

Getting Started with the ChannelMaster

Step

1

Verify all parts are present

The standard ChannelMaster includes:

- ChannelMaster with stainless steel mounting fixture
- Serial RS-232, RS-422 with converter, or SDI-12 Cable (located under the foam in shipping case)
- Shipping box
- Spare Parts Kit
- Software and Documentation download instructions
- Check packing slip for additional options



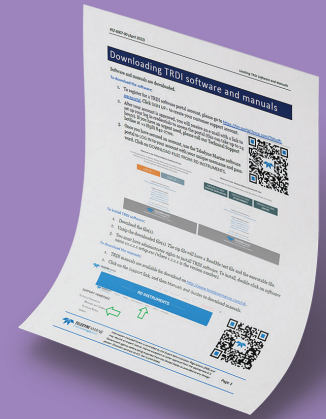
Step

2

Download the Software and Documentation

See Deployment Guide for details:

- Install ChannelMaster Utility software
- Install other included software as needed
- Download ChannelMaster manuals

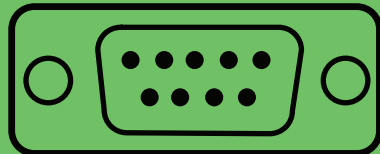


Step

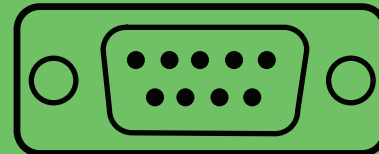
3

Communication and Power Setup

See the reverse side of this guide for detailed instructions.



RS-232



RS-422
(Use Converter)

SDI-12

Step

4

Read the Deployment Guides



ChannelMaster Deployment Guide



ChannelMaster SDI-12 Guide

ChannelMaster HADCP Features

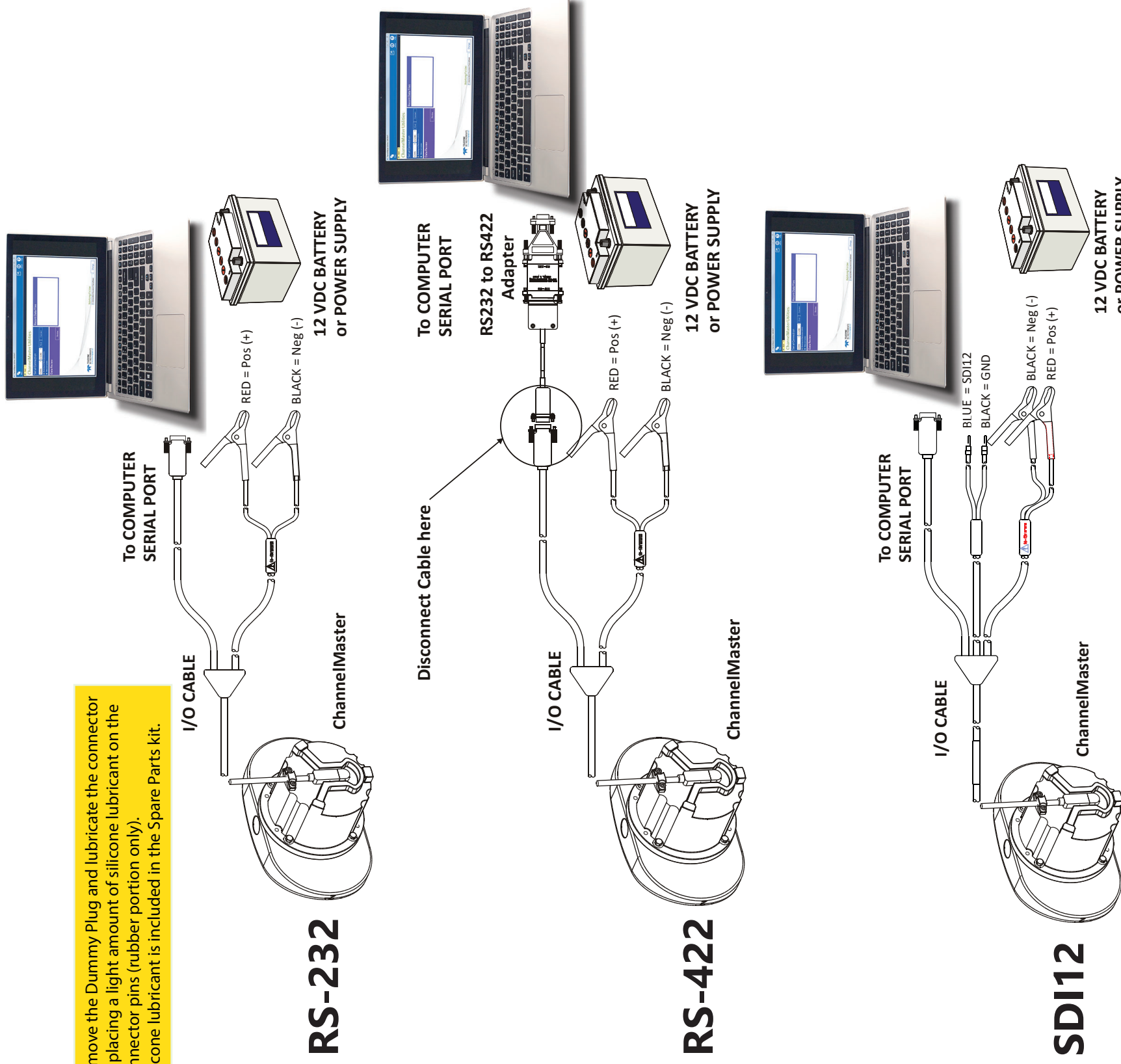
- **Accurate:** Teledyne RDI Broadband technology allows for small cells and/or short averaging sampling intervals, thus increasing your data accuracy.
- **Robust:** Collect highly accurate velocities even in difficult environments such as slow flow or rapidly changing flow.
- **Versatile:** ChannelMaster offers a range of 1 to 128 user selectable cell sizes from 25cm to 8m and profiling ranges from 1m to 300m (frequency dependent).
- **Sturdy:** Comes standard with stainless steel mounting fixture.

