

The logo for HydroMet, featuring a white diagonal slash followed by the text "HydroMet" in a bold, white, sans-serif font.

**/ HydroMet**

User Manual

# HyQual - User Interface App

The KISTERS logo, consisting of a stylized white 'K' symbol followed by the word "KISTERS" in a bold, white, sans-serif font. Below the logo is the tagline "Empowering decisions of tomorrow" in a smaller, white, sans-serif font.

**KISTERS**  
Empowering decisions of tomorrow

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# I Disclaimer

The information provided in this manual was deemed accurate as of the publication date. However, updates to this information may have occurred.

This manual does not include all of the details of design, production, or variation of the equipment nor does it cover every possible situation which may arise during installation, operation or maintenance. KISTERS shall not be liable for any incidental, indirect, special or consequential damages whatsoever arising out of or related to this documentation and the information contained in it, even if KISTERS has been advised of the possibility of such damages.

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# 1 Introduction

The User Interface App (mobile) operates the KISTERS family of multiprobes (HyQual 200, HyQual 300 and HyQual 300 T). The app lets you capture instant or continuous data, configure sensors and parameters, manage logged data, calibrate sensors, organise GPS functions such as Geofencing, email data files, and much more.

The User Interface App works with HyQual's Bluetooth® wireless technology Battery Pack, which is a rechargeable, lithium battery with a built-in, Bluetooth® wireless technology transceiver. The battery powers the multi-probe, while the Bluetooth® wireless technology enables the communication to your phone or tablet.



## 1.1 Types of Data Display Devices

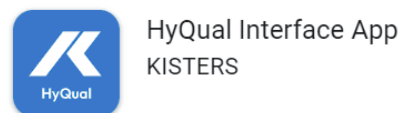
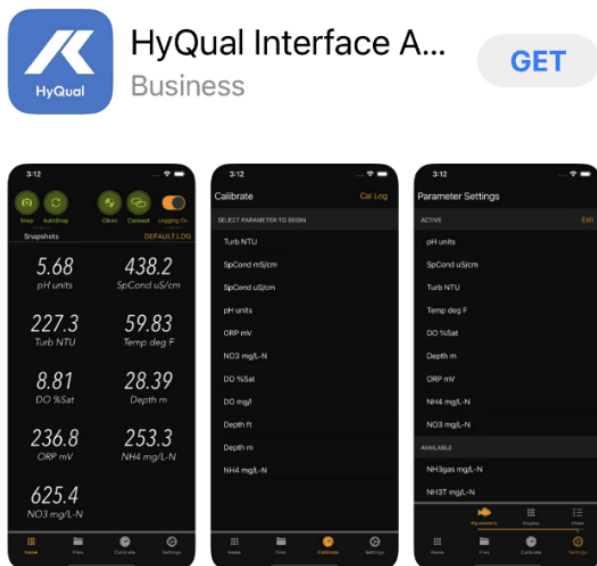
The Bluetooth® wireless technology Battery Pack works with different types of Android smartphones, tablets, and similar devices - many of which have different screen sizes and shapes. The screen illustrations in this manual are examples to help you understand how everything works - your specific screens will likely be slightly different, and might vary depending on whether you have rotated your device's screen. This manual does not show every one of the scores of different screens that might pop up in The User Interface App unless their meaning is not intuitive.

Keep in mind that the simplicity of The User Interface App means you can explore all the menus and screens on your device in just a few minutes.

## 1.2 Where to get the User Interface App

You can find the User Interface App in the Google Play Store and the Apple App Store.

Look for **HyQual Interface App**, and download it to your display device just as you would download any other app.



## 2 Connecting the Display Device to a Multiprobe

Connect the top connector (9-pin) of your multiprobe's underwater cable (or data cable) to the Bluetooth® wireless technology Battery Pack and connect the lower connector (6-pin) of the cable to your multiprobe.

When you press the Bluetooth® wireless technology Battery Pack's power button, the button's indicator light will flash blue, and the five, green fuel gauge (battery-charge status indicator) lights will show the charge level of the Bluetooth® wireless technology Battery Pack's battery (five green LEDs indicate a full charge; one red LED indicates discharge). If the fuel gauge shows insufficient charge, disconnect the multiprobe and connect the Bluetooth® wireless technology Battery Pack charger to the Bluetooth® wireless technology Battery Pack's 9-pin connector.

Launch the User Interface App by tapping the app's icon on your device screen. When the app launches, you will see the spinning icon that tells you that something is happening, and the brief message "Auto Connecting ...". That means The User Interface App is listening for any Bluetooth® wireless technology Battery Pack available (i.e., that are turned on, have ample power, and are within Bluetooth® wireless technology range). If it finds the Bluetooth® wireless technology Battery Pack that was most recently connected to your device, it will automatically connect to that Bluetooth® wireless technology Battery Pack.

Once a Bluetooth® wireless technology Battery Pack is connected to a device, i.e., has established a Bluetooth® wireless technology connection, the Bluetooth® wireless technology Battery Pack's blue light will turn from blinking to solid.

If there is a multiprobe connected to that Bluetooth® wireless technology Battery Pack, you will see its scrolling data. If the Bluetooth® wireless technology Battery Pack device does not automatically connect to a Bluetooth® wireless technology Battery Pack, or if you don't want to communicate to the connected Bluetooth® wireless technology Battery Pack, tap the Connect button at the screen's top centre and select the one you want to connect to (the serial numbers of the multiprobes found by The User Interface App are shown).

Should the Bluetooth® wireless technology Battery Pack move out of your device's Bluetooth® wireless technology range, data will stop scrolling and the Connect button will appear. Move the Bluetooth® wireless technology Battery Pack and your device closer together, tap Connect, and choose the desired Bluetooth® wireless technology Battery Pack to re-establish the connection.

### 3 Home Screen

The Home Screen (Figure 1) is the screen that appears on your device when it connects to a Bluetooth® wireless technology Battery Pack. At the top of the Home Screen are the five “hot buttons”: Snap, AutoSnap, Clean, Connect, and Logging On/Off. If the Bluetooth® wireless technology Battery Pack is connected to a multiprobe, you will see that multiprobe’s rolling data as they are updated by the connected multiprobe.

At the bottom of the screen are the four “menu buttons”: Home, Files, Calibrate, and Settings. Tap one of these to see its first screen.

This chapter contains the following subsection:








- [Snap](#) 
- [AutoSnap](#) 
- [Clean](#) 
- [Connect](#) 
- [Logging On/Off](#) 
- [Rolling Data](#) 
- [Files](#) 



Figure 1 - Home Screen

### 3.1 Snap

“Snap” is short for Snapshot, which is one line of data (date, time, parameter readings) that is logged into your display device’s Snapshot file. Snapshot is useful when you want to save a single line of data, while profiling a lake, collecting data site to site, running a lab experiment, etc.

Tap Snap, and then Save (Figure 2), to record the most recent line of data. This data is recorded to the active Snap file (name appears at the top of the screen). If you wish to tag a note (annotation) to a line of data, type that note with the keyboard (which appears automatically) and then tap Save.

To learn more about snapshot files, see the [Snapshot File](#) chapter.

You can remember multiprobe data three ways. First, it can log data into the Snapshot file with the Snap or AutoSnap feature – that data resides in your display device, not in the multiprobe. Second, if it has a power source, the multiprobe can autonomously log data into a file in its internal memory – that data resides in the multiprobe. Third, your multiprobe can be connected to third-party devices, such as dataloggers, and programmed to store data in that datalogger.

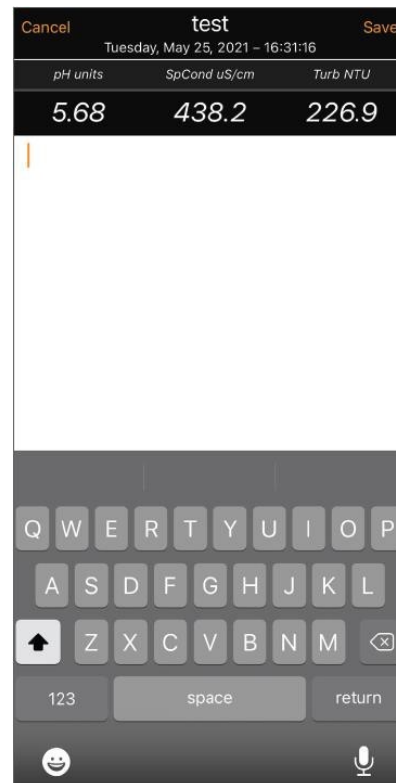


Figure 2 - Snap

### 3.2 AutoSnap

“AutoSnap” is simply the Snap feature that has been automated. AutoSnap is useful when you want to automatically record data for short periods when you have something else to do.

Tap AutoSnap (Figure 3) to start recording lines of data; you’ll see the little rotating arrows that indicate that AutoSnap is running. You’ll also see how many Snapshots (lines of data) have been recorded in your display device since you taped AutoSnap. Tap AutoSnap again to cease recording.

Refer to the [Parameters](#) chapter to learn how to change the AutoSnap interval (time between readings).

To learn more about snapshot files, see the [Snapshot File](#) chapter.

Refer to the [Display](#), [Other](#) and [Probe time](#) chapters, if you want to change this interval. **Note** that this is the same interval between lines of rolling data. The default interval between lines of data is one second.

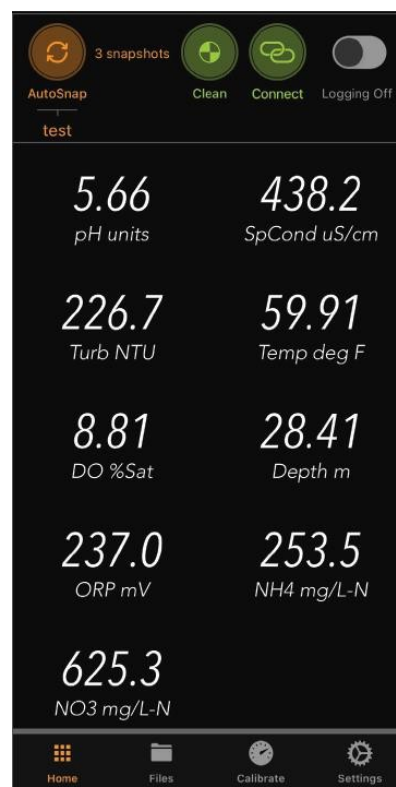


Figure 3 - AutoSnap

### 3.3 Clean

Many KISTERS multiprobes have a cleaning brush (a turbidity sensor with a wiper and an extended brush, or a MiniCleaner).

Normally, the brush only activates when the multiprobe is first powered up, and only runs one cleaning cycle. If you wish to run a cleaning cycle at any other time, tap the Clean button to tell the brush to perform one cleaning cycle (Figure 4).

This feature is often used just before calibrating sensors, or when the multiprobe is logging with continuous power (i.e., the multiprobe never powers down).

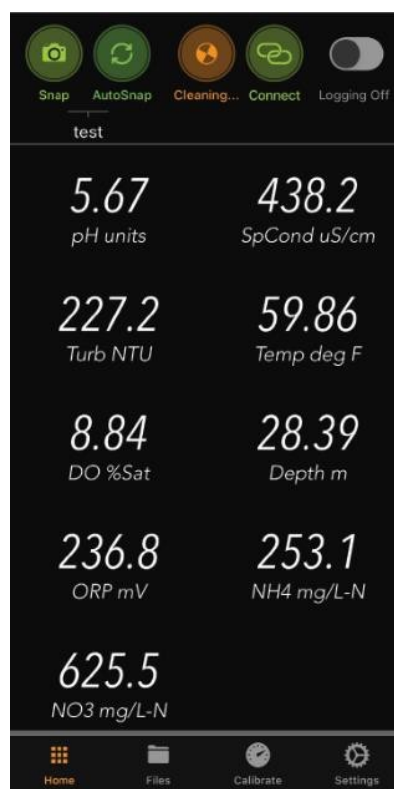


Figure 4 - Clean

### 3.4 Connect

Please refer to the [Connecting the Display Device to a Multiprobe](#) chapter. See Figure 5.

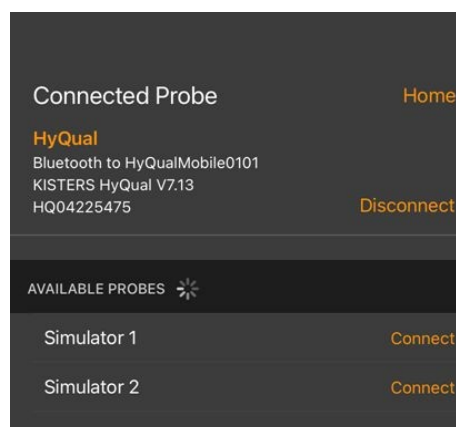


Figure 5 - Connect

### 3.5 Logging On/Off

Tap the Logging button at the top-right corner of the screen to change from On to Off or Off to On.

When first toggled to On, the Logging Interval screen appears (Figure 6) to let you set data logging interval (how often you want the multiprobe to automatically log data). Swipe up or down on the hours and minutes buttons to set the desired interval, and tap Done to return to the Home Screen.

Just below the Logging button you will see the name of the file where your data is logged in Figure 6 the multiprobe's memory (Figure 7). If you have not yet created your own logging files, you will see `DEFAULT.LOG`. Multiple files may be created in a multiprobe.

