

# Steelhead Data Logger



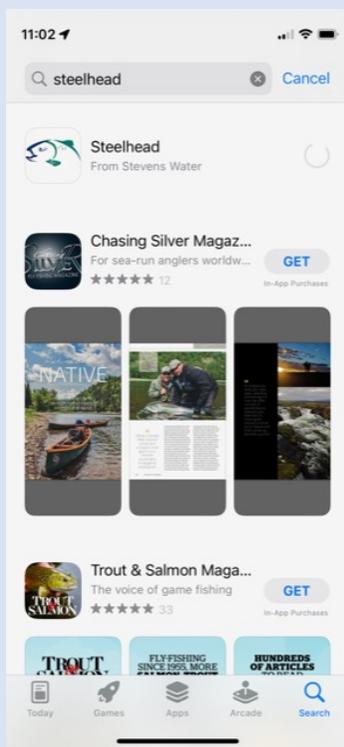
## Smart Phone QuickStart Guide

Stevens Water Monitoring Inc.  
12067 NE Glenn Widing Dr. Suite 106  
Portland Oregon, 97220, USA  
[www.stevenswater.com](http://www.stevenswater.com)



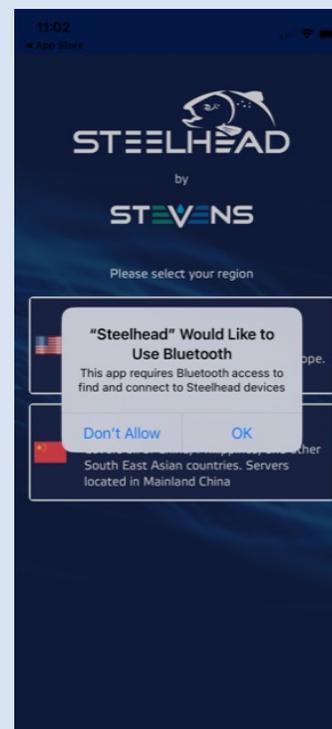
## Step 1

Find the Steelhead App from Apple Store or Google Android "PLAY" App Store. Use "Steelhead" as the search term.



## Step 2

The app will only take a few moments to download. Allow access to devices Bluetooth. Then select your region. It will be "Global" for most users.



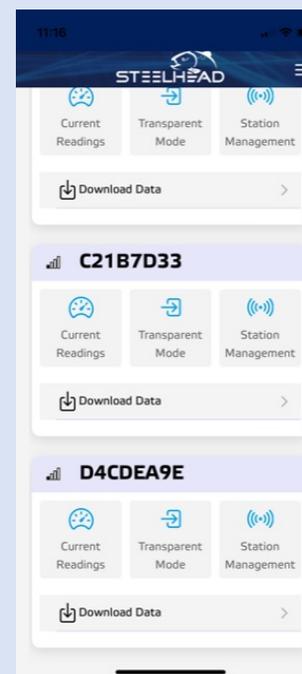
## Step 3

Log in using your existing Stevens-Connect Account. Select “Remember Me”. If you do not have a Stevens-Connect account, you can sign up for a Mobile Account on the bottom of this screen.



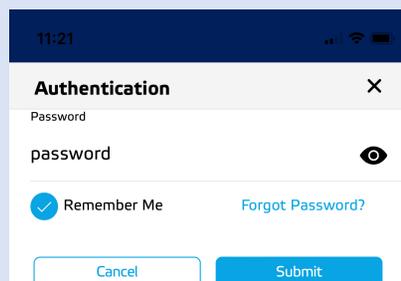
## Step 4

Once you are logged into the app. You will see the Steelhead loggers that are in close proximity to your mobile device. If none appear, check the Steelhead is turned on. There is a round panel on the back of the Steelhead that can be opened revealing an ON/OFF switch.



