300780	Adams Sports Dr	360		BBD	
I	9999								
*									×
<				Ш					>
+					About	Save Pro	perties Uploa	d Ein	iish

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

	HHS	2SWIZ - 0								
E	ile	<u>T</u> ools <u>H</u> elp								
Γ		IPROD	IDESC	APN	TUN	IMFLD1	DAYS	BBD/UBD	TYPE	^
		8085	600MX24 ADM S	9313068300755	29313068300759	Adams Sports Dr	360		BBD	
		8086	600MX24 ADM S	9313068300786	29313068300780	Adams Sports Dr	360		BBD	
		9999	DEMO	EB213208	DEMO	Long Description	10		DEMO	
	•* (ш					>
Ŀ	+					About	Save Pro	perties Uploa	id <u>Fi</u> r	ish

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





Bluetooth Connection Successful
 Bluetooth device 'CK3B 14411058305' is connected to the
 'Bluetooth Serial Port' service on this computer.

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

🗉 нн	S2SWIZ - O								
Eile	<u>T</u> ools <u>H</u> elp								
	IPROD	IDESC	APN	TUN	IMFLD1	DAYS	BBD/UBD	TYPE	^
	8085	600MX24 ADM S	9313068300755	29313068300759	Adams Sports Dr	360		BBD	
	8086	600MX24 ADM S	9313068300786	29313068300780	Adams Sports Dr	360		BBD	
	9999	DEMO	EB213208	DEMO	Long Description	10		DEMO	
▶*									~
<				IIII					>
+					About	Save Pro	perties Uploa	ad <u>E</u> inis	h

Figure 42 Enabled Upload button

Progress	
Status: Port is Open! Sending data	
Items:	
	Cancel

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

Error	
8	Error: Error occured while sending data to handheld device! The write timed out.!

Figure 44 If handheld device is not ready to accept data or if some error occured 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)



Last Scan:			
Data	Value		
CODE NAME	CODE-DEMO DEMO NAME	DAYS	OFFSET 10
DAYS OF USE BY D	10		
Short List:			
Z			Cancel
Menu	Return Return		10000000000000000000000000000000000000

3.5. OTHER OPERATIONS

🎥 Configuration 🛛 🤹 🏹 🗲	
Used By Format: dd/MMM/yyyy]
	_
Host Formats	
ОК	
gure 47 Date format that will be used for Use By	/ Best







4. Support & Future Expansions

Contact Details:

A: 8 Minak Close, Narre Warren South, VIC 3805, AUSTRALIA

T: +61 3 8790 2308 F: +61 3 8790 2308

E: <u>support@unitracesoft.com</u> for support and <u>sales@unitracesoft.com</u> for sales

W: www.unitracesoft.com