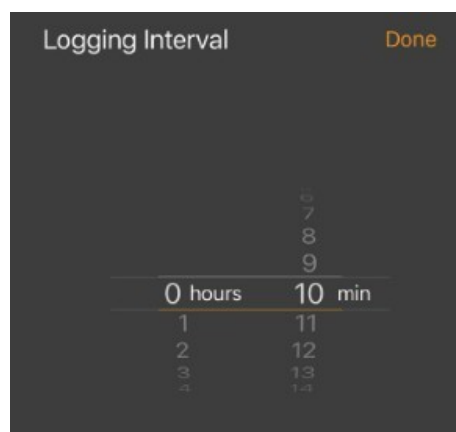


Figure 6 - Logging Interval

Please refer to the [Log](#) chapter to learn more about logging.

If you intend to deploy the multiprobe for unattended logging, Logging must be turned “On” prior to exiting the User Interface App program - otherwise no data will be collected. When you get to the field to deploy the multiprobe for a logging run, the red LED inside the multiprobe will blink once upon power-up to tell you that Logging is On.

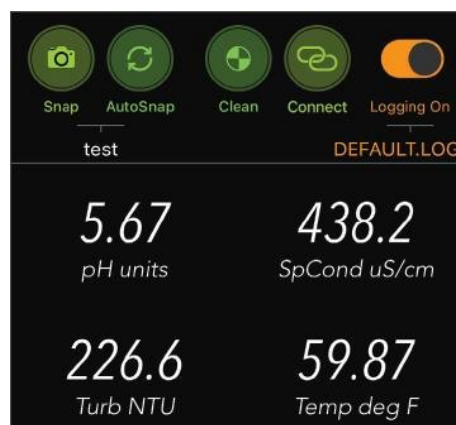


Figure 7

### 3.6 Rolling Data

The data from the connected multiprobe scrolls in the middle of the Home Screen (Figure 8). Please refer to the [Display](#) chapter to learn how to change the scrolling interval (time between readings).

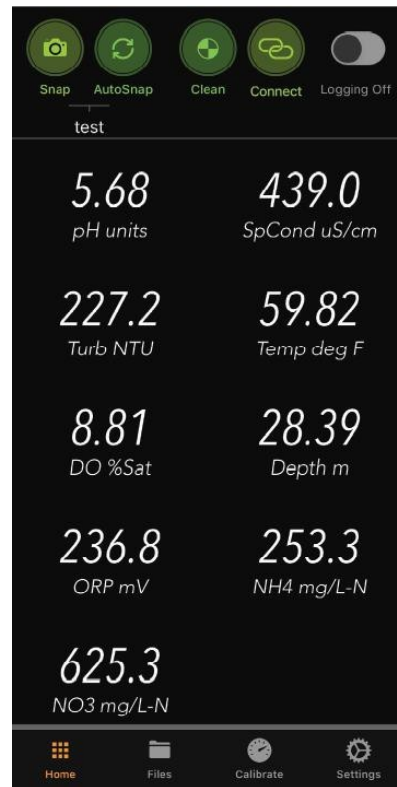


Figure 8 - Rolling Data

### 3.7 Files

When you tap the Files button, two new buttons, Snapshot and Log (camera and fish) appear just above the Files button. Tap Snapshot for the Snapshot Files screen; tap Log for the Log Files screen (Figure 9).

A file is either “Active” or “Available”. An Active file is the file you are using for logging, exporting, etc.; only one file at a time can be Active. An Available file is inactive but can be made the Active file by tapping Change and tapping the Available file that you want to make your Active file (Figure 9).

**Note:** Snapshot files are stored in your display device’s memory, while Log files are stored in the multiprobe’s memory.

This chapter contains the following subsection:

- [Snapshot File](#)
- [Exporting Snapshot Files and Log Files](#)
- [Log](#)

### 3.7.1 Snapshot File

The User Interface App lets you select and record data - Snapshots - in your device either manually (one-by-one) or automatically. Snapshot files reside in the device's memory. They can be found by tapping the Snapshot button after tapping the Files button at the bottom of most screens.

When you tap the Snapshot button - in the Files menu at bottom of the screen) - the Snapshot screen shows you the active Snapshot file (that's the file where Snapshot and AutoSnap data are sent) and any other files that you have used as Snapshot files and haven't deleted. You can change the active Snapshot file to one of the other files on the list by tapping the Change button and then tapping the file you wish to become the active Snapshot file (Figure 9).

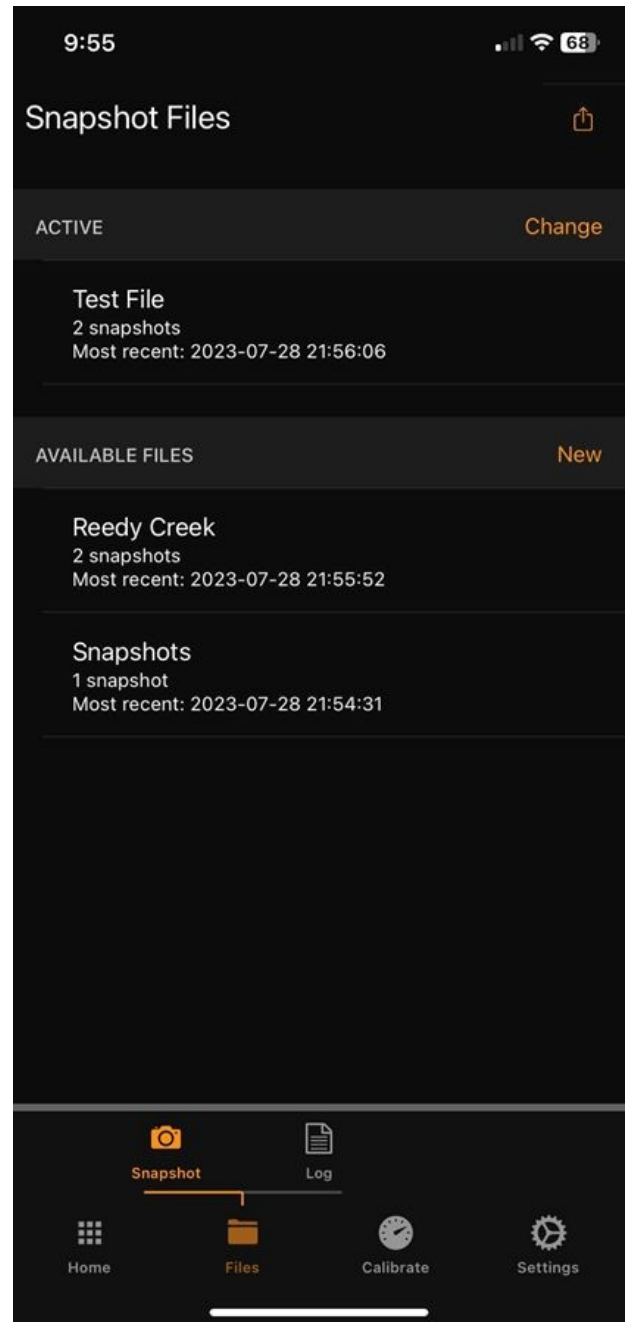
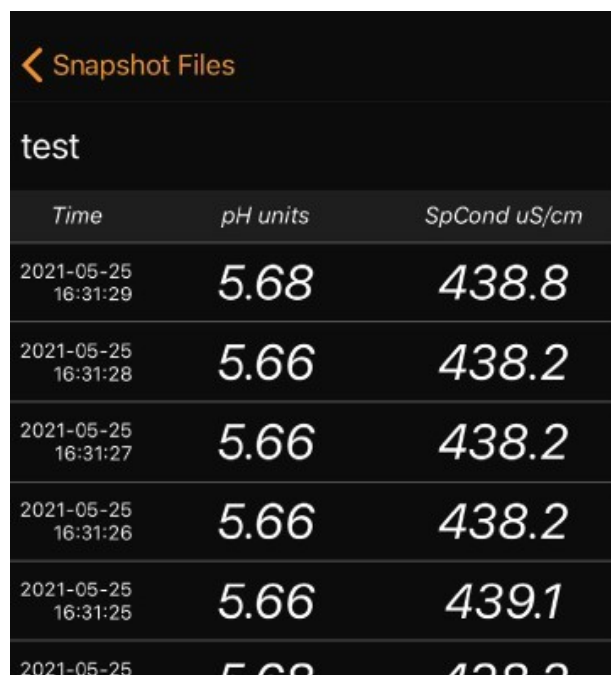


Figure 9

If you wish to see the contents of a file, tap the name of that file (Figure 10). You will see the file's data, tagged with Time and Date. Use your finger to slide the screen left/right or up/down to view more data.



The screenshot shows a mobile application interface for 'Snapshot Files'. At the top, there is a back arrow and the title 'Snapshot Files'. Below the title, the file name 'test' is displayed. A table follows, with three columns: 'Time', 'pH units', and 'SpCond uS/cm'. The table contains six rows of data, with the last row partially cut off at the bottom.

Time	pH units	SpCond uS/cm
2021-05-25 16:31:29	5.68	438.8
2021-05-25 16:31:28	5.66	438.2
2021-05-25 16:31:27	5.66	438.2
2021-05-25 16:31:26	5.66	438.2
2021-05-25 16:31:25	5.66	439.1
2021-05-25	5.68	438.2

Figure 10

To clear or delete a file, swipe the file name to the right to see the Clear and Delete buttons. Clearing a file erases the data in a file, but keeps the file for future use (Figure 10). Deleting a file erases the data in the file without keeping the file for future use (Figure 11).

To export a file(s), tap the Share button at the upper-right of the Snapshot File screen. Please refer to the [Exporting Snapshot Files and Log Files](#) chapter for information on transferring and emailing data.



Figure 11

If you wish to create a new Snapshot file, go to the Snapshot Files screen, tap New, and type in the name of the new file (Figure 13). Tap Save to go back to the Snapshot Files screen, where you will see the name of your new file in the list of Available Files.

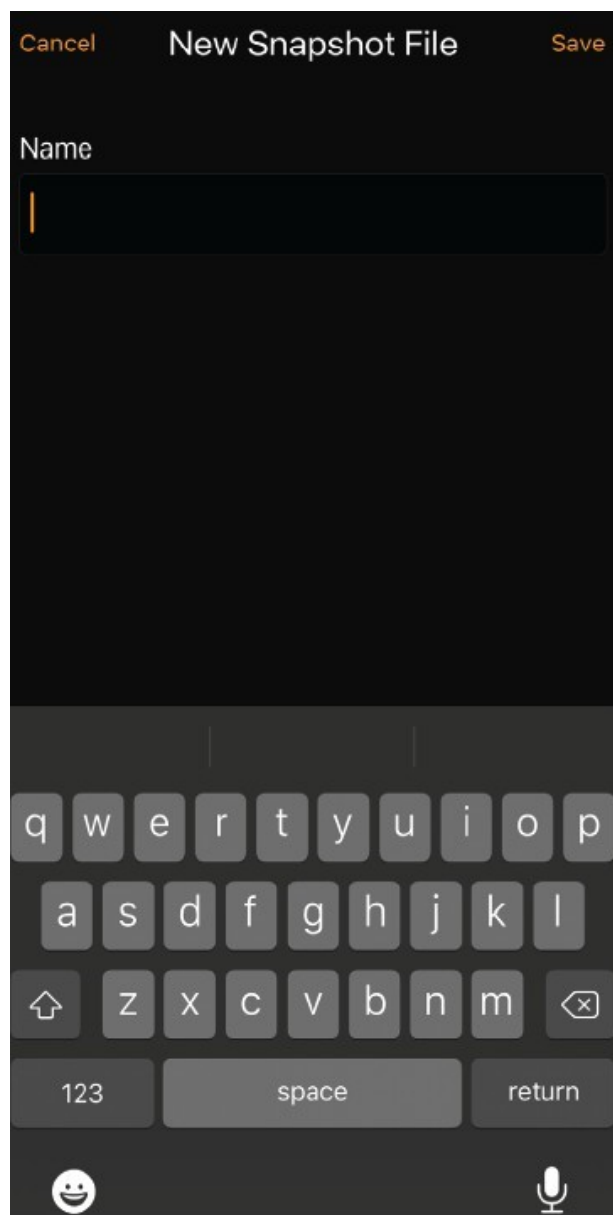


Figure 12

Use the Change button to select the new file as the active file if desired (Figure 14).

Before creating a new Snapshot file, always make sure that the parameters you need to record are Active and that they are in the desired order (see [Parameters](#) <sup>33</sup>). If you make changes to Active parameters, create a new Snapshot file.

You could have a folder named for each monitoring site regularly visited.