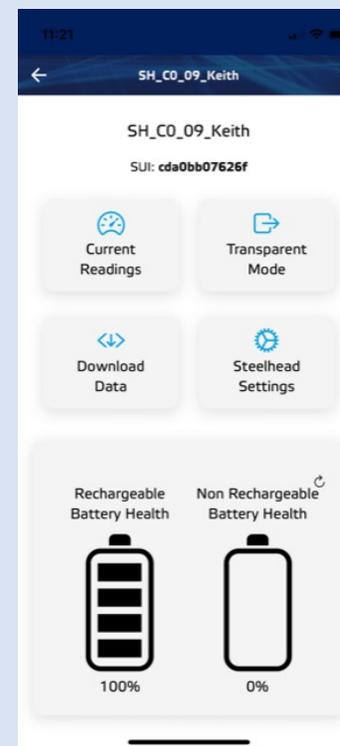
## Step 5

After you select your logger, you will need to authenticate the app to the logger. The default password is “password”, select “Remember Me”. You can set up a password in the settings selection or just leave it on the default. By selecting “Remember Me” you won’t have to go through authentication again for your mobile device.



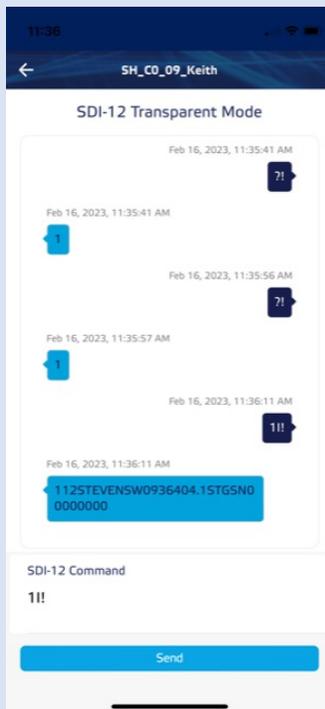
## Step 6

Once connected to the logger, you have a number options. Note that the Steelhead logger may have up to 30 parameter total. Those sensor inputs can be SDI-12, Modbus, or Pulse.



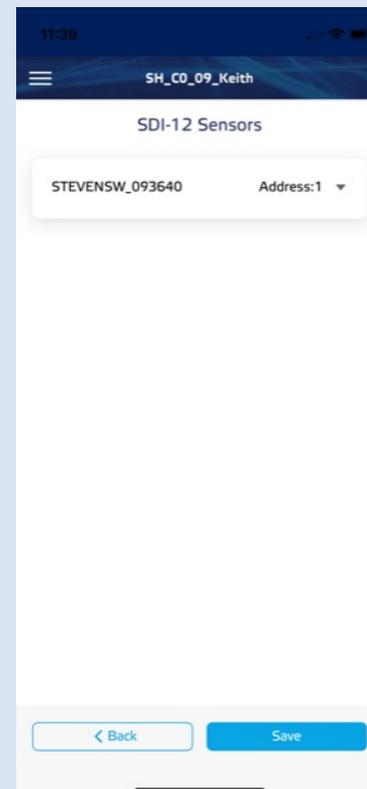
## Step 7 SDI-12 Setup

If your logger has no configuration preloaded, you can set one up. Connect an SDI-12 sensor. Go into the SDI-12 Transparent Mode. Here you can find the address with the “?!” command, change the address with the “aAb!” command or any other standard or extended SDI-12 command.



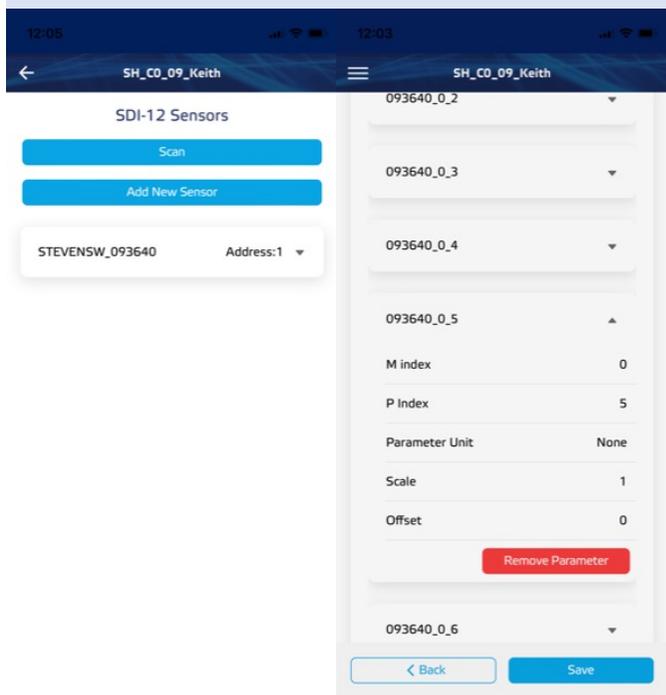
## Step 8 SDI-12 Setup 2

If you have just one SDI-12 sensor or if you already have your SDI-12 sensors address, you can just go into the SDI-12 Section under Steelhead Settings and click “Scan For Sensors”



