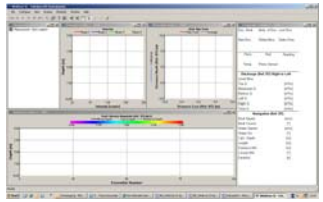
SEBA HYDROMETRIE

Gewerbestr. 61a
D-87600 Kaufbeuren

Tel. (+49) 8341 / 9648-0
Fax (+49) 8341 / 964848
E-Mail: info@seba.de
Internet: www.seba.de

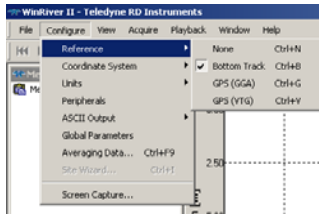
WinRiver II

WinRiver II Main Screen

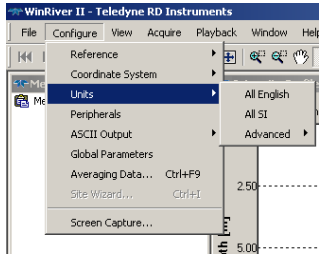


WinRiver II is the software used to set configurations, collect data with StreamPro and Workhorse Rio Grande, and playback previous transects.

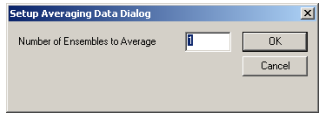
Configure



On the **Configure** menu, click **Reference**. Select the desired reference: **None**, **Bottom Track**, **GPS (GGA)**, or **GPS (VTG)**.

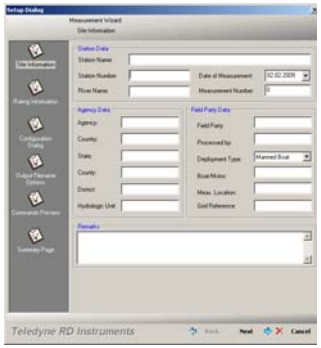


To change the units for all displays, on the **Configure** menu, select **Units**.



On the **Configure** menu, click **Averaging Data…** Enter a number greater than one to average the data.

Measurement Wizard



Site Information:

Enter the Site Information.

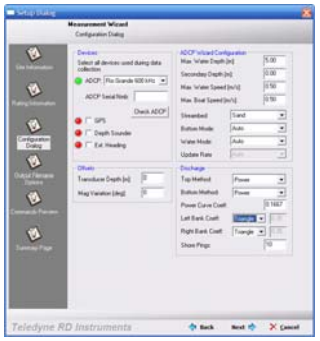
Enter a **Station Name** and **Measurement Number** (alphanumeric).

Click **Next**.

Rating Information:

Enter the Rating Information.

Click **Next**.



Configuration Dialog:

Enter your choices for how the configuration will be setup.

Click **Next**.

Output Filename Options:
Use the **Output Directory** field to select where the data file will be stored.
Check the **Measurement Number** box to add it to the file name.
Click **Next**.

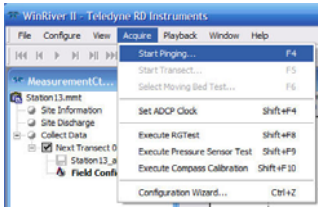
Commands Preview:
The Commands Preview is where adjustments can be made to the commands produced by the measurement wizard
Click **Next**.

Summary Page:

Review the **Summary Page**. When done, click **Finish**.

A green check mark next to **WM12** and **BM7** means that the ADCP is capable of using these modes, not that the mode is selected.

Aquire



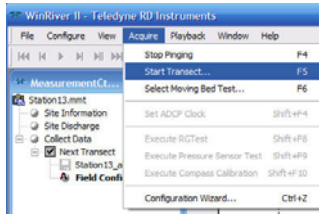
Step 1:

On the **Acquire** menu click **Start Pinging** or use the shortcut key **F4**.

Step 2:

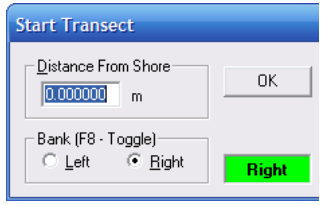
Click **View**, **Tabular**, **Velocity** to open a **Velocity Tabular 1** display.
Move out from the shore until the water is deep enough to consistently show good values for two bins.