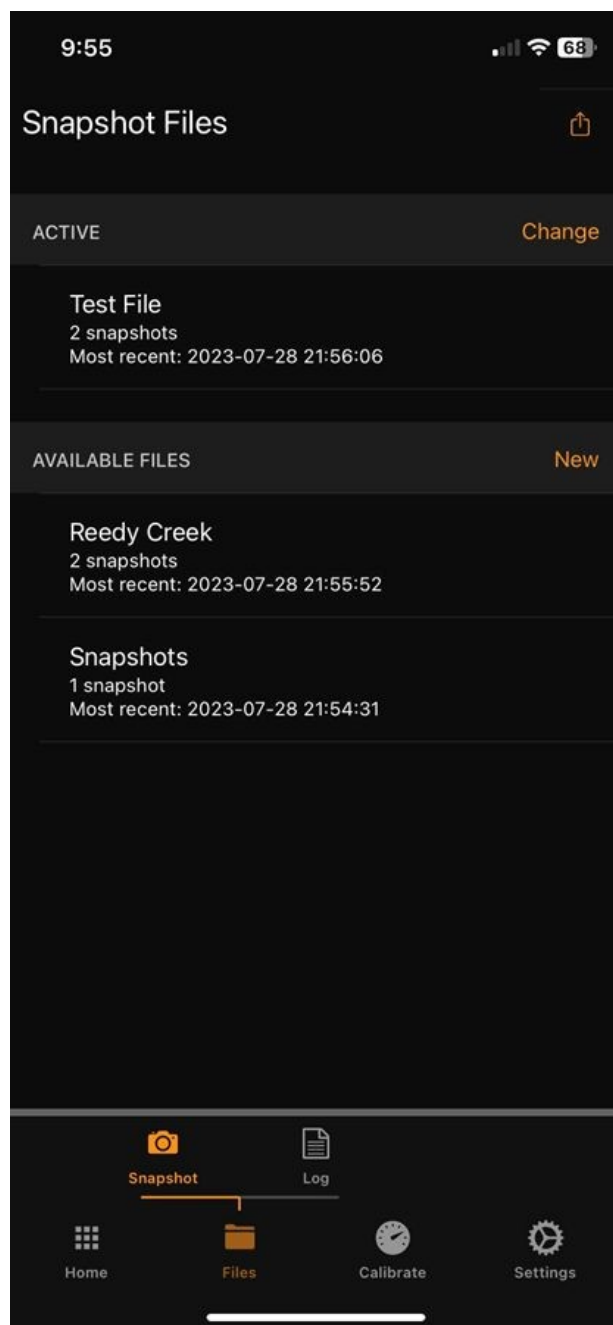


Figure 13

There are two ways to Clear or Delete a file. You can swipe to the right the file name, and tap Clear or Delete. If you want to Clear or Delete multiple files quickly, tap the Share button at the upper right and, on the following screen, select tall the files to be cleared or deleted by tapping the file name. time.

**Note:** Once data is cleared or deleted, it is not recoverable. The Active file may be cleared, but not deleted.

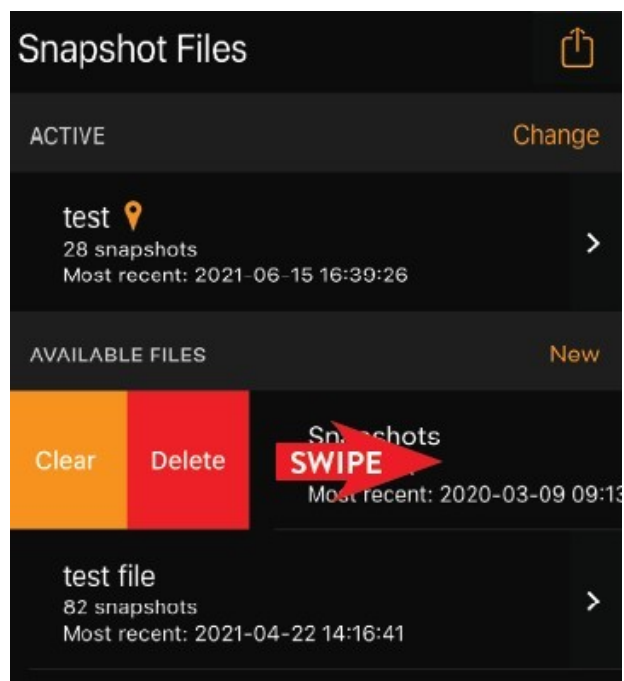


Figure 14

### 3.7.2 Exporting Snapshot Files and Log Files

When you tap the Share button in the upper-right corner (Figure 15) of the Snapshot Files or the Log Files screen, the resulting screen shows you the files that are available for export.

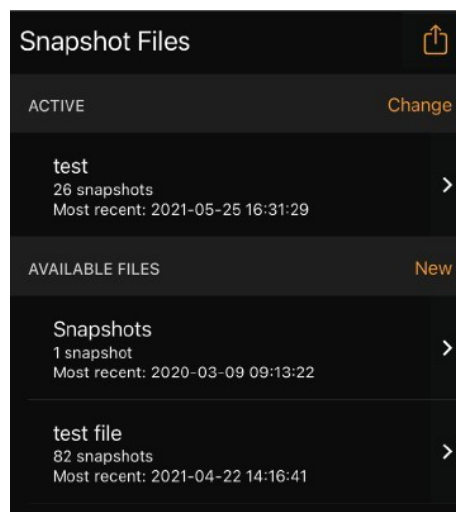


Figure 15

You can “export” Snapshot files and Log files two ways (Figure 16). The first is sending the file to your device’s file system so it can later be transferred from your device’s file system (usually via a USB cable) to a laptop or desktop computer.

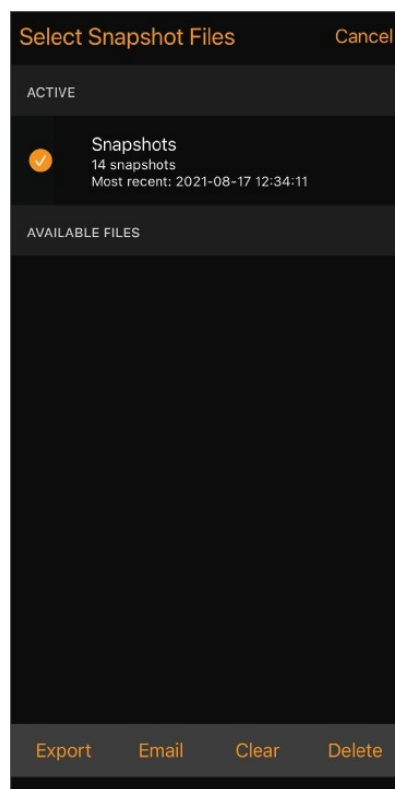


Figure 16

The second is emailing the selected file(s) to one or more recipients (Figure 17).

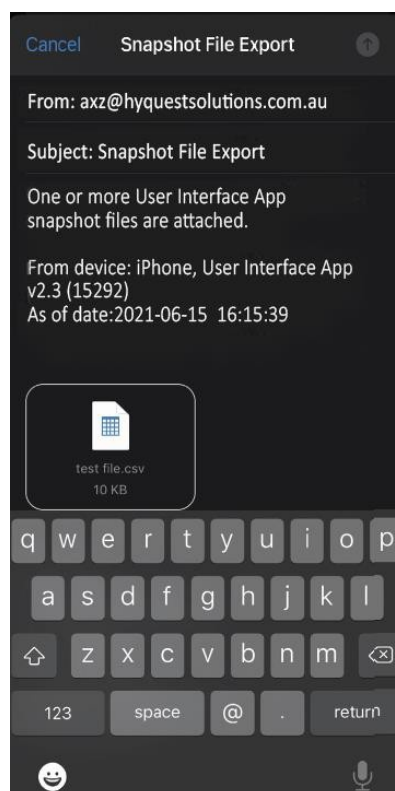


Figure 17

### 3.7.3 Log

The User Interface App lets you program a multiprobe to log data autonomously if powered by a battery pack or connected via cable to an external power source. Log files initially reside in the multiprobe's memory, but can be uploaded to your device's memory. They can be found by tapping the Log button after tapping the Files button at the bottom of most screens.

Log File control functions are similar to those for Snapshot files except that Log files must first be downloaded from the multiprobe to your display device before they can be viewed, exported, or emailed.

When you tap the Log button in the Files menu (at bottom of the screen), the Log screen shows you the Active, Available and Downloaded Log files.

The Active file is the file currently set to store logged data inside the connected multiprobe's memory. Available files are other log files stored in the connected multiprobe, and Downloaded files are those that have been downloaded to your display device from any multiprobe (Figure 18 & 19). Each Downloaded file name includes the serial number of the multiprobe that was the source of the file.

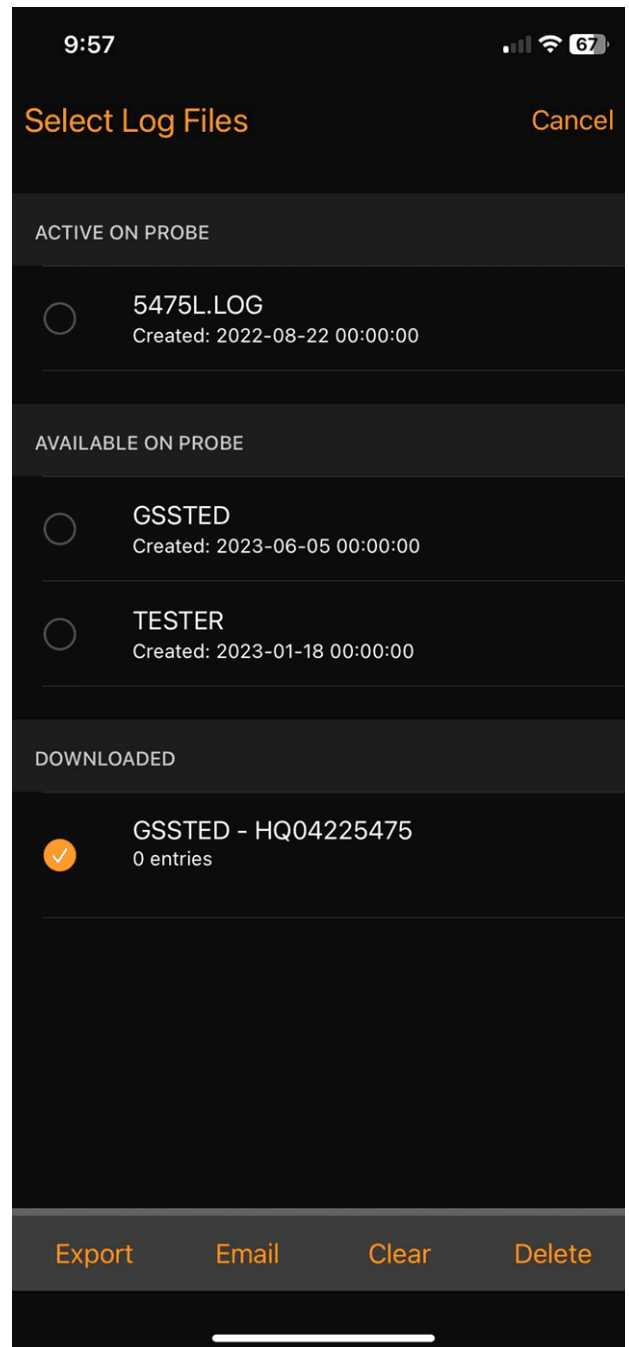


Figure 18

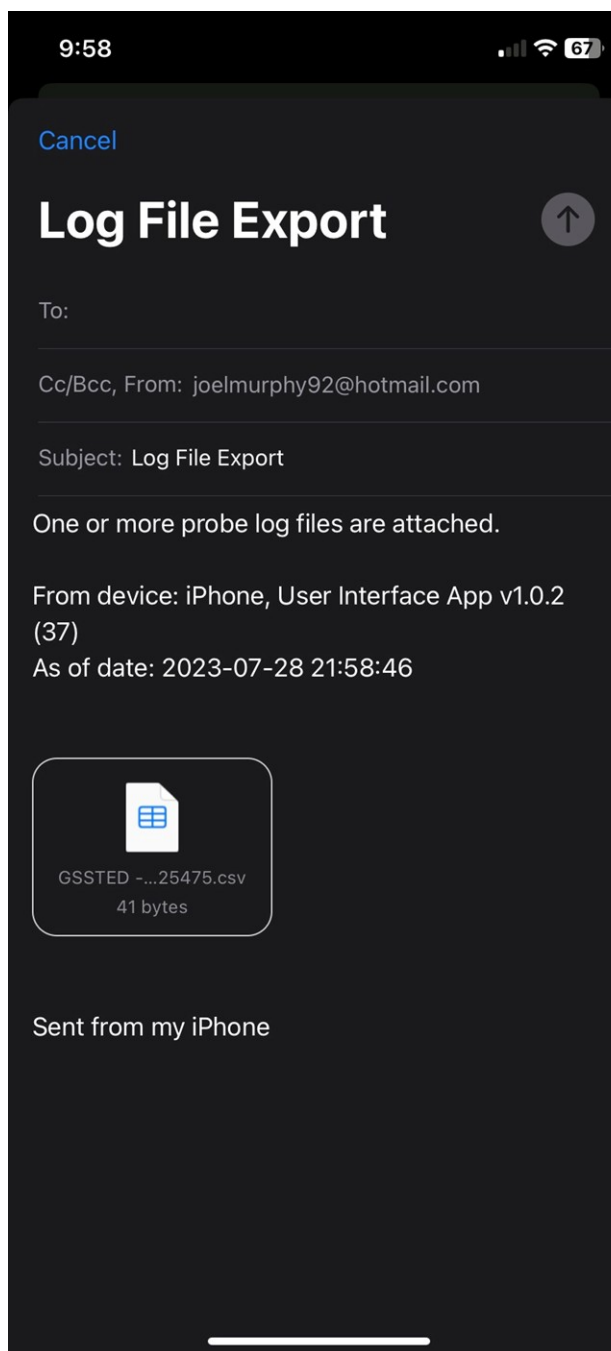


Figure 19

Tap the download icon next to the Active file or any of the Available files to download that log file to your device (Figure 20). It will then appear in the Downloaded file list. Tap any of the Downloaded Log files to see the scrollable contents of that file.