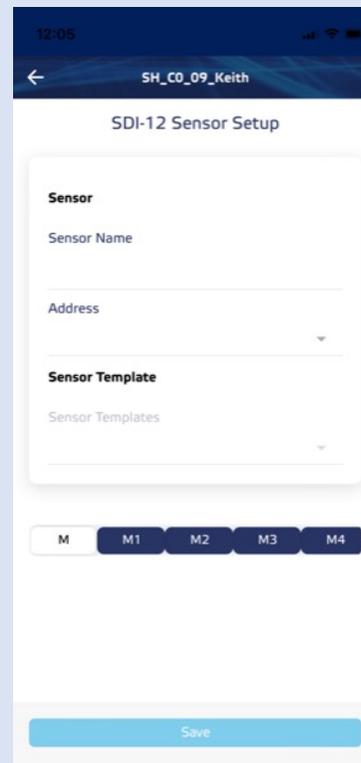
## Step 9 SDI-12 Setup 3

The Steelhead will give the SDI-12 Sensor a default name that is determined from the SCAN (i.e. a! commands). Click on the sensor and you can see options to set up the logging from "aM!" up to "aM4!" 9 parameters for each. Here you can change the sensor name and setup the logging configuration for each SDI-12 sensor.



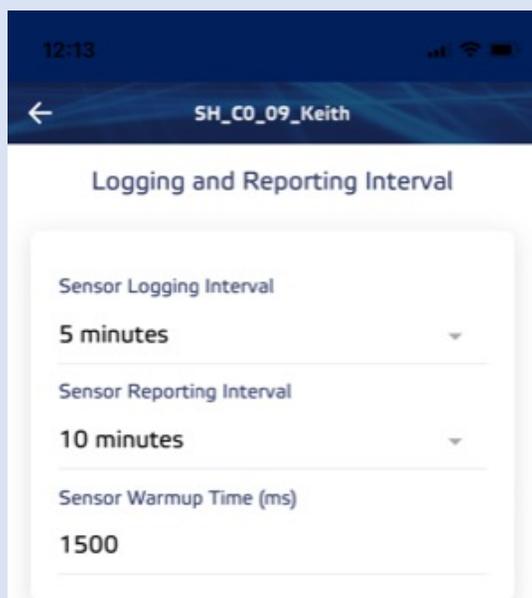
## Step 10 SDI-12 Setup 4

Or you can add a sensor using the add sensor button. You can give the parameters names and units. You can also set a scale and offset to the parameter. Don't forget to click "Save".



## Step 11 SDI-12 Setup 5

After you configure the Sensors, you can set the logging and reporting intervals. The reporting interval is how often the logger sends the data to the cloud-based Stevens-Connect. If you don't have a cellular option, reporting is disabled. The logging and reporting intervals are the same for all sensors connected to the logger.



## Step 12 SDI-12 Setup 6

You can click "Current Readings" to take a reading of all configured sensors on demand. This is a convenient feature for testing sensors or seeing real time data in the field.



## Step 13 Download Data

Click “Download Data” to download logged data. You can select the date range of the total logged date to be downloaded.



12:28

← SH\_CO\_09\_Keith

### Sensor Data

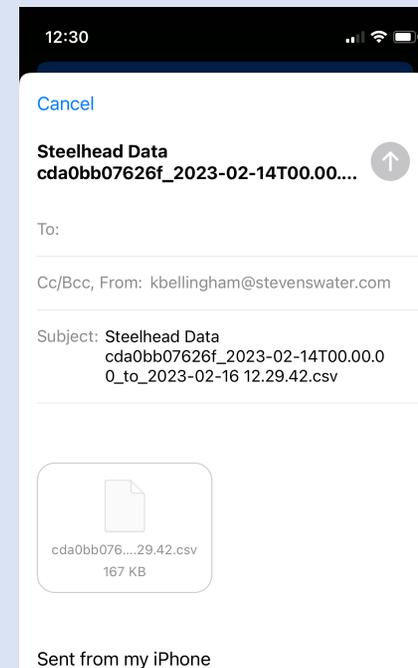
Start Date	Feb 14, 2023
Start Time	12:00 AM
End Date	Feb 16, 2023
End Time	11:59 PM

Total Count: 152  
Time to Transfer: 7sec

Get all readings in the date range

## Step 14 Download Data

After you select a date range, you can email a csv file to a destination email address. You will need to have the email setup on your mobile device and the app uses the default email address setup in the device.