ChannelMaster Utilities Software

- Single integrated application for all your needs (setup, maintain, deploy and review)
- Optimized for the USGS standardized workflow for setup and maintenance
- Automatic logging of all information to meet record keeping requirements
- Developed in collaboration with expert customer feedback
- Enhanced beam diagnostics features to better inform during site maintenance
- Focused on ease of use and data accessibility

Step 3 Communication and Power Setup - Detailed Instructions

Remove the Dummy Plug and lubricate the connector by placing a light amount of silicone lubricant on the connector pins (rubber portion only). Silicone lubricant is included in the Spare Parts kit.

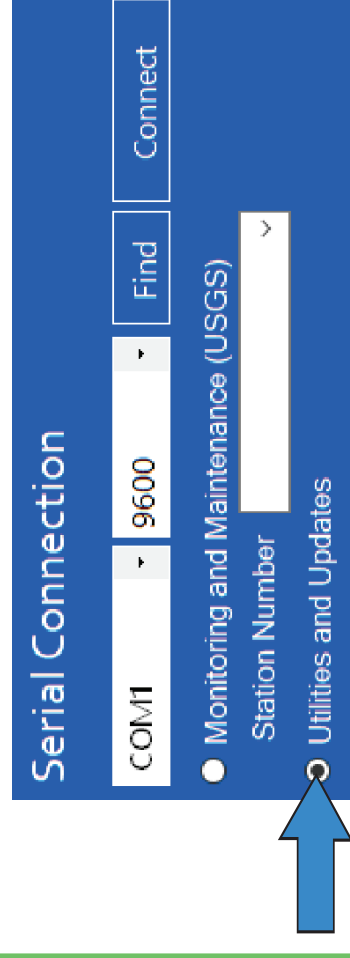


Step 3 A Connecting the I/O Cable

1. Remove the Dummy Plug and lubricate the connector by placing a light amount of silicone lubricant on the connector pins (rubber portion only). Silicone lubricant is included in the Spare Parts kit.
2. Connect the I/O cable to the ChannelMaster. Do so by pushing straight in against the connector. Roll the retaining strap over the connector.
3. Attach the I/O cable to the computer's communication port.
4. Connect a 12 volt battery or DC power supply to the power connector.

Step 3 B Setting Up the Communications

1. Start ChannelMaster Utilities software.
2. Select the **Utilities and Updates** radio button.
3. Enter the ChannelMaster's communication settings by selecting the **COM Port** the cable is connected to and **Baud Rate** from the drop-down lists.
4. Click the **Connect** button.



If you are unsure of the ChannelMaster's Baud rate or have trouble connecting, click the **Find** button. This will try different Bauds until it can connect, but not different COM ports.



Refer to the Deployment Guide for further information.