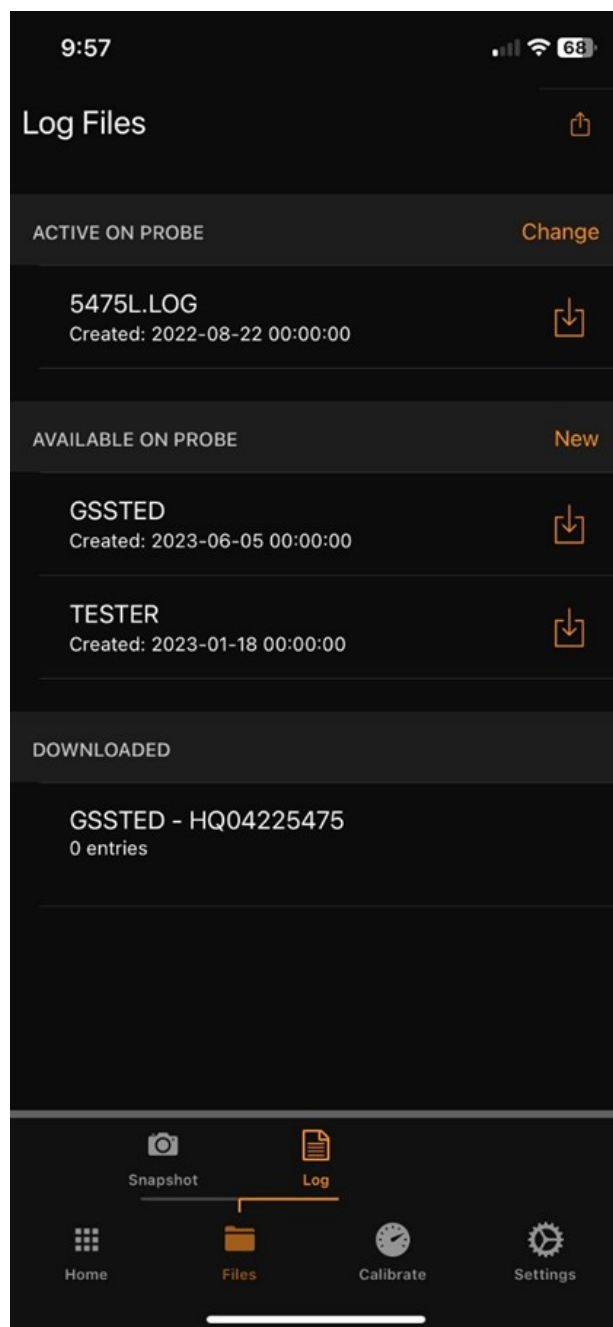


Figure 20

You can change the active Log file to one of the other files on the list by tapping the Change button (Figure 21) and then tapping the file you wish to become the active Log file.

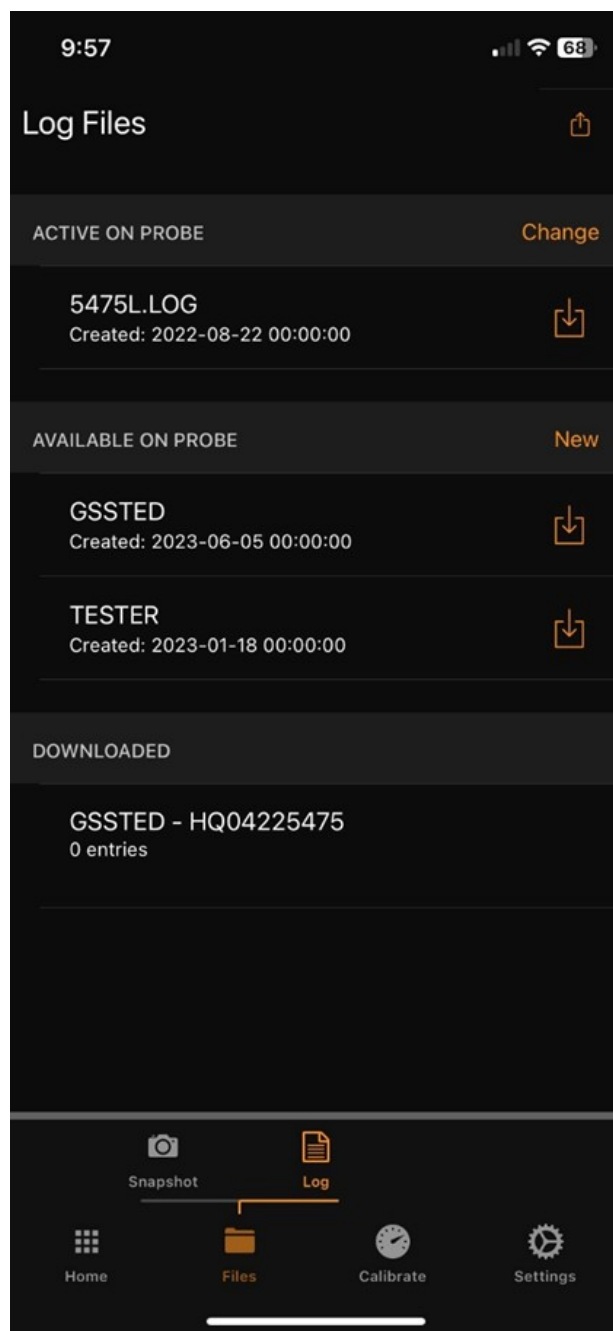


Figure 21

If you wish to see the contents of a file, tap the name of that file. You will see the file's data, tagged with Time and Date (Figure 22). Use your finger to slide the screen left/right or up/down to view more data.

<i>Time</i>	<i>pH units</i>	<i>ADO %Sat</i>
2023-07-28 22:24:00	7.10	95.7
2023-07-28 22:23:00	7.10	95.9
2023-07-28 22:22:00	7.10	95.9
2023-07-28 22:21:00	7.10	95.9
2023-07-28 22:20:00	7.10	95.8
2023-07-28 22:19:00	7.10	95.7
2023-07-28 22:18:00	7.10	96.3
2023-07-28 22:17:00	7.10	96.0
2023-07-28 22:16:00	7.10	95.8
2023-07-28 22:15:00	7.10	96.2
2023-06-05 13:22:00	7.64	100.2

Figure 22

To clear or delete a file, swipe the file name to see the Clear and Delete buttons (Figure 23 & 24).

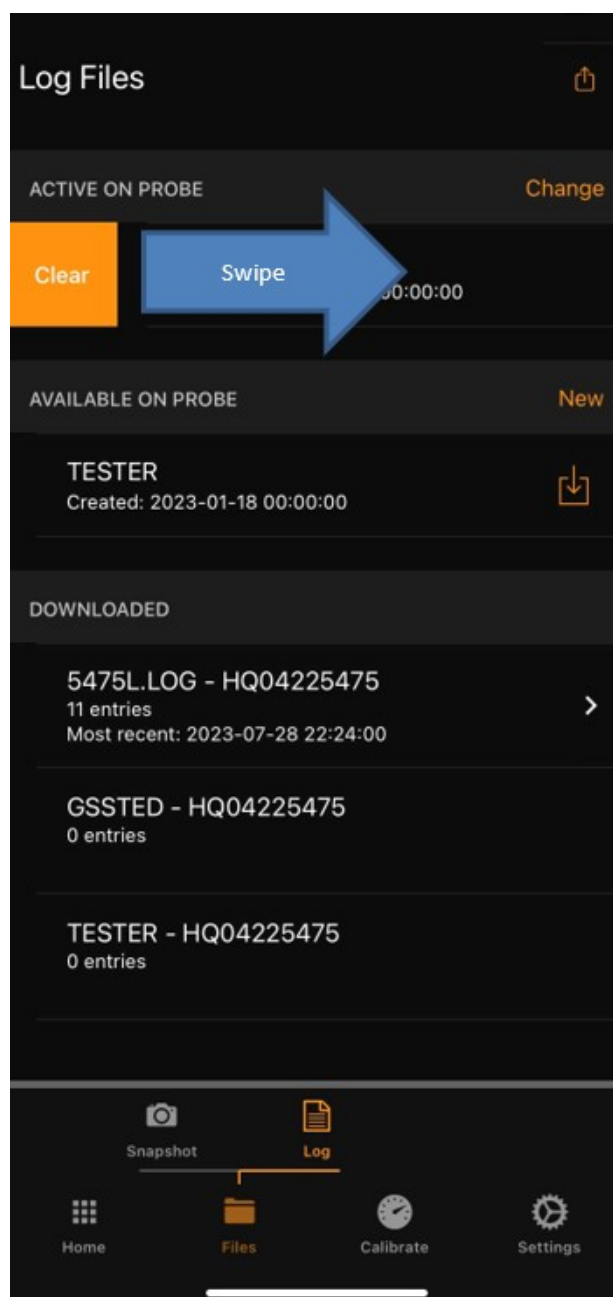


Figure 23

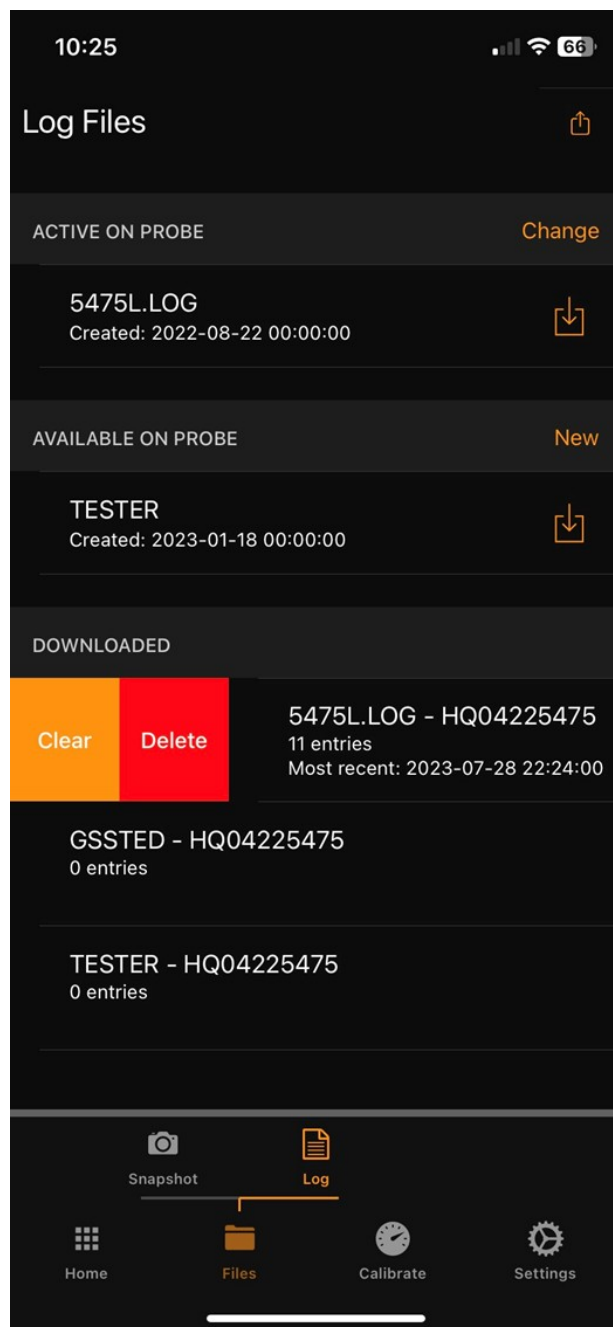


Figure 24

Clearing a file erases the data in a file, but keeps the file for future use. Deleting a file erases the data in the file without keeping the file for future use (Figure 25).

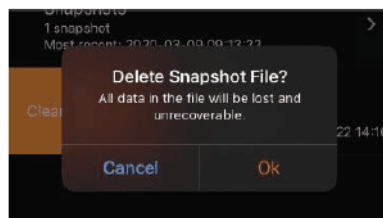


Figure 25

To export a file(s), tap the Share button at the upper-right of the Log File screen (Figure 26, 27 & 28). Refer to the [Exporting Snapshot Files and Log Files](#) chapter for information on transferring and emailing data.