12:30

Cancel

**Steelhead Data**  
cda0bb07626f\_2023-02-14T00.00... ↑

To:

Cc/Bcc, From: kbellingham@stevenswater.com

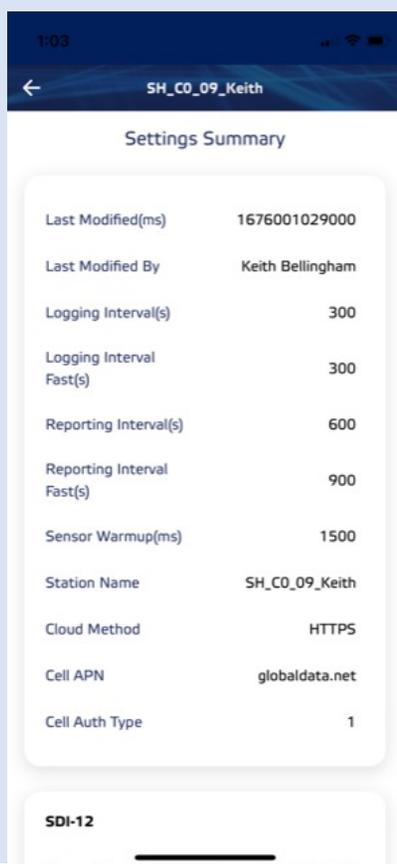
Subject: Steelhead Data  
cda0bb07626f\_2023-02-14T00.00.0  
0\_to\_2023-02-16 12.29.42.csv

cda0bb076...29.42.csv  
167 KB

Sent from my iPhone

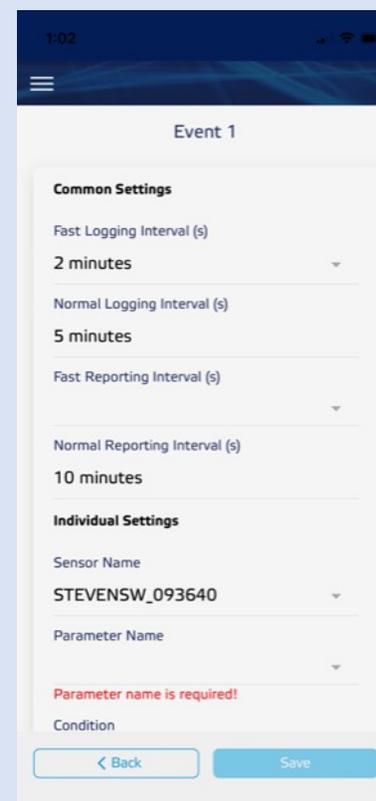
## Step 15

The Summary page give you a description of the configuration on the logger.



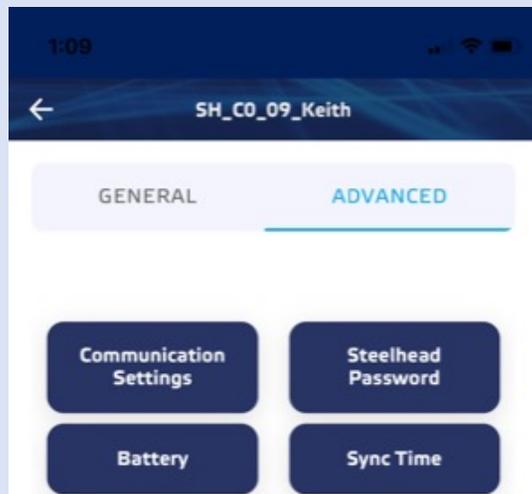
## Step 16

With the Events feature, you can change the logging and/or reporting interval based on an event such as a parameter value reaching a defined threshold.



## Step 17

The Advanced tab give you access to some advanced features such as syncing the logger's clock with your mobile device (for loggers without a cellular option) and setting up an optional password for the logger.



## Step 18

Swiping to the left gives you a second menu with a few more advanced screens.

