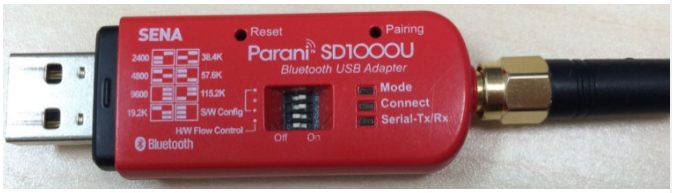
Com Port Identification

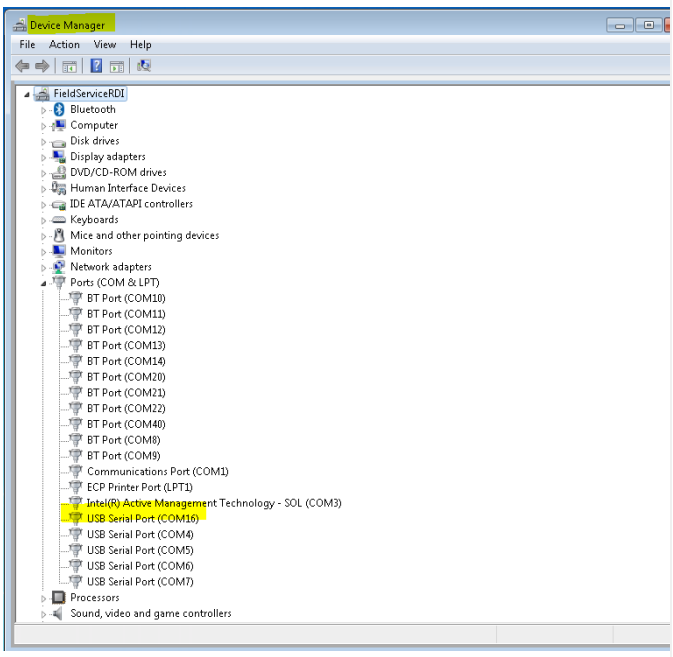
Step 1. Set the switches as shown below and the table on page 2 for 115200 baud. ON = Right; OFF = Left

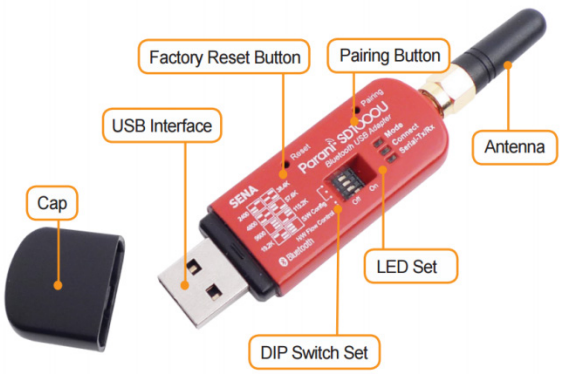
	ON
	ON
OFF	
OFF	



Step 2. Plug in the SD1000U device to a USB port and determine the Com port as shown in the snap shot for a Windows 7® laptop, in this case Com 16.

If you have many ports as shown below and are not sure of which port is the Parani one, remove the adapter, wait a moment, note the list of ports, reinsert the adapter and note the new (Parani) port.





ParaniWin Software Configuration

Step 1. Load the *ParaniWin*® software from the CD onto your computer.

Double click on **Software.**

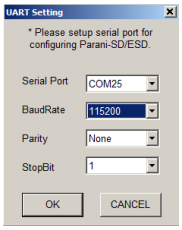
Double click on *setup_ParaniWin-v1.04.exe*.

When the software is installed on your laptop, the desktop icon will look as shown below.

Step 2. Run the *ParaniWin* program. It looks as follows:

Remember the switches on the SD1000U dongle determine the baud rate between the dongle and the laptop. You will need to select the correct baud rate to get to next screen. Based on the highlited switch settings the baud rate should be 115200.

Enter the COM port identified in step 2 of Com Port Identification.



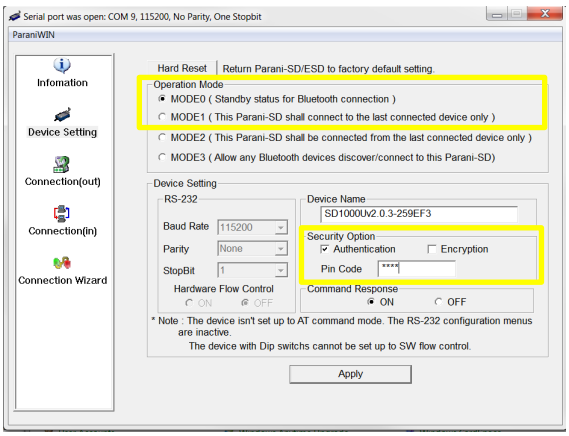
Step 3. The first time you use the dongle you will need to use Mode 0. With the Bluetooth modules used since August 2017 (or a repaired older unit where the Bluetooth module was replaced) select **Mode 0** and you may or may not need to select **Authentication** (not Encryption). The **Pin Code** is 0000 (four zeros) and click **Apply**.

The **Pin Code** is 0 (zero) for systems shipped prior to August 2017.