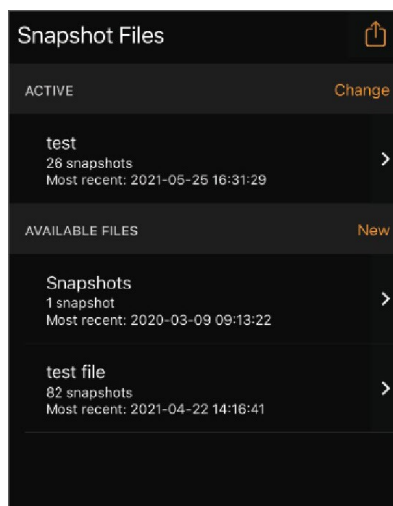


Figure 26

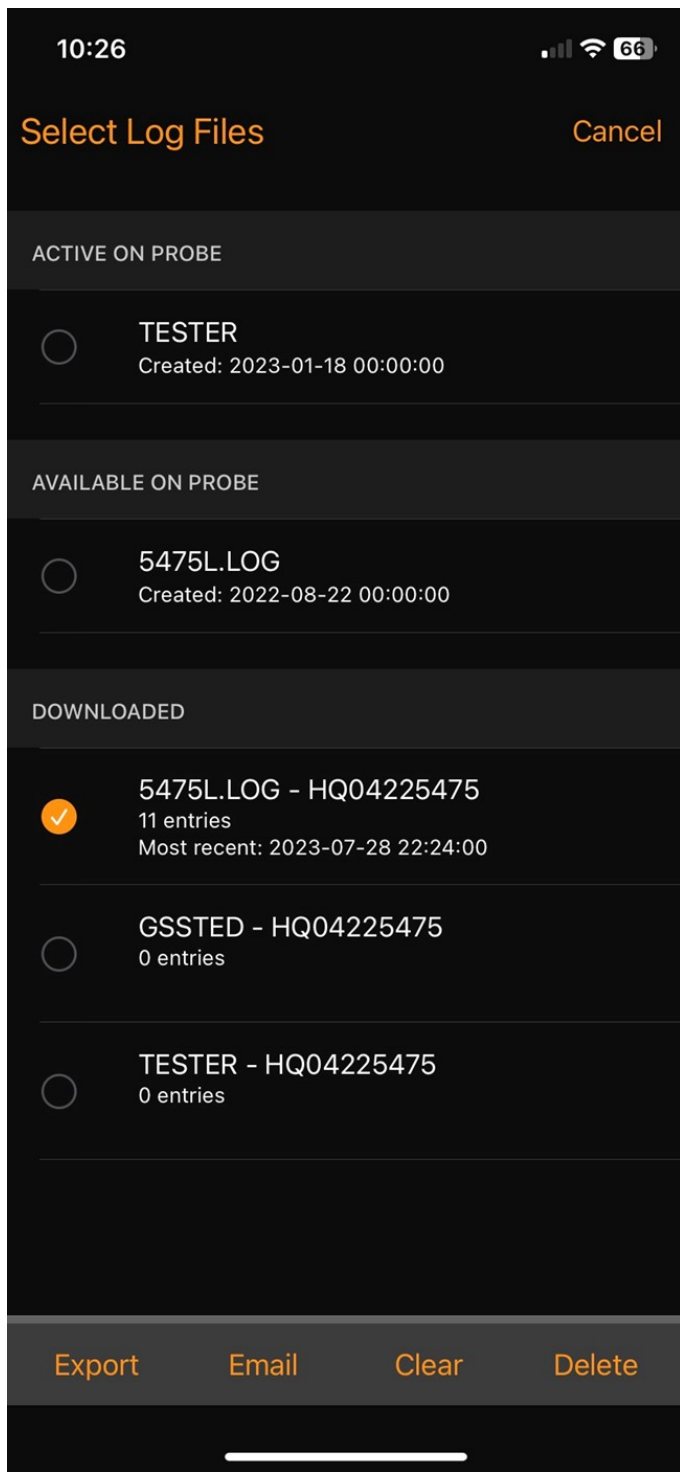


Figure 27

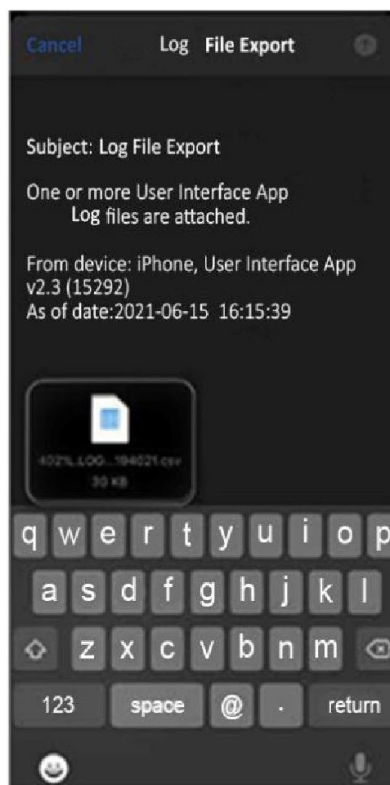


Figure 28

If you wish to create a new Log file, go to the Log Files screen (Figure 29), tap New, and type in the name of the new file. Tap Save to go back to the Log Files screen; you'll see the name of your new file in the list of Available Files. Use the Change button to select the new file as the active file if desired.

Log File control functions are similar to those for Snapshot files. The difference is that Log files must first be downloaded from the multiprobe to your device, before exporting or emailing.

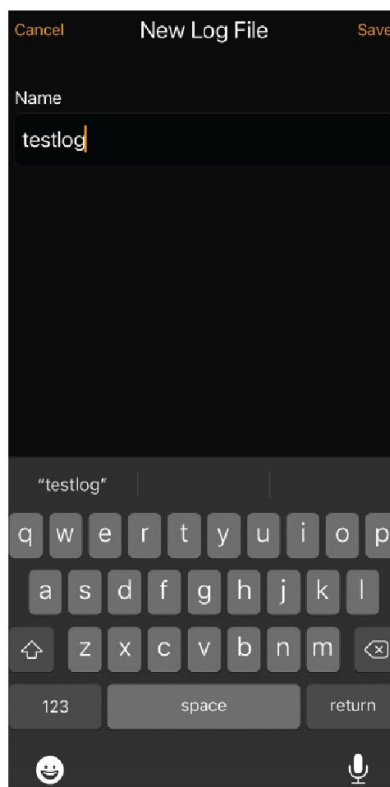


Figure 29

## 4 Calibrate

Tap Calibrate to see the list of calibratable parameters for the connected multiprobe (Figure 30).

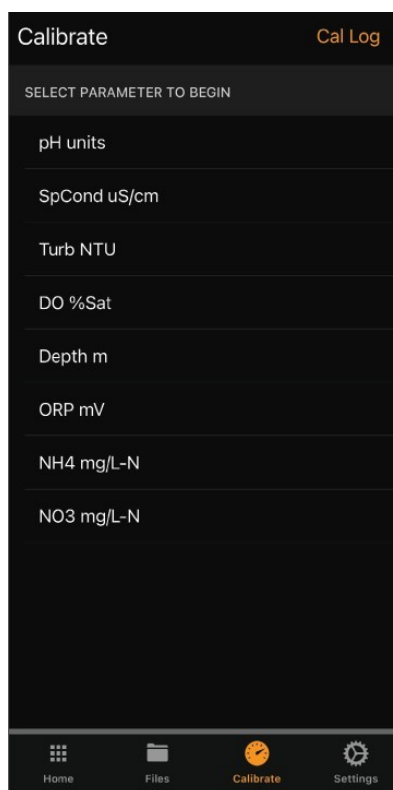


Figure 30

Because the calibration screens are quite repetitive, only the calibration routine for SpCond is shown here. The sequence begins by tapping Calibrate, and then SpCond (Figure 31).

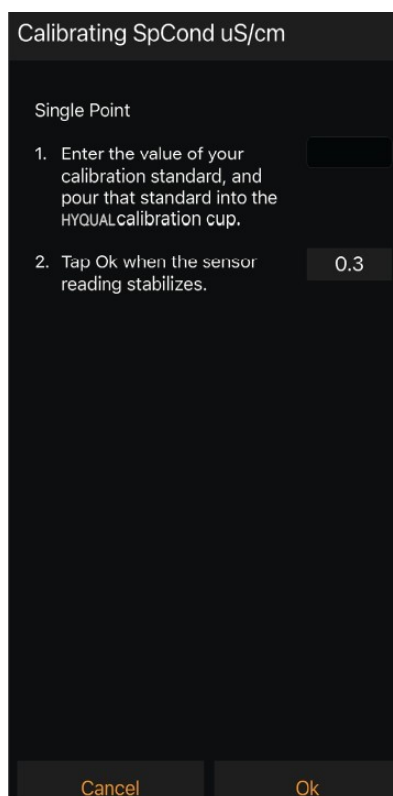


Figure 31

Tap the blank, white space to produce the keyboard (Figure 32), and type in the value of your calibration solution.

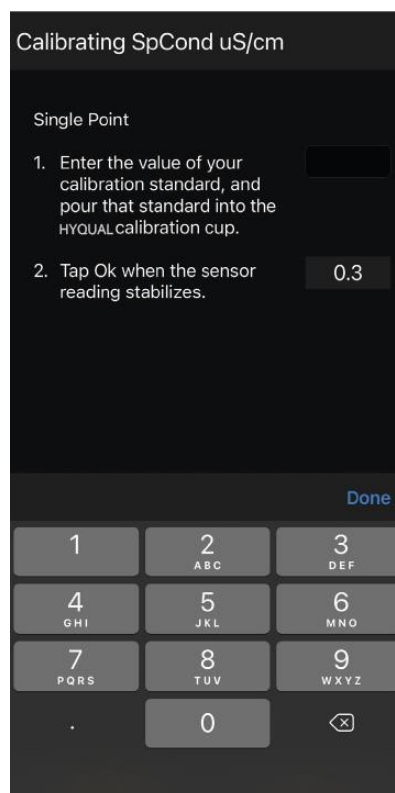


Figure 32

Hit OK when the reading is stable to produce the SRF screen (Figure 33); follow the instructions to accept, or cancel, this calibration.

For complete instructions and calibration tips for the HyQual product line, please consult the HyQual user manual on the website, find it on the downloads tab.

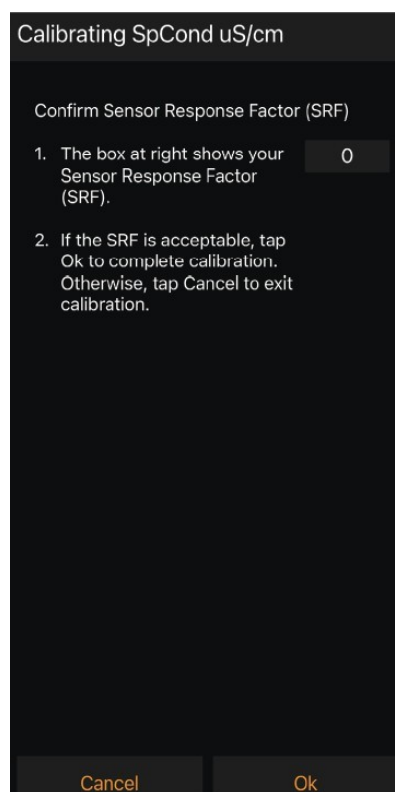


Figure 33

## 4.1 Cal Log

From the Calibrate screen, tap Cal Log (Figure 34) to produce the Calibration Logs screen, where you see a list of Cal Logs stored in your device for the connected multiprobe and any Cal Log that has been downloaded from other multiprobes to the memory in your display device.

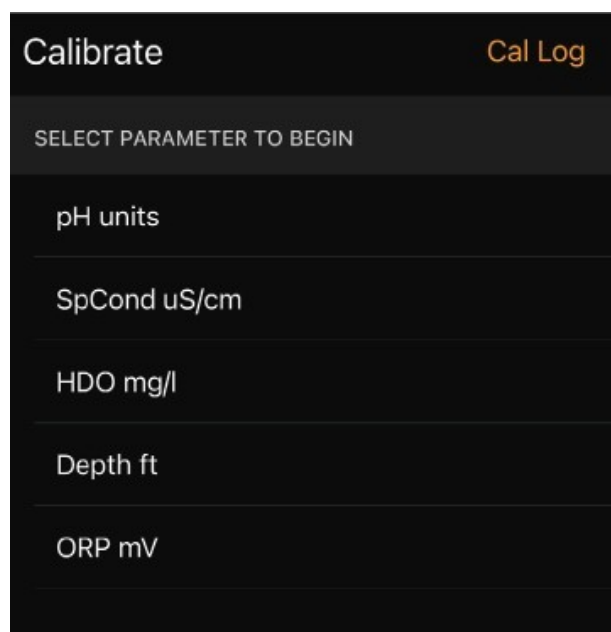


Figure 34

From there you can download the Cal Log from a connected multiprobe by tapping the download icon adjacent that file name. And you can see the contents of the already-downloaded Cal Log by tapping the adjacent arrow (Figure 35).

