



# T-75 865-868 MHz RFID Handheld Software Operation Manual

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## **1** Software Operation

#### 1.1 Set Up Test System

Connecting the equipment as illustrated below, structure a simple T-75 reader testing system in the studio:



Connect the Handheld to PC through the USB.

Run the demo software of the reader on your PC, setting reader index and operate reader as below.

#### 1.2 Run the test software

The Windows version of the demo software needs to be run on Microsoft Windows XP or higher.

ConnectReader ReaderParam BlueTooth Data EPCCI	32 Test
Connect Hole	
Connect mode	
C USB	ConnectReader DisconnectReader
	]
Serial Port: COM1	
Language	1
English C Chinese	

#### 1.3 Serial port connection

PC and T-75 communicate by serial port RS232. User need to do initialized settings through a serial port on first operation. Select the output port, see below:

ConnectReader	ReaderParam	BlueTooth	Data	EPCC1G2	Test
-Connect Mo	ode				
• RS232	0	USB			
-RS232 Serial Por	t: COM1	•			

T-75

Select the port for connection between T-75 and PC.

ConnectReader Re	aderParam   BlueTooth   Dat	a   EPCC1G2 Te
-Connect Mode		
• RS232	C USB	
-KS232	2000	
berrar rort.	COM1	
Language	COM7 COM8	

Click [Connect Reader] button to establish the connection.

ConnectReader ReaderParam BlueTooth Data EPCC1G2	Test
Connect Mode © RS232 © USB	ConnectReader DisconnectReader
RS232 Serial Port: COM1	
Language © English C Chinese	



In case the operation was successful, this dialog appears.



If the T-75 can't connect to PC through the USB, or the selected serial port is wrong, the connection will fail.

#### 1.4 Get time from handheld

Click [Get Time] to get the current time from the handheld. The date and time is shown in the text box below [SetTime]:



#### 1.5 Set time

Type in the desired date and time. Click [Set Time] to program it into the handheld.

Time setting success!	GetTime
	SetTime

## 1.6 Download/Erase Data From the Handheld

#### Step 1

Type in [Start Time] and [End Time] in the input boxes.

ConnectR	eader   ReaderPar ad	ram BlueTooth Data EF	PCC1G2 Test		
Start	Start Time 2014-09-01 00:00:00 🛟 End Time 2014-09-24 23:59:59 🛟 [DownLoad] Delete				
🔲 Whe	ther to read all	the records			
NO.	Date	EPC	TID	USER	
				<b>&gt;</b>	

#### Step 2

Start with [Download]. Wait for the data transfer to finish. Click [Delete] to erase the data.

unecti JownL	Keader   Keaderfaram   Blu oad	eTooth Data   EPCC1G2 Tes	t		
Start	Time 2014-09-01 00:0	0:00 🛨 End Time 2014-0	9-24 23:59:59 🚔	DownLoad Del	Lete
Whether to read all the records					
NO.	Date	EPC	TID	USER	
1	2013-08-24 17:57:30	3005FB63AC1F3681FC880468			
2	2013-08-24 17:57:30	3005FB63AC1F3681EC880468			
3	2013-08-24 17:57:30	3005FB63AC1F3681EC880468			
4	2013-08-24 17:57:30	3005FB63AC1F3681EC880468			
5	2013-08-24 17:57:31	3005FB63AC1F3681EC880468			
6	2013-08-24 17:57:31	3005FB63AC1F3681EC880468			
7	2013-08-24 17:57:31	3005FB63AC1F3681EC880468			
8	2013-08-24 17:57:31	3005FB63AC1F3681EC880468			
9	2013-08-24 17:57:31	3005FB63AC1F3681EC880468			
10	2013-08-24 17:57:31	3005FB63AC1F3681EC880468			
11	2013-08-24 17:57:31	3005FB63AC1F3681EC880468			
12	2013-08-24 17:57:32	3005FB63AC1F3681EC880468			
13	2013-08-24 17:57:32	3005FB63AC1F3681EC880468			
14	2013-08-24 17:57:32	3005FB63AC1F3681EC880468			
15	2013-08-24 17:57:32	3005FB63AC1F3681EC880468			
16	2013-08-24 17:57:32	3005FB63AC1F3681EC880468			
17	2013-08-24 17:57:32	3005FB63AC1F3681EC880468			
<		111			>

## 1.7 List handheld operation

There are four list of handheld on storage operation: [GetName], [Delete Name], [Add Name], [Save Name] and [Delete Single Name]

-List of Na	ame		
11111111		A	ld Del
·			
No	LableID		
1	11111111		GetName
			DelName
			1.1.W
			Addivative
			SaveName
			Del Single Name

## Add Name

As below box, Fill the EPC you want (EPC hexadecimal digits need to be multiple of 4) in the input field below [List of Name] list , click [add].

List of Name			
11111111			Add Del
No	LableID		
1	11111111		GetName
			DelName
			AddName
			SaveName
			Del Single Name
1			

## Delete Name

Click on the list you want to delete, the list will turn blue, Press the top right of the "delete" button will remove the selected list

.1st of .1111111	Name 1	A	.dd Del
No	LableID		
			GetName
			DelName
			AddName
			SaveName
			Del Single Na

## Add Name which stored in the handheld.

Click on the [Add Name] button ,will add list to handheld list. If success, popup the below clew box.



## Get Name stored in the handheld

Press Get Name button, will read the list stored in the handheld, If success, prompted to download successfully ,and a list will be displayed in the list .

List of Name		Add Del
No         LableID           1         11111111           .         .           .         .           .         .           .         .           .         .           .         .           .         .           .         .           .         .           .         .           .         .           .         .           .         .           .         .	Notice	GetName DelName AddName SaveName Del Single Name

## Delete the list stored in the handheld.

Click on the [Delete List ] button, remove all data of list. If delete success, popup the following clew box.

