



Odyssey Xtract User Guide

Quick Start Guide

1. Install and open the Xtract App
2. Enter Username and Password in Settings Menu
3. Press SERVER SYNC

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Hardware Required

1. Android V6.0 (minimum) or IOS V9 (minimum)
2. Bluetooth LE 4.0

Note: Although any tablet that meets these requirements should work, if using the tablet/smart phone for analysing data using the Xpert Web Portal we recommend using the best tablet/smart phone possible with Android V8 or later, as displaying charts can use a lot of resources.

Initial Requirements.

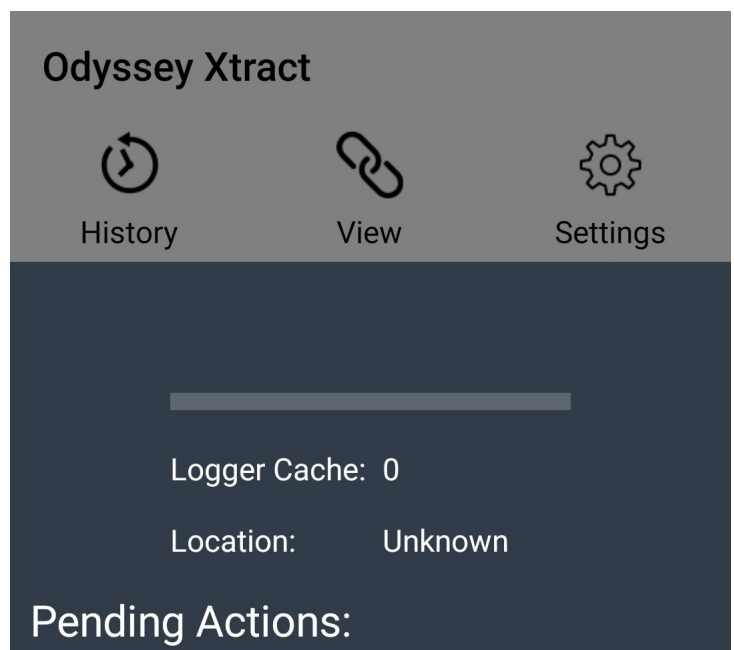
- Download the Odyssey Xtract App, from Google Play or the Apple App Store, onto your Smart Phone or Tablet.
- Enable Bluetooth and Wifi.
- Enable Location services.

Using the Xtract App.

Open the Xtract App. If this is the first time the App has been installed on this device, the main screen will be briefly displayed before a prompt is displayed to enter the supplied username and password in the settings screen.

Once set up, Xtract will automatically perform data collection and settings updates while it is running.

- There are three user touch buttons located at the top; History, View and Settings.
- Status area and progress indicator bar.