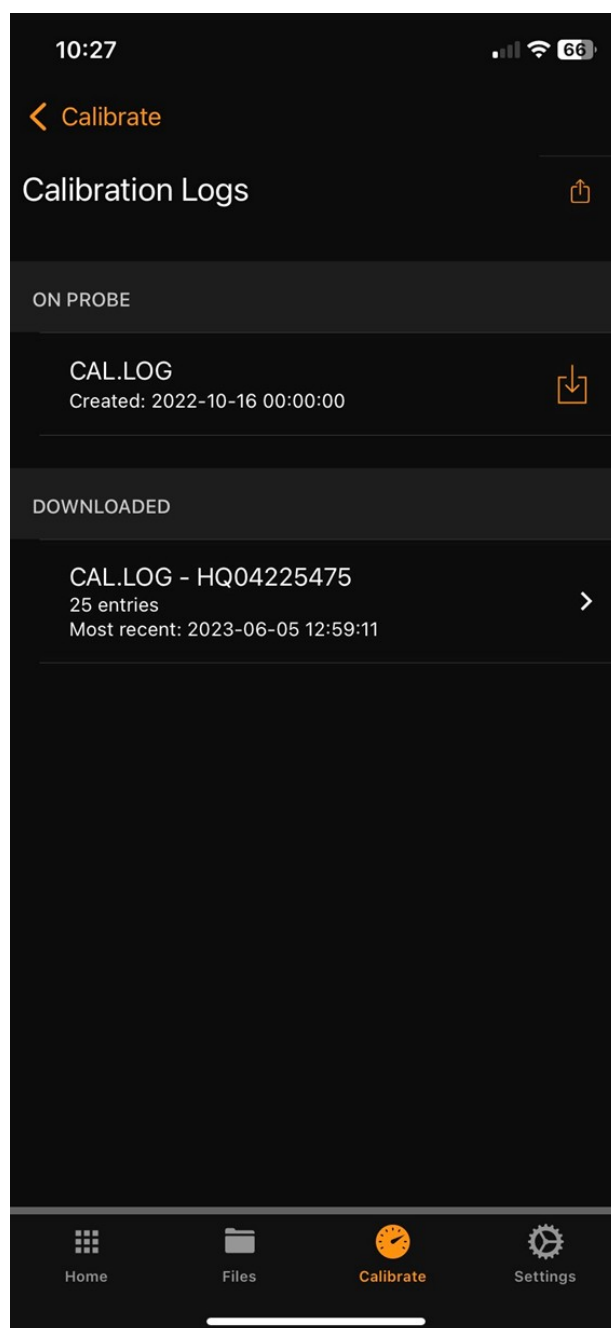


Figure 35

If you tap the Share button in the upper right You may Share/Export any downloaded Cal Logs the same way you do Snapshot and Log files. Note that the Serial Number of the probe is the Cal Log name (Figure 36).

The Cal Log is a running record of all sensor calibrations, stored in the memory of every Multiprobe. It cannot be altered or erased.



Calibration Logs		
CAL.LOG - MT03172675		
Time	Sensor	Serial#
2020-07-10 11:12:04	TURB	00000000
2020-07-10 11:10:07	DPTH	07151309
2020-07-10 09:21:16	DIGTURB	03172675
2020-07-10 09:20:11	DIGTURB	03172675
2020-07-10 09:18:39	HDO	03172675
2020-07-10 09:12:33	COND	03172675
2020-07-10 09:11:10	PH	03172675
2020-07-10 09:10:18	PH	03172675
2020-01-23 12:16:58	DIGTURB	03172675
2020-01-23 12:16:03	DIGTURB	03172675
2020-01-21 17:11:19	HDO	03172675
2020-01-21 17:06:58	COND	03172675

Figure 36

## 5 Settings

Access the various settings for your display device by tapping Settings at the bottom of the screen (most screens). This produces the three Settings submenus: Parameters, Display, and Other.

This chapter contains the following subsection:

- [Parameters](#) <sup>337</sup>
- [Display](#) <sup>351</sup>
- [Other](#) <sup>381</sup>

### 5.1 Parameters

The Parameter Settings screen shows all the parameters available in your multiprobe, divided into Active parameters and Available (but not Active) parameters. Only Active parameters are displayed in the rolling data or stored by the Snapshot, AutoSnap, and Log functions (Figure 37).

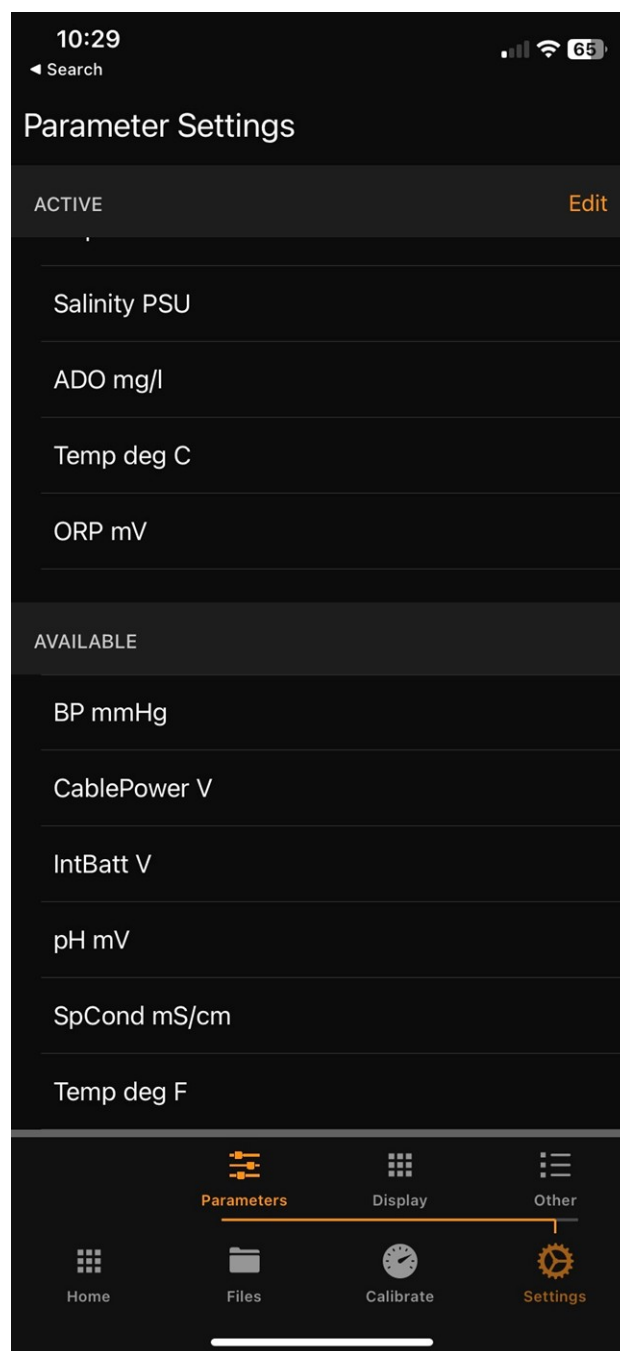


Figure 37

You can move a parameter to the Active list from the Available list, or make an Available parameter Active, by tapping Edit at the top of the screen (Figure 38). Tap the red button adjacent the Parameter you wish to remove from the Active list, then tap Done. Note that the deactivated parameter will appear in the Available list. If you wish to add an Available

parameter, tap Edit at the top of the screen, tap the green button next to the desired Available parameter. Tap Done and that parameter will appear in the Active list.

You can change the order in which the parameters appear by tapping Edit, touch the three-line icon adjacent the Active parameter you wish to move, and drag it to the position in the Available list you wish the parameter to occupy. Then tap Done. This parameter order applies to what you see in rolling data, Snapshot data, and Log data.

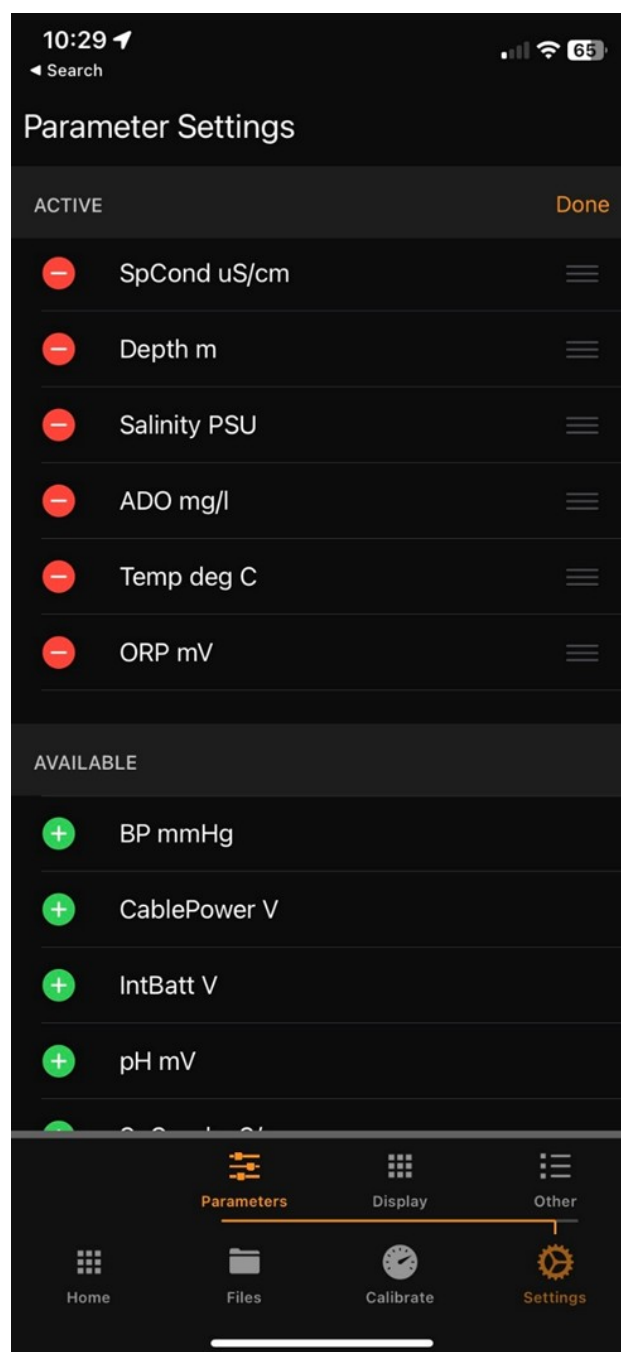


Figure 38

## 5.2 Display

The Display Settings function is divided into two parts, Home Display Layout and Reading Updates (Figure 39).

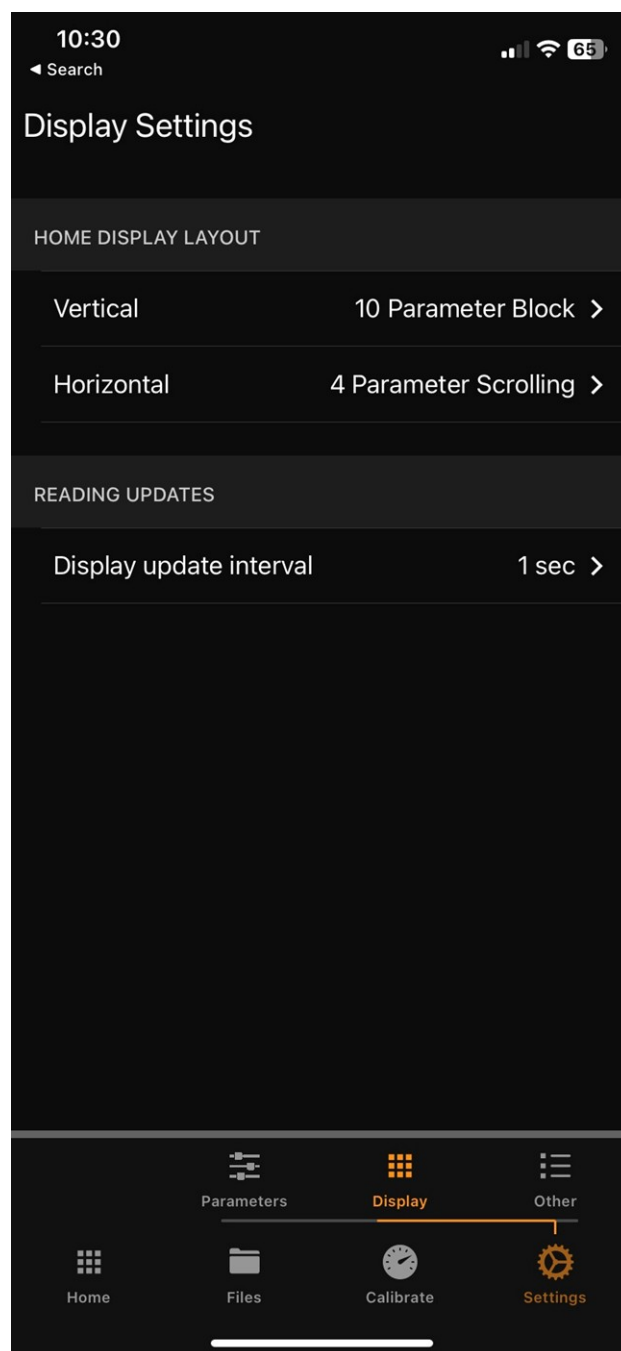


Figure 39

Tap the arrow next to Vertical or Horizontal to produce screens where you can adjust the screen layout to your liking (Figure 40).

