

### Ethernet Time Clock – Tibbo Software Installation and Configuration V5.7 for Windows Vista and Windows 7

When using the Icon Time Systems PROX or PIN Entry Employee Time Clocks with Ethernet capabilities, you must install supplementary communication port driver software.

NOTE: If you are using Windows XP, download the free Tibbo Device Server Toolkit version 3.12 for Windows XP from (<u>http://support.icontime.com</u>). Click on the Downloads link and download the appropriate file. Windows XP installation instructions can be found on that download page.

### Installing the Tibbo Device Server Toolkit

Step 1: Install TimeVue.

Step 2: Click on the Windows Start icon, select All Programs> Icon Time Systems>Ethernet Time Clock Setup>Install Tibbo.



• If a User Account Control warning appears, click Continue or Allow depending on the version of Windows you are running.



**Step 3**: Continue through the License Agreement and installation process by clicking the **Next** button. Be sure to install all components.

🧿 Tibbo Device Server Toolkit	Setup
	hoose Components Choose which features of Tibbo Device Server Toolkit you want to install.
Check the components you w install, Click Next to continue.	ant to install and uncheck the components you don't want to
Select the type of install:	Full 🔻
Or, select the optional components you wish to install:	<ul> <li>✓ Core files (required)</li> <li>✓ Tibbo Monitor (recommended)</li> <li>✓ Samples</li> <li>✓ Create Start Menu Shortcuts</li> </ul>
	Description
Space required: 1.5MB	Position your mouse over a component to see its description.
Nullsoft Install System v2.22	
	< Back Next > Cancel

Step 4: Click the Finish button at the end of the installation.

# **Configuring the Tibbo Software**

Step 1: Open the Tibbo VSP Manager as administrator by clicking on the Windows Start icon, select All Programs>Tibbo>Tibbo Device Server Toolkit>VSP Manager.

Right-click on this **VSP Manager** icon and select the option to **Run as Administrator**.

	Open
	Open file location
۲	Run as administrator
	Pin to Start Menu
	۲

Step 2: The VSP Manager main window will appear.

- Click the **Add** button.
- The Virtual Serial Port Properties window will open.

Port name	Routing mode	Destination	Local	Add
				Remove
				Remove
				Properties
				Allow Per-Use Configs

**Step 3**: Choose any available COM port from the drop down menu in the **VSP name** field.

Note: COM10 is used in these examples. It is suggested that you choose any available COM port between COM5 and COM16.

Make sure these default networking settings are selected:

- Transport Protocol: TCP
- Transport Provider: TDI(default)
- Routing Mode: Client
- Connection Mode: On data
- On-the-fly commands: Out-of-band
- **OTF index**: 0
- Listening port: 1001
- Connection timeout: 5

New Tibbo Virtual Serial Port Properties ? X VSP Properties Control Lines Default Serial Settings VSP name: COM10 -For user: Main Config Networking Transport TCP Transport TDI (default) -Routing Client Connection On data -mode: On-the-fly Out-of-band OTF index: 0 × commands: Connection 5 Listening 1001 port: \* timeout Destination Specify by: IP-address Browse for DS... IP-address: 1|0.0.1 1001 OK Cancel

At the bottom right of **Virtual Serial Port** Properties window, click the **Browse for DS** button. This will launch a new window called the **DS Manager**.

**Step 4**: Connect your time clock to the local area network.

• The **DS Manager** detects the Ethernet Time Clocks by broadcast and lists them as shown to the right. The default IP Address is set to 1.0.0.1 from the factory. Click the **Refresh** button on the right to refresh the list from time to time.



*Troubleshooting:* If the Ethernet Time Clock does not appear, you may have something on your

network blocking the broadcast. Disable any software or hardware firewalls that might interfere with the broadcast.

Step 5: Program a static IP Address into the clock.

 Click on the device IP Address in the main DS Manager window to select it. Click the Change IP button.

NOTE: Speak to your network administrator to determine an available IP Address for your clock.



• Enter your IP Address in the space provided and Click **OK**.

The **DS Manager** will update the clock with the new IP Address and refresh the window. The barrel shaped icon in the status column of the **DS Manager** should be dark blue.

Step 6: Verify and set the Ethernet module properties.

Make sure the IP Address is still highlighted in the **DS Manager**. Click the **Settings** button to the right to display the **Settings** screen.

Select the **Connection** tab. To change a setting, left mouse-click on the item listed in the right column. A drop-down arrow will appear. Choose the proper setting from the drop-down list. Only change the options listed below.

- Transport protocol: 1-TCP
- Routing Mode: 1-Server OR Client(Master)

The rest of the **Connection** settings that appear should be left at their default values.

- Connection timeout (min): 5
- Link Service login: 0-Disabled
- Inband commands: 0-Disabled
- Data login: 0-Disabled
- Accept Connection from: 0-Any IPaddress
- Connection mode: 1-On data OR command
- Destination IP address: 1.0.0.2
- Destination port: 1001
- Notification destination: 0-Last port

Select the **Serial port** tab. Only change the options listed below.