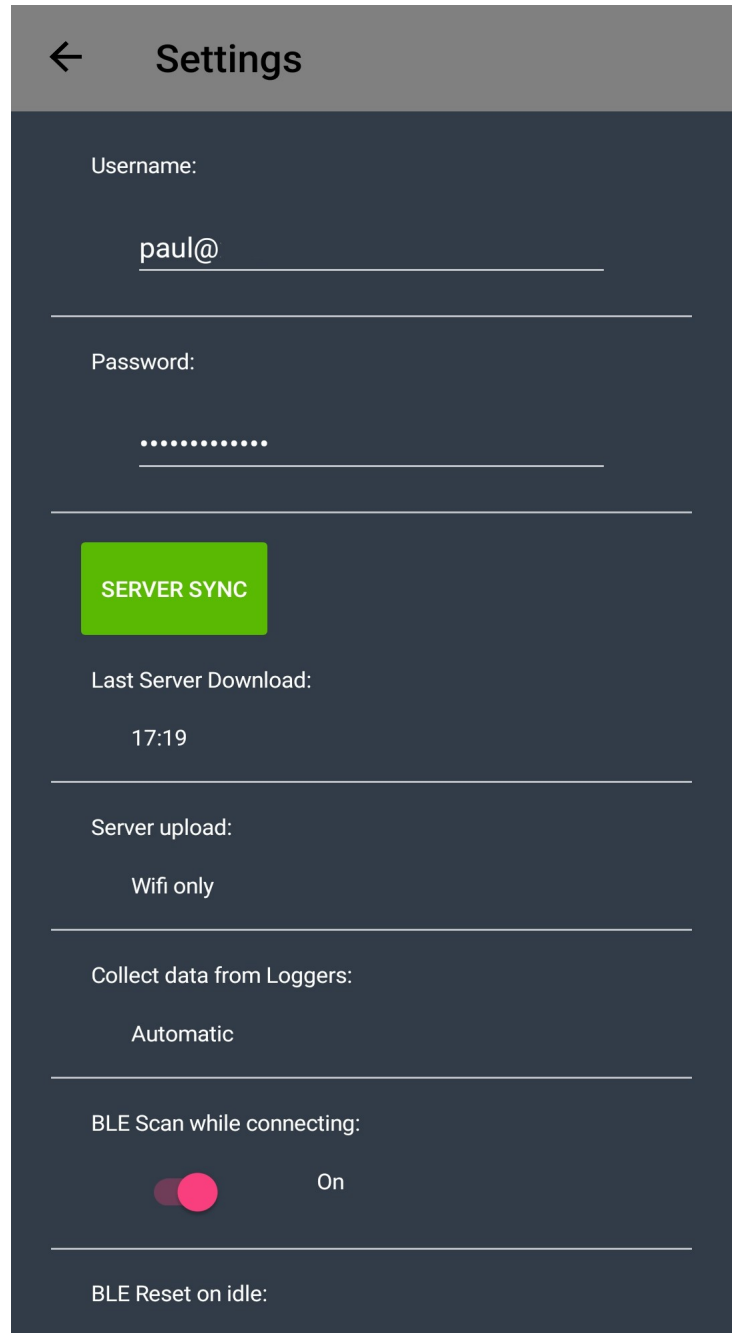
Settings Screen

Select Settings from the main screen. If there is no username then the app will go to the settings menu automatically.

- Press the arrow to return to the Main Screen.
- Enter the supplied username and password. Contact Dataflow Systems for these credentials.
- Press the **SERVER SYNC** button to synchronise the settings for the Xtream loggers with the Xtract application. The **Last Server Download** time will change from Never to the current time once the settings have been loaded to the tablet. This may take 10 to 20s.
- Select **Server Upload** to enable data to cellular data or wifi only.
- When set to Automatic, Data will be collected from the Loggers. Set to Never to not collect the Data.
- When set to on, **BLE Scan while connecting** allows the app to see other devices while connecting to a selected logger. We recommend turning this On.
- Only for older Android devices **BLE Reset on Idle** may help the Bluetooth remain connected,

Note: Once the initial sync is complete the

Xtract application will keep it updated by polling the server every 10 minutes. At anytime a sync can be forced just by pressing the button. If the word Never does not change, check that the username and password are entered correctly and that the tablet / phone has an internet connection.



← Settings

Username:
paul@

Password:
.....