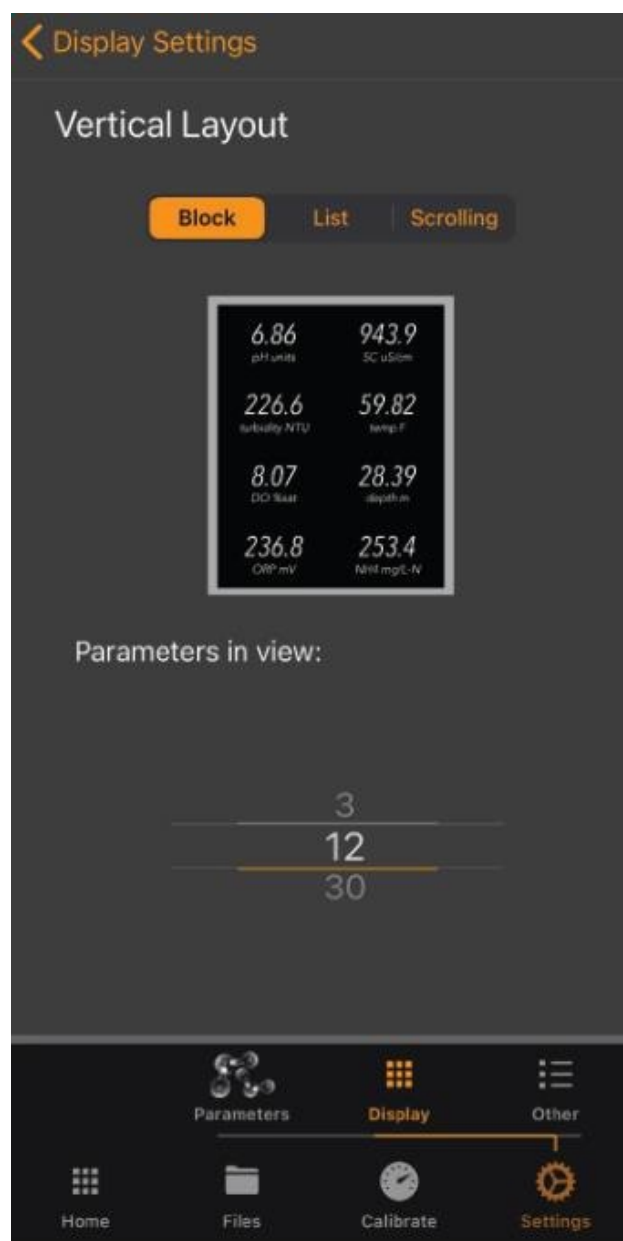


Figure 40

Tap the arrow next to Display Update Interval to get the Display Update Interval screen (Figure 41), where you can change the time between readings by swiping up and down on the hours, minutes, and seconds. Note that the update interval is how often your rolling data is updated on the Home Screen, and how often Snapshots are taken when AutoSnap is turned ON. For example, when the Display Update Interval is set to 10 seconds, an AutoSnap will be taken every 10 seconds and written to the active Snapshot file.

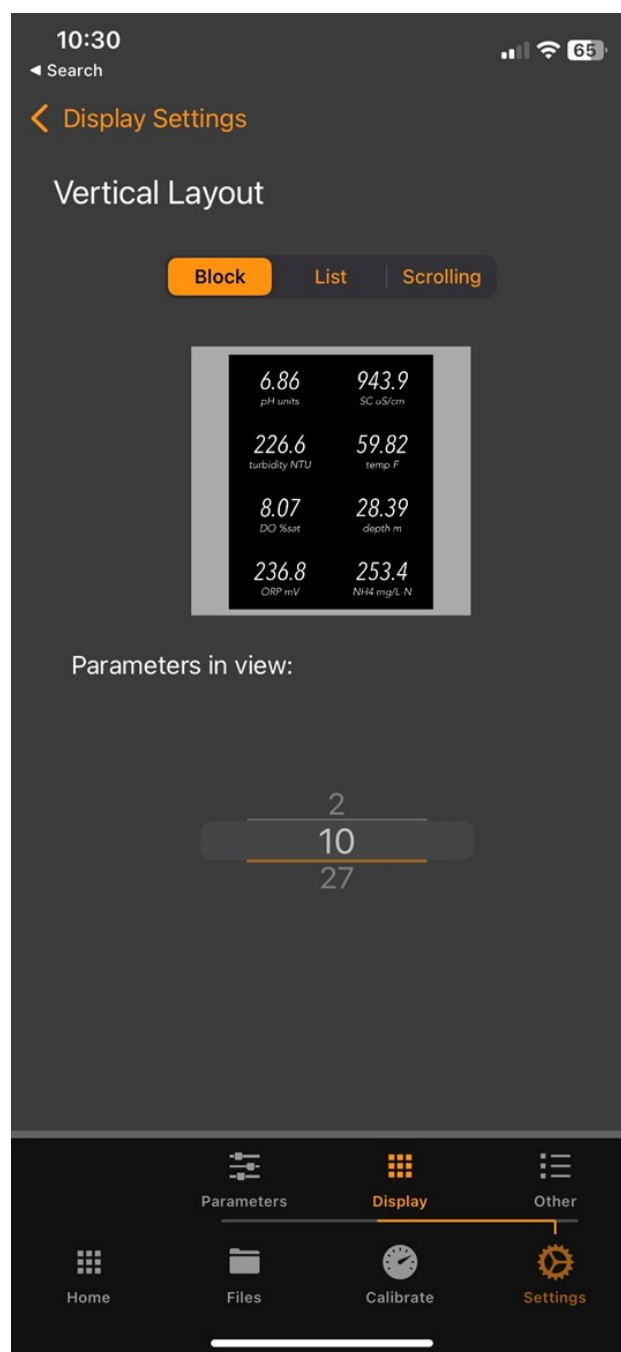


Figure 41

## 5.3 Other

This section contains several important features useful in the operation of your multiprobe (Figure 42).

This chapter contains the following subsection:

- [Probe time](#) <sup>39</sup>
- [Show Hidden Sensors](#) <sup>40</sup>
- [Location](#) <sup>41</sup>
- [Show Probe Simulators](#) <sup>43</sup>
- [Connection](#) <sup>44</sup>
- [Calibration](#) <sup>44</sup>
- [App](#) <sup>44</sup>

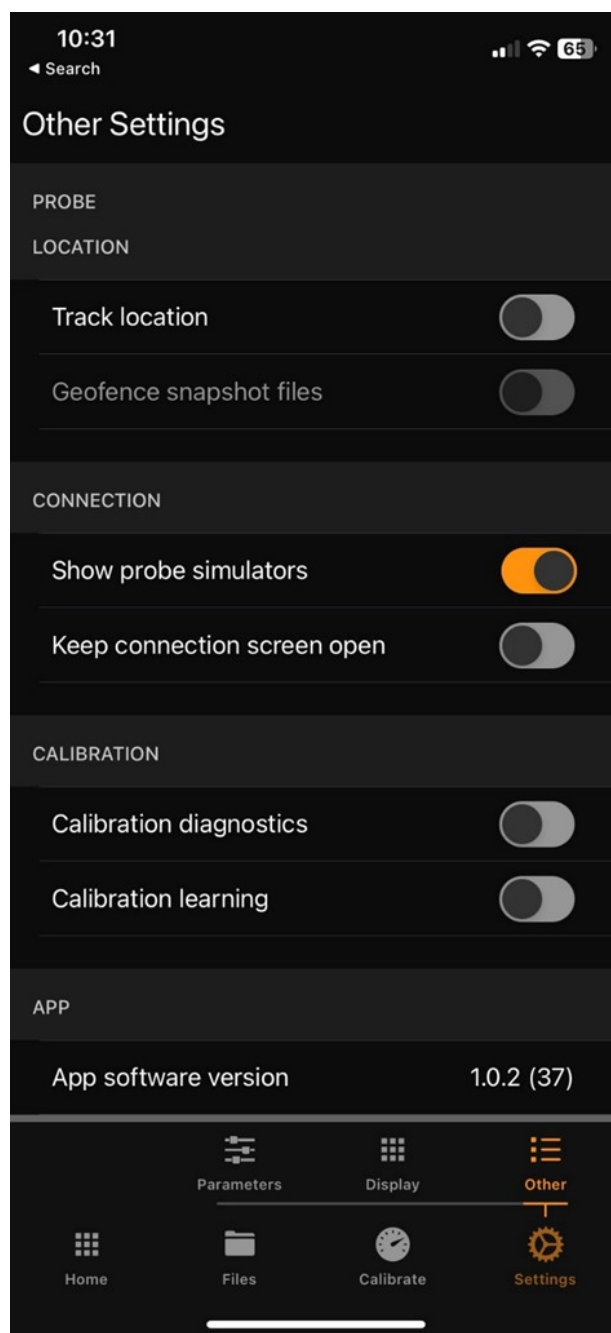


Figure 42

### 5.3.1 Probe time

Probe time is the time and date recorded with each data line during Logging (Log files inside the multiprobe's log memory). Your device time is the time and date recorded with each line of data in Snapshot files (Snapshot files stored in your display device). To manually set the probe's time, swipe up or down to select the desired date and time (Figure 43 & 44).

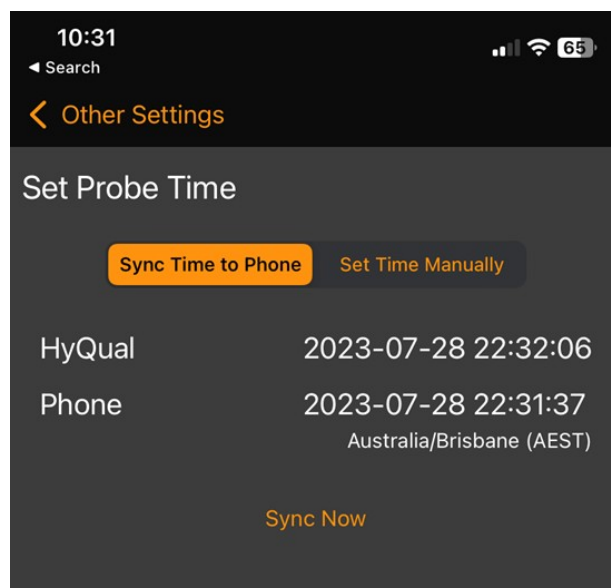


Figure 43

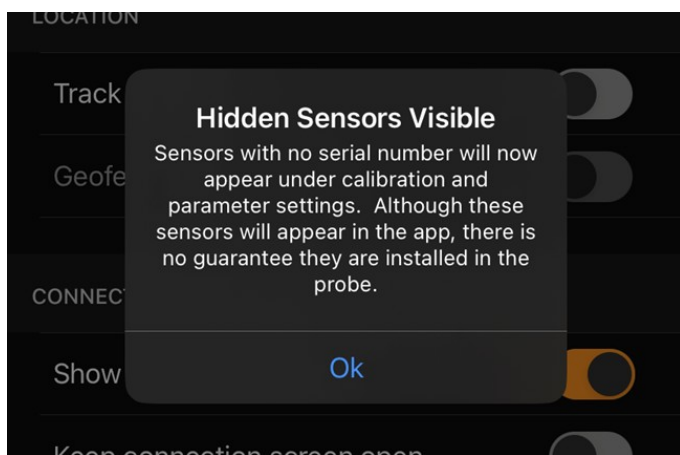


Figure 44

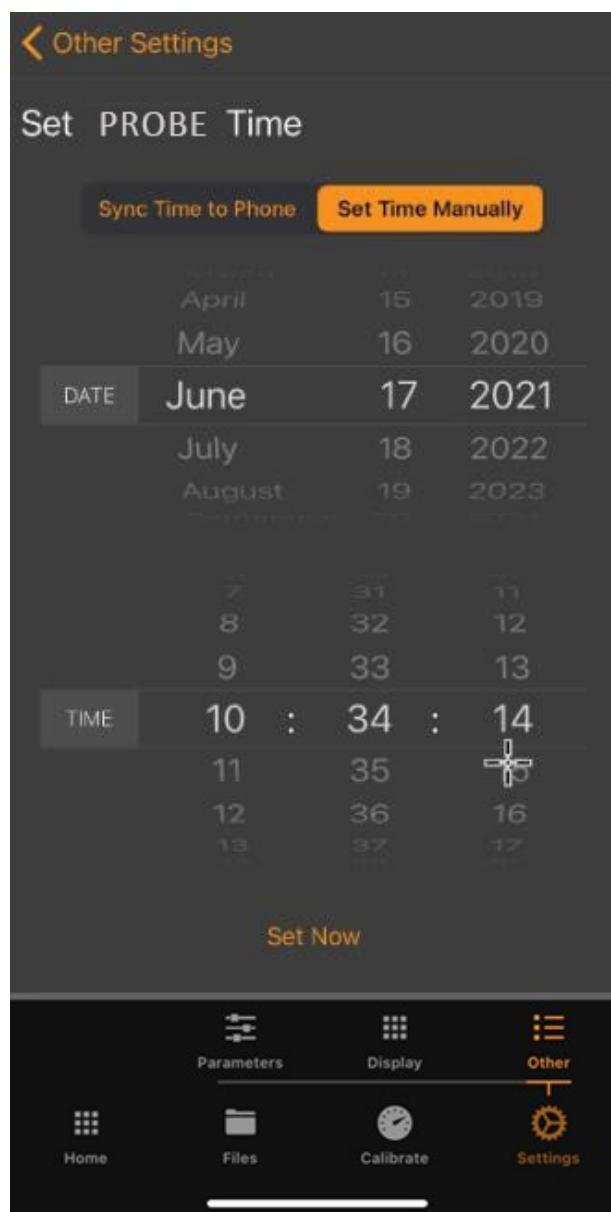


Figure 45

### 5.3.2 Show Hidden Sensors

You can turn “Show hidden sensors” on and off by tapping the On/Off switch to the right (Figure 45). When Show Hidden Sensors is toggled ON, additional sensor parameters appear in the Settings - Parameters section under Available. These are sensors with no serial numbers, for example virtual parameters like Salinity which is derived from the SpCond (specific conductance). There may also be other sensors that appear that are not installed on your multiprobe. If you are unsure exactly what sensors are installed, check your manual, or contact the Support Team at KISTERS.