Notice	×
<b>i</b>	Erase successfully!
備定	

## Notes

- Delete, save operation is only effective for the data in the list, will not delete the handheld data.
- Press keyboard [Ctrl] + mouse to select multiple list records; Press keyboard [Shift] + list of start and termination of the list of records can be continuously select multiple sequence records. Disconnect the data transmission before exit program
- Save data format is a comma separators of TXT format and CSV format.

## 1.8 Exit Program

## Step 1

Click [Disconnect] button to disconnect the connection with the T-75:

ConnectReader ReaderParam BlueTooth Data EPCCIO	32 Test
Connect Mode C RS232 © USB	ConnectReader DisconnectReader
RS232 Serial Port: COM1	
Language English C Chinese	

## Step 2

Click [Exit] to exit the demo software.

# 2 USB connection

This section describes how T-75 connect PC via USB.

Before connect the handheld and PC, the first installation CD-ROM driver software, including: "BasicUSB\_6124.exe" and " NET Framework 3.5".

Software should be installed in support Microsoft Windows XP or more than

The handheld must be charged more than two hours in first using, Pls make sure the battery is with fully charged.

## 2.1 Install the USB driver

First connect: T-75 connect PC by use USB line

Press the handheld "ON/OFF" button, boot the handheld.

found new hardware---choose [No.not this time], and click [Next]button, see below:

硬件向导	
	欢迎使用找到新硬件向导
	这个向导帮助您安装软件:
	USB 人体学输入设备
	····································
	您期望向导做什么?
	◎ 自动安装软件(推荐)(I)
	🔘 从列表或指定位置安装 (高级) (S)
	要继续,请单击"下一步"。
	< 上一步 (B) 下一步 (N) > 取消

Choose " auto install application" and click on the "Next" button to enter Next step, see below:

更件向导	
	完成找到新硬件向导
	该向导已经完成了下列设备的软件安装:
	USB 人体学输入设备
	要关闭向导,请单击"完成"。
	< 上一步 (B) 完成 取消



## 2.2 USB Drive checkup

To Check the USB driver if install to PC successful,

Click "My computer"- "Properties" – "Device Manager" – "human input device", there should be a particular USB serial interface to the success of the installation that connect, see below:



## 2.3 Test

Open "User software", double click and run"VH75 Download.exe" file.

#### 2.4 USB connection

PC transfer data via USB to the T-75.

## Step 1

Select USB connection:

onnectReader	ReaderParam   BlueTooth   Data	EPCC1G2 Test	
Connect M	ode © VSB	ConnectReader	onnectReader
-RS232 Serial Po	t: COM1		
Language -	ich C Chiarra		

# Step 2

Click on [connect reader].



In case the operation was successful, this dialog appears.

warning If t the Connect Reader Fail! 通定

If the T-75 can't connect to PC through the USB, or the selected serial port is wrong, the connection will fail.

## 3 Bluetooth connection

This section shows how T-75 connect PC by Bluetooth.

The handheld must be charged more than two hours in first using, Pls make sure the battery is with fully charged. Note:

There are a variety of Bluetooth adapters in market, different Bluetooth adapter with Bluetooth device matching process is not the same. We took an example base on widely used Bluetooth adapter.

## 3.1 Bluetooth search

Press "ON/OFF" button on handheld, boot the handheld (without USB line)

Open Bluetooth management tools in PC; choose the "Bluetooth Device Discovery" from the menu.

Bluetooth adapter must be able to find the external Bluetooth devices, here called "BT014 (the name of the factory set)", as below:



蓝牙图例 2.0

#### 3.2 Bluetooth pairing

Click "BT014", choose "pair Device", as below:



#### 3.3 Bluetooth password

After Bluetooth pair there is a dialog box pop up to request input Bluetooth passkey. T-75 default Bluetooth connection passKEY is "0000"

🖇 IVT Corporation BlueSoleil 主窗口 - Evaluation (51BB data 🔳 🗖 🗙
文件 (F) 查看 (V) 我的蓝牙 (B) 我的服务 (S) 工具 (T) 帮助 (H)
- CP 🗞 🐼 H 📴 🔁 🖾 🖉 🐼 🐨 ଐ 🞧
一个远程设备请求输入蓝牙口令创建连接的配对关系. 确定 (0) 请输入与远程设备端相同的口令:
设备地址 10:00:E8:AE:71:9C
蓝牙口令
利余时间: 25 s
Lenovo 55.
BT014
BT014 10:00:E8:AE:71:9C 搜索设备名称完成. PAN IP: 192.168.50.1
蓝牙图例 2.2



#### 3.4 Get Bluetooth serial port

Bluetooth pairing success, right-click the "BT014" icon, select "connect"- "Bluetooth Serial Port Service", as below:



At this time, the Bluetooth management tools will automatically connect with T-75 by Bluetooth adapter. The same time, the specific serial port service information in the system file shows the COM port number. As below:



## 3.5 Bluetooth signal test

Right click "BT014" icon, choose "Status", it show Com port number and Bluetooth signal Intensity value, as below:

远程设备状态		×			
通用					
设备名称:	BT014				
状态:	已连接.				
持续时间:	00:02:36	3			
配对:	是				
角色:	从				
端口:	COM5 (SP)	P)			
活动					
	发送 —— 💼	收到			
字节数	199	282			
信号强弱					
33	好	强			
确定 取消 帮助					

## 3.6 Test

Open "User software", double click "VH75 dwnload.exe" file.

# 4 Appendix

#### 4.1 Document Revisions

Date	Version	Description
18. Feb 2016	0.1	First draft