TCP/IP RFID Reader Setting Guide

connection Diagram

Use crossover Ethernet Cable if connect the reader with PC directly





Use Straight Through (Patch) Ethernet Cable if connect the reader with HUB





Driver Installation

Run path:\\TCP-IP driver\setup.exe to install the TCP/IP to serial port driver

After installation, below components will be found from the "Tibbo" program menu.

📙 Tibb	0
_ т	ibbo Device Server Toolkit
e] TDST Website
	J Tibbo Connection Wizard
	Zibbo Device Server Toolkit Do
4	J Tibbo DS Manager
2	Tibbo Monitor Console with D
2	Tibbo Monitor Console
2	J Tibbo Monitor
	Tibbo VSP Manager
6	Uninstall

Connection Wizard assists you in setting up typical data links involving Device Servers and *Virtual Serial Ports*.

Device Server Manager (*DS Manager*) is used to locate, setup, manage, monitor, and upgrade Device Servers.

Port Monitor is a supplementary program that logs the activity of *VSPs* on your system. **Virtual Serial Port Driver*** (*VSPD*) powers **Virtual Serial Ports** (*VSPs*) that are used to network-enable legacy serial systems. To any *Windows* application the *VSP* "looks and feels" just like any standard COM port.

Virtual Serial Port Manager (VSP Manager) is used to add, delete, and setup VSPs.

How to set up a virtual com port

[1] Connect the reader to the Network (by PC (crossover cable) or Hub (patch cable)) then run the "Tibbo VSP Manager"



[2] Click "Add" virtual com port here



[3] select the "virtual com port #" here

Properties	Control Lines Defau	lt Serial Settings	
VSP name:	COM2	For user:	<u>A1</u>
Networking			
Transport protocol:	TCP	Transport provider:	TDI (default) 💌
Routing mode:	Client	Connection mode:	0n data 👻
On-the-fly commands:	Out-of-band	 OTF index: 	0
Listening port:	0	Connection timeout:	5
Destination			
Specify by:	IP-address	• B	rowse for DS
IP-address:	192.168.0.200	: 100*	

[4] Browse the TCP/IP network and select the reader IP address.

If the reader is connected successfully , the reader IP will be shown here . Then click "select"

If can't found the reader IP , pls disable the "windows Firewall" and make sure the device is with the same Network ID as your Network system.

Group	: General (Default group)				-) [Refresh
Status	IP	Access	Owner/Device n	Comment		Select
	192.168.0.200 (local)	UDP (65535)		Local DS		Settings Upgrade Initialize Routing Status Buzz! Add
	Devices from the add Click here to learn mo	ress book. The add	dress book is created r ess book access mode	nanually using Add, 1 . <u>More inte</u>	Remove, a	Remove Edit Groups Find and Edit buttons

You can edit the reader IP to match your Network system ID .

[5] A virtual com port is created as follow :

ort Help	D			
Port name	Routing mode	Destination	Local	Add
COM2	TCP client	192,168,0,200,1		Remove
				Remove All
				Properties
				Allow
				Configs
			<u> </u>	

[6] verify the virtual com port is created successfully from "windows - Device Manager - COM & LPT"



[7] Select the correct "virtual com port #" and run the demo program for testing .

· · · /	x0000 Testinode 10011110A Trococor 100111	100 11000001	
ommunication	Reader information		Inventory Scan Time
ort: COM2 💌	Type: Version: 01.00 Prot	ocol:	30 ▼ *100ms Write
eaderAddr: FF	Address: 00 Inventoryscantime: 0	*100ms GetReaderInformation	Mode Change
Oepn Com Port	Operation Mode		Changeto 15693
lready Open:	-	🤆 Select Mode	Inventory (Single)
COM2 🗾	Address Mode	C Non-Address Mode	Inventory
Close Com Port	Tag Information		Inventory (AFI)
ower Management		Get System Information	-Incentory (Multiple tags
Open RF		<u>_</u>	Nerw Inventory
Close RF	J	10.64	Continue Inventory
	Write Type:	▼ BlockSize: ▼	New Inventory (AFI)
ange Keader Addr	Block:	ReadSingleBlock	Continue Inventory (AFI)
dr (Her) · 100			1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1