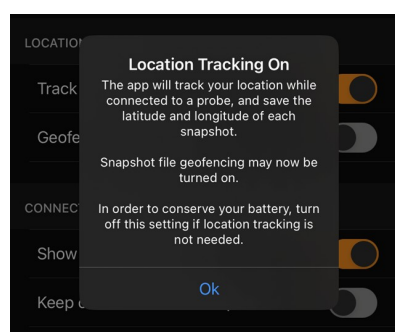


Figure 46

### 5.3.3 Location

You can turn “Track Location” on and off by tapping the On/Off switch to the right (Figure 46). When Track Location is toggled ON, the device’s location’s latitude and longitude will be recorded within each Snapshot or AutoSnap data record. Turn off this setting if location tracking is not needed, to conserve the device’s battery.

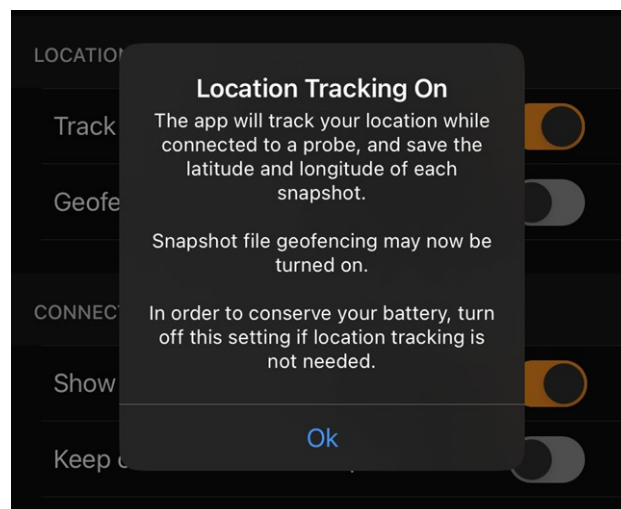


Figure 47

You can turn “Geofence Snapshot Files” on and off by tapping the On/Off switch to the right (Figure 47). (location accuracy is better if your display device is cellular-capable). Toggle On Track Location and tap OK. Next toggle ON Geofence Snapshot files and tap OK. Note that when you toggle OFF Track Location, this also turns off Geofencing as it needs the GPS signal to work.

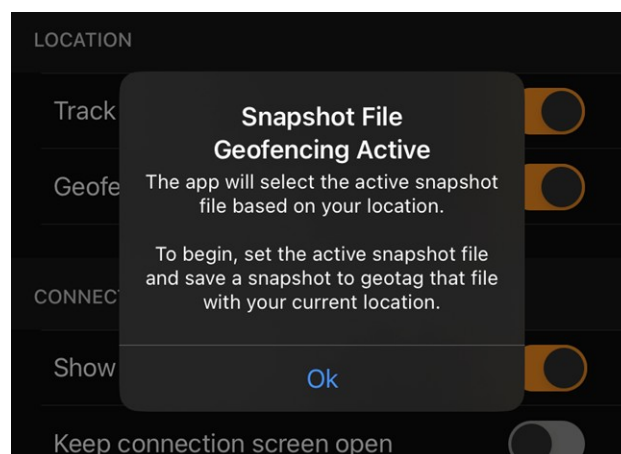


Figure 48

Geofencing will automatically select and switch to the correct Active Snapshot file within range of that file's pinned geolocation, but first you must pin the Snapshot location. At the site where you are collecting water quality data, turn ON Geofence Snapshot files. Record a line of data using the Snap feature. The active Snapshot file is now tagged with the geolocation. Note that you will see a Pin icon next to the Active Snapshot file name signifying that the location has been successfully tagged (Figure 48). The Geofence feature eliminates the need to remember to select the Active Snapshot file when moving from site to site, which is especially useful when you are collecting data at multiple sites each day.

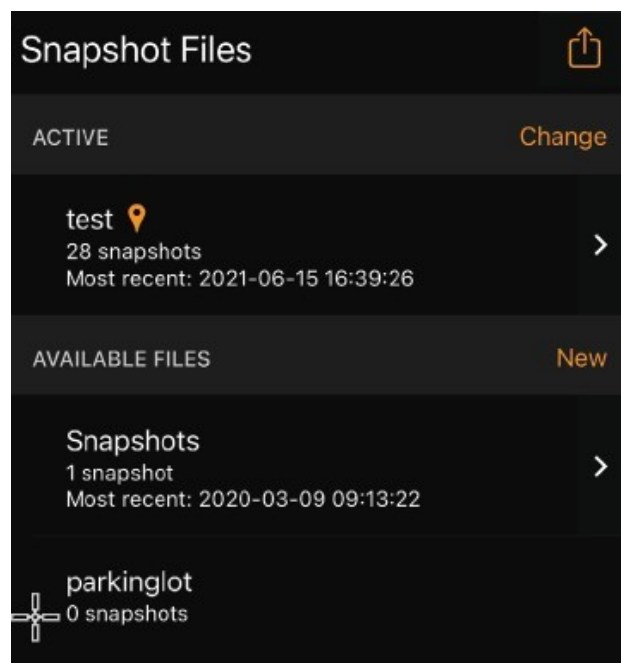


Figure 49

**Note:** If you are out of range of any Snapshot file's geolocation and try to take a Snapshot, you will see the OUT OF RANGE message (Figure 49).

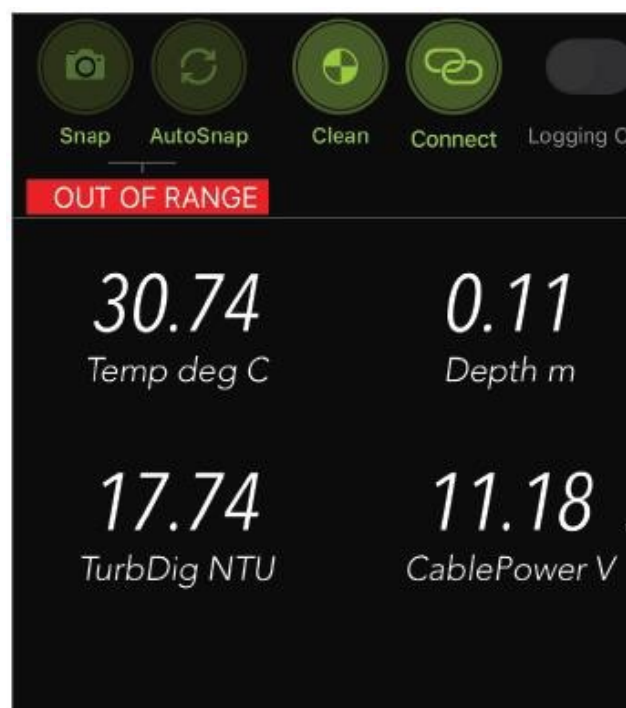


Figure 50

When tagging locations, you may also see a Getting Location Fix message (Figure 50) which indicates that the satellite location service needs additional time to get an accurate location fix. Wait a few seconds and try again.

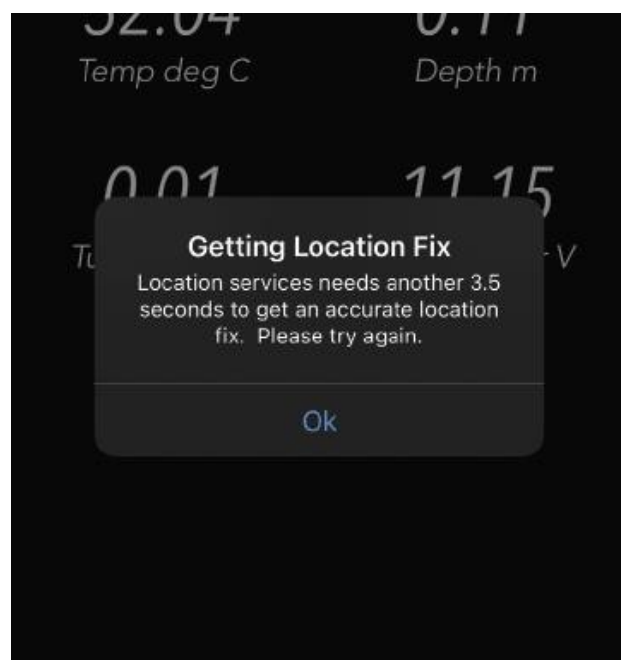


Figure 51

### 5.3.4 Show Probe Simulators

You can turn “Show Probe Simulators” on and off by tapping the On/Off switch to the right (Figure 51). When ON, multiprobe simulators will appear in the list of multiprobes available for connection. Not all The User Interface App functionality is present for simulators, but it does allow the user to become familiar with the User Interface App program without having a multiprobe connected and communicating via the Bluetooth® wireless technology Battery Pack Bluetooth® wireless technology device. This is useful for training and demos.

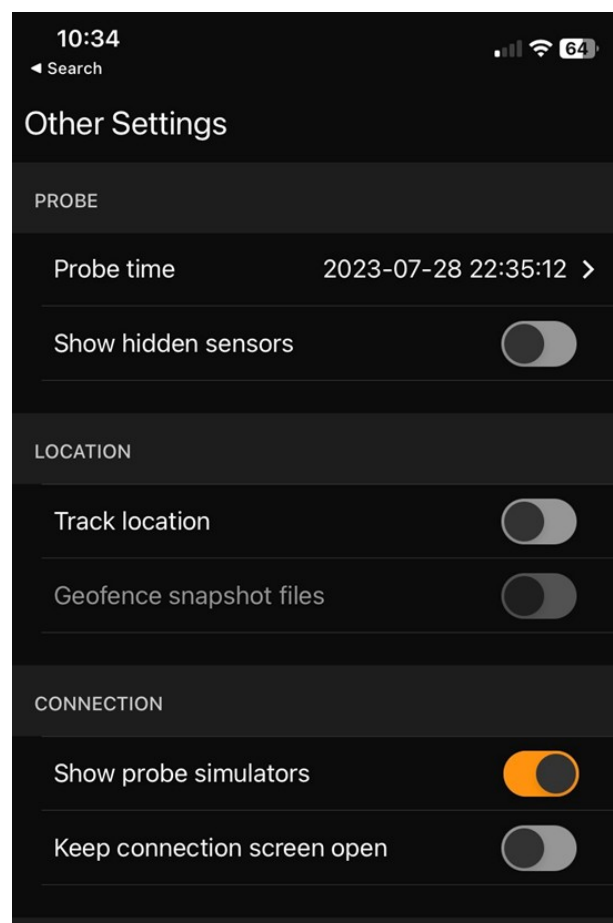


Figure 52

### 5.3.5 Connection

You can turn “Keep connection screen open” on and off by tapping the On/Off switch to the right (Figure 52). After connecting to a multiprobe, the “Connected Probe” screen will remain showing, rather than automatically returning to the Home Screen. Tap the Home button to close the Connection screen and return to the Home Screen to see live scrolling data. This feature is useful when working with multiple multiprobes in range, making it easy to switch between multiprobes that appear in the Available Probe list.

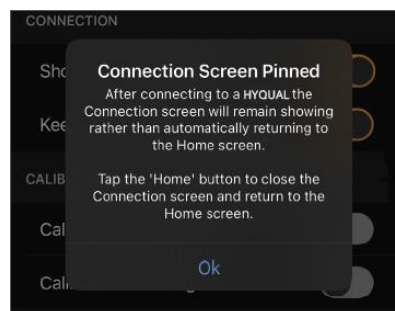


Figure 53

### 5.3.6 Calibration

You can turn “Calibration Diagnostics” on and off by tapping the On/Off switch to the right (Figure 53). When ON, the User Interface App will record each calibration step. When diagnostics are available, you will be prompted to export the diagnostic report via email. This feature is useful for calibration troubleshooting.



Figure 54

You can turn “Calibration Learning” on and off by tapping the On/Off switch to the right (Figure 54). Buttons shown during a parameter calibration procedure will be highlighted if they need to be selected for learning. The goal is to tap all buttons at least once and have no highlighted buttons once the selected sensor parameter has been successfully calibrated. This feature is especially useful for first time users.

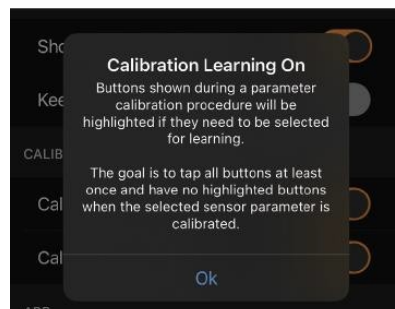


Figure 55


















### 5.3.7 App

Export to File System - When you are in the Share screen of the Snapshot Files or Log Files and tap Export at the bottom of the screen, the selected file(s) is exported to your device’s file system (usually called “Files” on your device) if the screen’s switch is ON. From there they can be extracted by a peripheral (such as a PC) through your device’s normal “sync” function. The resulting screen lets you export the selected file to a peripheral device (such as a PC) if the switch is ON, or email the selected file if the switch is OFF.

Turn “Export to file system” on and off by tapping the On/Off switch to the right. If the switch is ON prior to exporting Snapshot or Log files, the file(s) will be saved from the File in your app to the Files system in your device instead of being exported as an email attachment. This feature is useful if the display device used has no email account tied to it. This feature is also of benefit to users who may not be authorized to use email to send water quality data, due to IT security regulations.

The User Interface App software version: This screen also shows the display device’s The User Interface App software version number at the bottom of the screen.

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