

# READ THIS FIRST

## Quick Start Guide:

### HOBO® System Setup using Tibbo Serial Device Server

Inside this box:

- **Onset Part No: SERVER-DS203:**  
Tibbo Serial Device Server  
AC Adaptor Power Supply (Onset Part No: P-AC-2)

## Introduction

Thank you for your purchase. This guide provides instructions for the setup of a Tibbo Technology Inc. serial device server (Onset Part No: SERVER-DS203) for use with a serial HOBO data logger and HOBOWare® software.

## Step 1: Connect Tibbo Serial Device Server to Network:

- 1.1. Connect the Tibbo DS203 server to your network. Make sure the AC power adaptor supplied with the server is connected and that the server's LED indicators are on.




## Step 2: Install Tibbo Software:

- 2.1. In order to use the Tibbo DS203 server you will need to create a new *Virtual Serial Port (VSP)* for the device to connect to (unless your IT department already has done this for you). Also, you will need to know if your network system is configured for static (fixed) or DHCP (dynamic) IP address mode. The remainder of the instructions in this section deals with configuring a VSP.
- 2.2. Go to [www.tibbo.com](http://www.tibbo.com)
- 2.3. Click on "downloads."
- 2.4. Click on "*Device Server Toolkit (DST) software for Windows*" under the "*PC software for Windows and LINUX*" heading.
- 2.5. Select "*TDST 3-9-82.zip*" (or current release available).
- 2.6. Complete registration form if this is your first time, or log in for download accessibility. **Note:** Once you have registered, you must wait for a return confirming email that should arrive quickly in your inbox. Click on the link indicated and you will be returned to the Tibbo homepage where you will need to repeat steps 2.3 through 2.6 and then log in with your email address and password.
- 2.7. Click the "*here*" link to begin download.
- 2.8. Choose "*Run*" or "*Save*" (recommended) on "*File Download*" pane and wait for file to download.
- 2.9. After the download is completed, extract the ZIP file to a location you will remember.
- 2.10. From the location to which you extracted the ZIP file, run "*Setup.exe*" to install the Tibbo Device Server Toolkit.
- 2.11. After the installation is completed, find and open the "*Tibbo*" program group in your Windows® "*Programs*" list and run "*Connection Wizard*" by clicking on it.
- 2.12. Click the "*next*" button. You will be brought to a screen titled "*Select the kind of link you wish to create.*"
- 2.13. Select "*Create a link between a Virtual Serial Port and a Device Server*" and click the "*next*" button. You will be brought to a screen titled "*Specify the Virtual Serial Port.*"
- 2.14. Select "*Create new VSP*" and select an appropriate port number. We recommend choosing a port not in use by your computer (port numbers above 10 are usually safe). Again, click the "*next*" button. You will be brought to a screen titled "*Specify the Device Server.*"
- 2.15. Click the "*Select from the list...*" button located near the bottom of the window. A window will pop up where you will see a list containing both the new and any pre-existing devices.

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- 2.16. Click on the new device to highlight it, and then click the “*Settings*” button. This will bring up the “*Settings*” screen / “*Network*” tab. At this point you must select the IP address mode for which your network is configured. Proceed to either step 2.16.1 or 2.16.2 below as applicable for your network. **Note:** While on “*Network*” pane you may also fill in your “*Owner*” and “*Device*” name.
  - 2.16.1. If your network uses *DHCP-assigned addresses*, click on the “*disabled*” box in the “*Settings*” pane and select “*enable*” from the pull-down menu that appears. Your network will now assign an IP address and reboot the device configuration. Now click “*OK.*”
  - 2.16.2. If your network uses *static addresses*, click on the IP address field and enter the IP address supplied by your IT department. Make sure to leave DHCP “*disabled.*” Now click “*OK.*”
- 2.17. You will be returned to the “*DS Manager – V3.9-82*” screen. Click “*Refresh*” and the new device will appear with a correct IP address.
- 2.18. Click on the new device address to highlight, and then click “*Select.*” This will return you to the “*Connection Wizard*” screen with updated device information.
- 2.19. Click “*Next*” and continue through remaining panes accepting defaults by clicking “*Next.*” **Note:** Select “*Continue Anyway*” on the two “warning” panes. The final pane allows you to review and confirm your settings if you wish.
- 2.20. Click “*Finish*” to complete installation.
- 2.21. The Tibbo server should now be part of your network. Proceed to next section for instructions on logger connection and logger software configuration.

### Step 3: Connect Logger and Configure HOBOWare Software:

- 3.1. Connect logger to the Tibbo server via Onset Part No. CABLE-PC-3.5 or equivalent.
- 3.2. **Note:** The instructions in this section require HOBOWare software version 2.2.0 or higher. For HOBOWare to recognize the logger that is now “connected” to the VSP that was created in the previous section, please see the scenario listed below that best describes your particular situation, and then follow the instructions. Once HOBOWare recognizes the logger, you will then be able to launch it, read out its data and check its status by clicking on the ,  and  icons respectively on the HOBOWare toolbar. Refer to the printed HOBOWare user’s guide for additional information.
  - For first-time installation of HOBOWare, the “*HOBOWare Setup Assistant*” will allow you to select the device type(s) you will be using. You may choose “*Serial devices only*” (recommended) or keep the “*USB and serial devices*” default. Also, in the “*Serial port(s) to use*” area, click to select the checkbox next to the VSP name chosen in step 2.14.
  - If HOBOWare is already installed and configured for serial devices, it must be updated to access the new VSP. Click “*Preferences...*” under ‘*File*’ on the menu bar. In the “*HOBOWare Preferences*” window, select “*Communications*” then “*Serial Ports.*” Click to select the checkbox next to the VSP COM port number you chose in step 2.14. Click “*OK*” to return to main menu.
  - If HOBOWare is already installed and configured for USB devices only, it must be updated to communicate with serial devices and to access the new VSP. Click “*Preferences...*” under ‘*File*’ on the menu bar. In the “*HOBOWare Preferences*” window, select “*Communications*” then “*Device Types.*” Select either “*Serial devices only*” (recommended) or “*USB and serial devices.*” Next, select “*Serial Ports*” and click to select the checkbox next to the VSP COM port number you chose in step 2.14. Click “*OK*” to return to main menu.