Mark this position as starting/stopping position.



Step 3:

Starting at one of the edge positions determined. On the **Acquire** menu click **Start Transect (F5)** to begin recording.

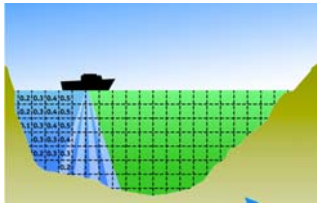


Step 4:

When prompted, enter the beginning distance to the bank and determine if this is the left or right bank. When facing downstream, the left bank is on your left side. Click **OK** to start.

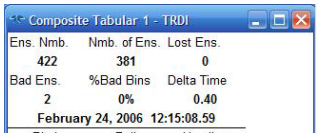
Step 5:

Hold this start position and view the **Composite Tabular** display. Check if the **Nmb. of Ens.** minus any **Bad Ens.** is more (or equal) to the number of shore ensembles (the default is 10 shore ensembles).



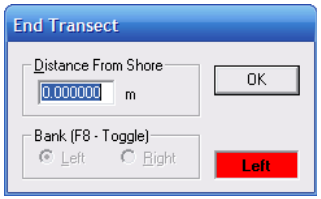
Step 6:

Move across the river as *smoothly* as possible. For the best measurement results, the boat's speed over the bottom should be no greater than the water speed of the river.



Step 7:

Continue across the river until you reach the stop position determined. Stop at this position and wait for the Shore Ensembles measurements to be recorded.



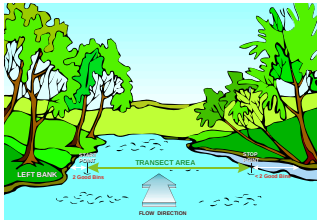
Step 8:

Press **F5** to stop recording.

When prompted, enter the ending distance to the bank.

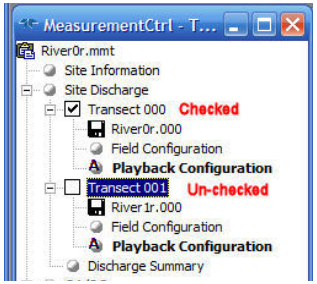
Step 9:

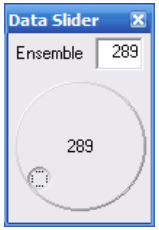
Check **Bad Ensembles** and **% Bad Bins**. The number of Bad Bins should be less than 25%.

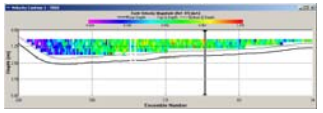


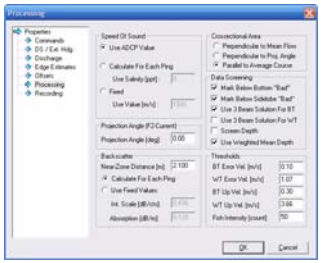
Repeat step 3 to 9. An even number of *at least four* transects that agree with each other to within 5% of the mean of all the samples are recommended. When you are finished acquiring the data, press **F4** to stop the ADCP pinging.

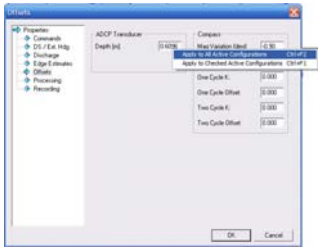
Playback











To playback a data file, use the **Playback** menu and select **Reprocess Checked Transects** (click the check box to select the files). This will create a copy of the **Field Configuration node** and creates a **Playback Configuration node**.

On the **Playback** menu, click **First Ensemble** to go to the beginning of the data file. Click **Play** to review the data.

To quickly play through the data, on the **Playback** menu, select **Slider** or drag the ensemble marker on the contour plot.

To change the data screening for a selected data file, right-click on the **Playback Configuration node** and select **Properties**.
Select the **Processing** page. Change the settings as needed. Click **OK**.

The selected data file will playback automatically.

If the change applies to multiple Playback Configuration nodes, then right click the edited item (**Apply to All Active Configurations** or **Apply to Checked Active Configurations**).