



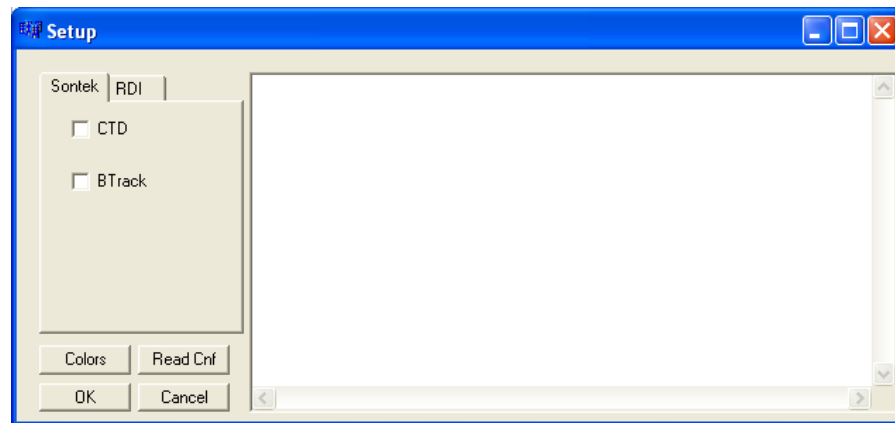
ADCP Driver

by Ken Aiken

I've been working on the ADCP driver for water velocity collection. This is compatible with RDI's WorkHorse ADCPs and Sontek ADCPs.

The setup for this device is relatively simple. In the setup window, select the tab corresponding to your model and check the options you wish to enable. The Read Configuration button enables you to check the connection with the device and pull the currently loaded settings from it. If you wish to use bottom tracking on the ADCP, assign the device to a separate mobile in your hardware setup or you'll get a spirograph effect in the Survey Map window.

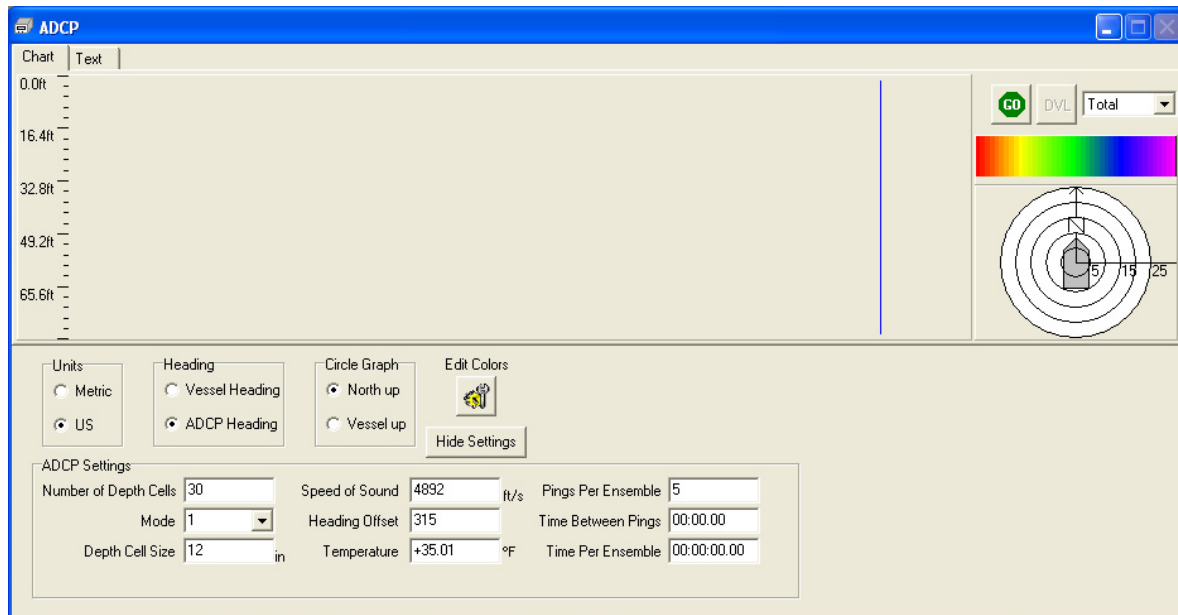
FIGURE 1. ADCP Driver Setup Dialog



In the Survey window you have quick access to many of the device's on board settings. These are accessible while the device is off via the Go/Stop button.

There are also a few display settings available at all times: For data visualization, there is a waterfall view and a graph displaying bin direction. Also, the text tab displays a spreadsheet view of each bin.

FIGURE 2. ADCP Controls



Don't worry if the data looks a little funny during data collection as the boat's movements aren't calculated in until post-processing.