Select **Mode 1** if you always want to have the adapter connect to the same ADCP each time you plug the adapter into your computer. If you want to connect to one of many different ADCPs then chose **Mode 0**.

The selection of Mode 0 or Mode 1 is independent of **Authentication**/no Authentication.

Click **Apply**. You will receive a Completed Configuration message.



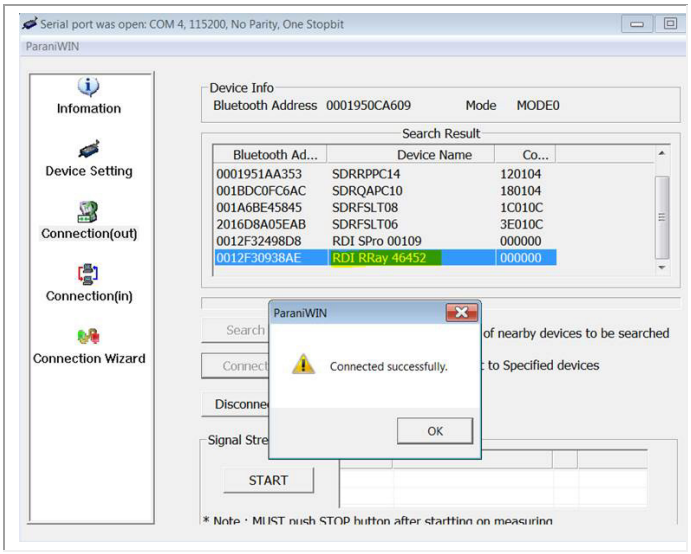
Step 4. Click **Connection (out)**.

Click the **Search** button.

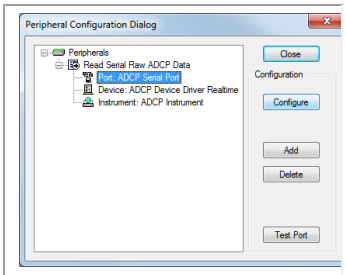
This example shows a RiverRay system.

Click the **Connect** button. You will receive a "**Connected successfully**" message.

Exit the *ParaniWin* program by clicking on the X. Continue to ADCP Bluetooth Connection in WinRiver II.



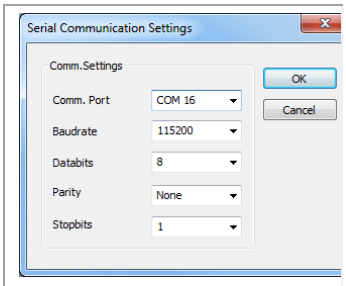
ADCP Bluetooth Connection in WinRiver II



Step 1. Start *WinRiver II.*

On the **Configure** menu, select **Peripherals**.

Select **Port: ADCP Serial Port** and then click the **Configure** button.

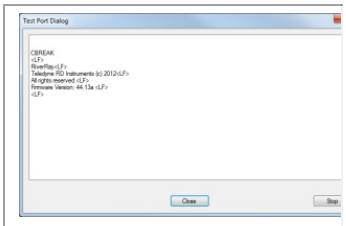


Step 2. Select the **Comm. Port** number as noted in the Device Manager screen.

Click **OK** to close the Serial Communication Settings screen.

In this example, the Comm. Port is set to Com Port 16.

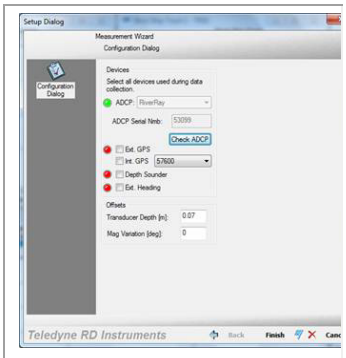
The Baudrate must be set to 115200.



Step 3. Click the **Test Port** button. The ADCP wakeup message should appear.

Click the **Close** button to exit the Test Port Dialog.

Click the **Close** button once more to exit the Peripherals Configuration Dialog.



Step 4. Start a new measurement in *WinRiver II* by clicking **File**, **Quick MMT** or use **File**, **New Measurement** to run the Measurement Wizard.

SD1000U USB Bluetooth Settings

In Windows XP® and later systems the driver may load automatically when you plug in the SD1000U adapter. TRDI strongly recommends that users install the drivers and test communications in a location with internet access, before proceeding to their measurement location.

Refer to the Sena documentation and the diagram on the device for switch settings or use the table below.

The switches are shown with the adapter held in your hand with the USB connector to the left and the antenna to the right. ON = Right; OFF = Left. The switches on the dongle determine the baud rate between the dongle and the laptop. It is best to make this the same as the ADCP which should be 115200 for RiverRay, RiverPro, and StreamPro ADCPs.

Baud Rate	2400		4800		9600		19.2K		38.4K		57.6K		115.2K		S/W	
		ON	OFF			ON	OFF			ON	OFF			ON	OFF	
	OFF			ON		ON		ON	OFF		OFF			ON	OFF	
	OFF		OFF			ON		ON		ON		ON	OFF		OFF	

Hardware Flow Control Handshaking	No Use	Use
	OFF	ON