

Getting Started with the RiverRay ADCP

Step

1

Verify all parts are present

The standard RiverRay includes:

- RiverRay ADCP with I/O Cable and Bluetooth Device
- Shipping case
- Spare Parts Kit
- Software and Documentation download instructions
- Printed copy of Getting Started and Deployment Guide
- Tri-hull Tethered Trimaran (Optional)
- Check packing slip for additional options



Step

2

Download the Software and Documentation

See Deployment Guide for details:

- Install WinRiver II
- Install TRDI Toolz
- Install any optional software (Q-View, SxS Pro)
- Download RiverRay documentation

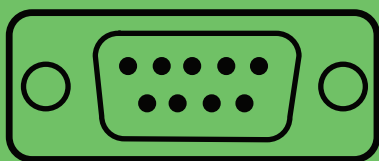


Step

3

Communication and Power Setup

See the Deployment Guide for detailed instructions.



With the Bluetooth modules used since August 2017 (or a repaired older unit where the Blue-tooth module was replaced) you may need to use Mode 0 and **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.

Step

4

Read the Deployment Guide

Included with the system is a printed copy of the Deployment Guide.



PRODUCT FEATURES

- **Ease of use:** easy to carry, easy to deploy, and easy to operate. Just power and go!
- **Intelligent:** Automatic adaptive sampling continuously optimizes your discharge measurement from bank to bank, thus ensuring the highest quality data without your intervention
- **Flat transducer:** The sleek phased array transducer design provides reduced size, weight, and flow disturbance.
- **Versatile:** A single instrument can now deliver high quality data in a 0.4 m stream or a 60 m river.
- **Superior surface measurements:** Interwoven independent and short range measurements improve the discharge computation in your critical surface layer.
- **Platform stability:** RiverRay's Tethered Trimaran boasts reduced drag, causes less flow disturbance, and provides superior handling—even in high water velocities and rough surface.

- **No cables required:** Data is wirelessly transmitted to your shore station via Bluetooth™ technology.
- **DGPS compatible:** Integrate an external DGPS for difficult conditions, such as moving beds.

OPTIONS

The **Manual Profile Modes** allows the RiverRay to override the automatic profiling mode and adds additional water profiling commands.

Combine your RiverRay with Teledyne RDI's **Q-View software** for unmatched measurement quality.

SxS Pro is a stationary ADCP discharge data collection and processing program.

The **Cable Chimp II** remotely moves across the line to pull your tethered boat across the waterway at the perfect transect speed.

The innovative **Ousel Board** is designed to use the natural flow of the water to get the line to the other side of the river.