- Baud rate: 3-9600 bps
- Soft entry into Serial Programming: 1-Enabled(option 1)

The rest of the **Serial port** settings that appear should be left at their default values.

- Serial interface: 2-Automatic
- RTC/CTS flow control: 1-Local
- DTR mode: 0-ldle or remote
- Power-up DTR state: 0-LOW
- Parity: 0-None

Network	Connection	Seria	al port	Outbound packets	All
Connect	tion timeout (m	in)	5		
Transpo	rt protocol		0- U	IDP	
Broad	cast UDP data	3	0- R	leject	
Link S	iervice login		(irrel	evant)	
Inban	d commands		(irrel	evant)	
Data I	ogin		(inel	evant)	
Routing	Mode		0- S	erver (Slave)	
Accep	ot connection f	from	0- A	ny IP-address	
Conne	ection mode		(irrel	evant)	
Destin	ation IP-addre	SS	(irrel	evant)	
Destin	ation port		(irrel	evant)	
Notificat	ion destination	1	0- Li	ast port	

letwork	Connection	Serial p	port	Outbound packets	All
Serial in	terface		2- A	utomatic	
RTS/CT	<b>FS</b> flow control	,	1- L	ocal	
DTR mo	de		0- ld	dle or remote	
Powe	r-up DTR state	6	0- LI	OW	
Baud rai	te		5-3	8400 bps	
Parity			0- N	lone	
Data bit	S		1-8	bits	
Soft ent	ry into Serial pr	ogramm	0- D	lisabled	
Escap	e character (A	SCII co	(irrel	evant)	
On-the-l	Ty commands		1- E	nabled	
Passw	vord for on-the-	Fly con	0- D	lisabled	
Notificat	ion bitmask		0		

- Data bits: 1-8 bits
- Escape Character (ASCII code): 1
- **On-the-Fly commands:** 1-Enabled
- Password for on-the-Fly commands: 0-Disabled
- Notification bitmask: 0

Click OK to close the **Settings** window. Do not change any settings in the other tabs.

Back in the **DS Manager** window, select the IP Address again and click the **Select** button on the right-hand side of the window.

The DS Manager window will close.

**Step 7**: Back in the **VSP Port Properties** window, verify that the correct IP Address appears in the **IP address** field.

The field to the right of the IP Address should contain the number "1001".

Click **OK** to save your settings.

SP Properties	Control Lines Default	Serial Settings	-
VSP name:	СОМ10 -	For user:	Main Config
Networking			
Transport protocol:	TCP •	] Transport provider:	TDI (default) 🔻
Routing mode:	Client 🔻	Connection	On data 🔹 🔻
On-the-fly commands:	Out-of-band 🔹	OTF index:	0
Listening port:	1001	Connection timeout:	5
Destination			
Specify by:	IP-address	• B	rowse for DS
IP-address:	192.168.1.200	: 100	1

**Step 8**: A summary of the time clock settings will display in the main **VSP Manager** window.

Click the **x** button to close the **VSP Manager**.

Now, the time clock can be setup in the TimeVue Software.

Port name	Routing mode	Destination	Local	Add
СОМ10	TCP client	192.168.1.200:1		Remove Remove All
				Allow Properties Per-User Configs

## Setting Up your Time Clock in TimeVue

**Step 1**: Open the TimeVue software application and click the **Start** button.

Step 2: Select the Time Clocks icon on the left-hand side of the TimeVue Switchboard.

**Step 3**: Click the blue "+" symbol button in the upper left corner of the **Time Clocks** screen to add a new clock to the clock list.

Step 4: Choose a name for your clock, set the **Type** to *RS232*, the port to COM port number you created earlier in the **VSP Manager**. Leave the **Dialup String** field blank.

9 19 19 19 19 19 19 19 19 19 19 19 19 19			
Time Clocks	Explain		
Time Clock Name	Туре	Port	Dialup String
1 ETHERNET CLOCK	RS232	COM 10	
Add Clock	RS232	COM 10 (SON, CSON,	Test

**Step 5**: Click the **Test** button to verify that your computer can communicate with the clock.

A dialog box similar to the one shown to the right will appear. Select **OK** to close the dialog box.

If the communication test is not successful, verify that all of the settings in the Tibbo **DS Manager** and the **VSP Manager** are correct.

# Communications Test Ok.

X

TEST OK.

### Note:

- For instructions on setting up your Ethernet Time Clock in a remote location, refer to page 46 of the TimeVue User Guide.
- For instructions on setting up additional Ethernet Time Clocks in TimeVue, refer to page 48 of the TimeVue User Guide.

NOTE: In order to support communication issues in our software, you must be able to ping the clock at your Windows command prompt. Talk to your network administrator about this procedure. If you cannot ping the clock, there may be an issue outside the realm of our support boundaries that is causing a problem. For example, hardware or software firewalls can cause problems. Call the technical support line at 800-847-2232 option 1 if you need further assistance.