SERVER SYNC

Last Server Download:
17:19

Server upload:
Wifi only

Collect data from Loggers:
Automatic

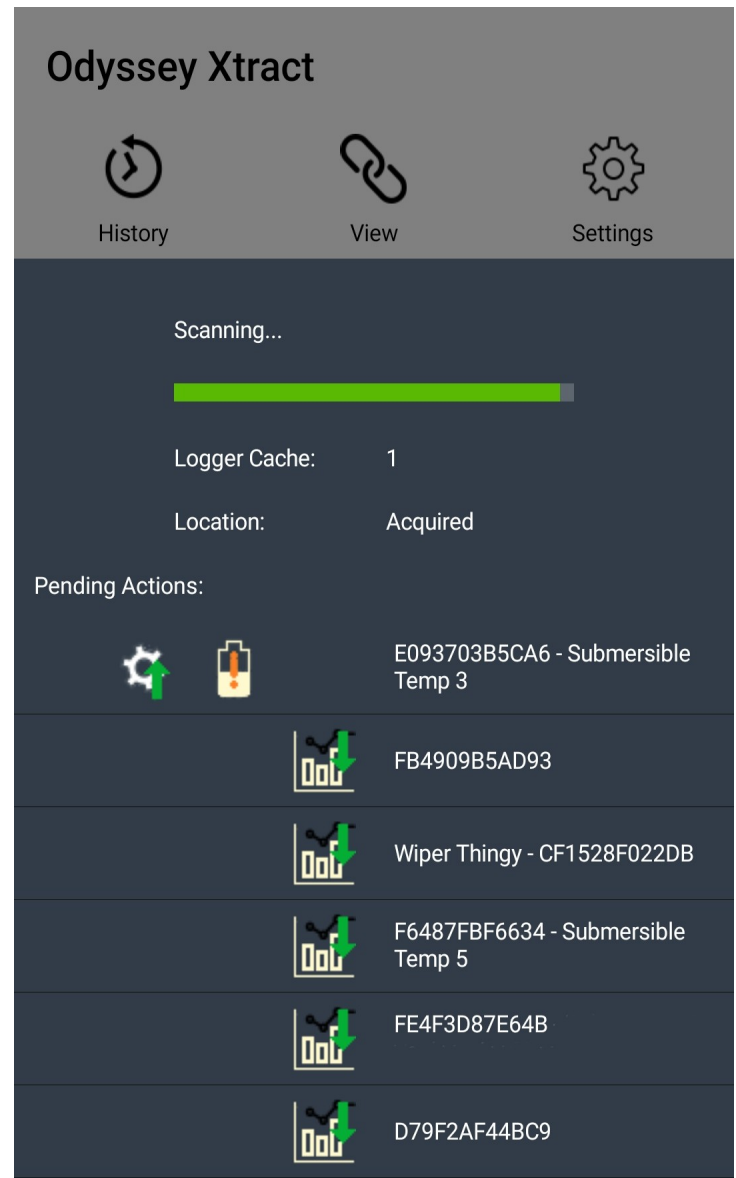
BLE Scan while connecting:
On

BLE Reset on idle:

Odyssey Xtract Main Screen

The Xtract App will automatically scan for, connect to and download the data to the tablet / phone for any registered loggers within range. All data will be automatically uploaded to the server once an internet connection is available.

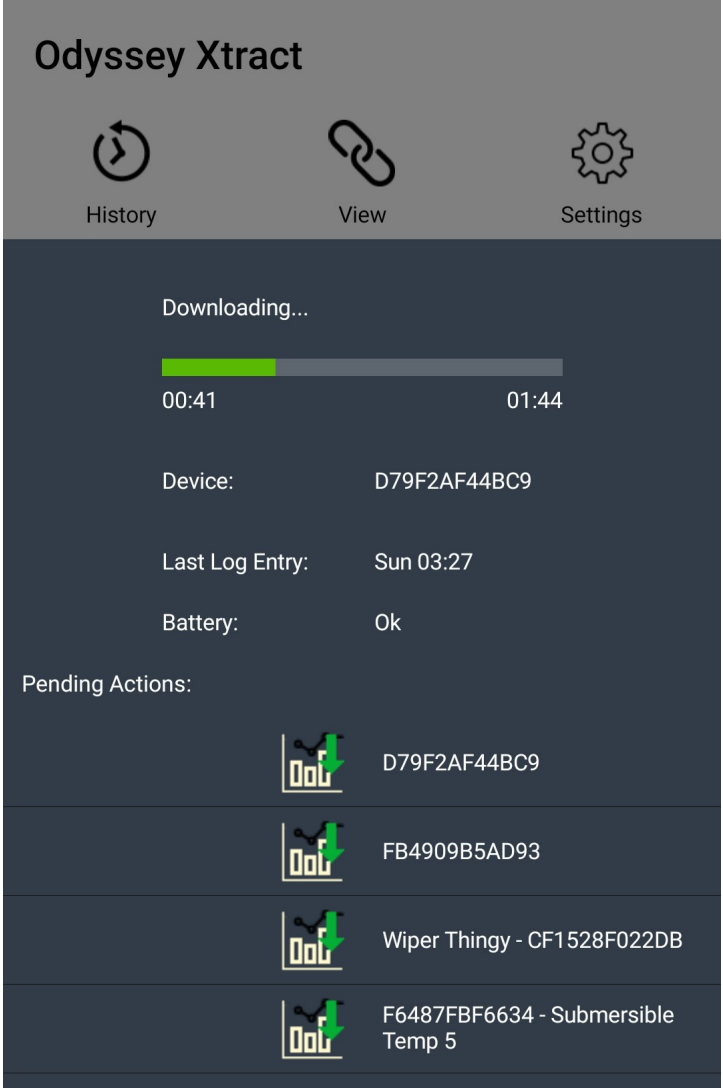
- While on the main screen Xtract will be **Scanning** for loggers that are within range.
- The **Logger Cache** indicates the number of loggers that the App is storing data for ready to be sent to the cloud.
- When the **Location** shows acquired, the GPS position will be associated to the Logger
- The scrollable **Pending Actions** list shows icons for each registered logger that are within range. Press a line to see the Icon Key below



Note: Loggers with critically low battery cannot be connected.

When a registered logger has data to download, settings to update or firmware to update, Xtract will attempt to connect to the logger and the status will change to **connecting**. When connected the pending actions will be carried out.

- While collecting data the status will change to **Downloading**.
- The progress bar shows the progression through the download.
- The time on the left of the progress bar indicates how long it has been downloading. The time on the right of the progress bar shows the estimated remaining time to collect all the data.
- **Device** is the name given to the logger in Xpert.
- **Last Log Entry** shows the current logged data that has just been collected.
- **Battery** shows the status of the batteries in the logger.



Odyssey Xtract

History View Settings

Downloading...





00:41 01:44

Device: D79F2AF44BC9

Last Log Entry: Sun 03:27

Battery: Ok

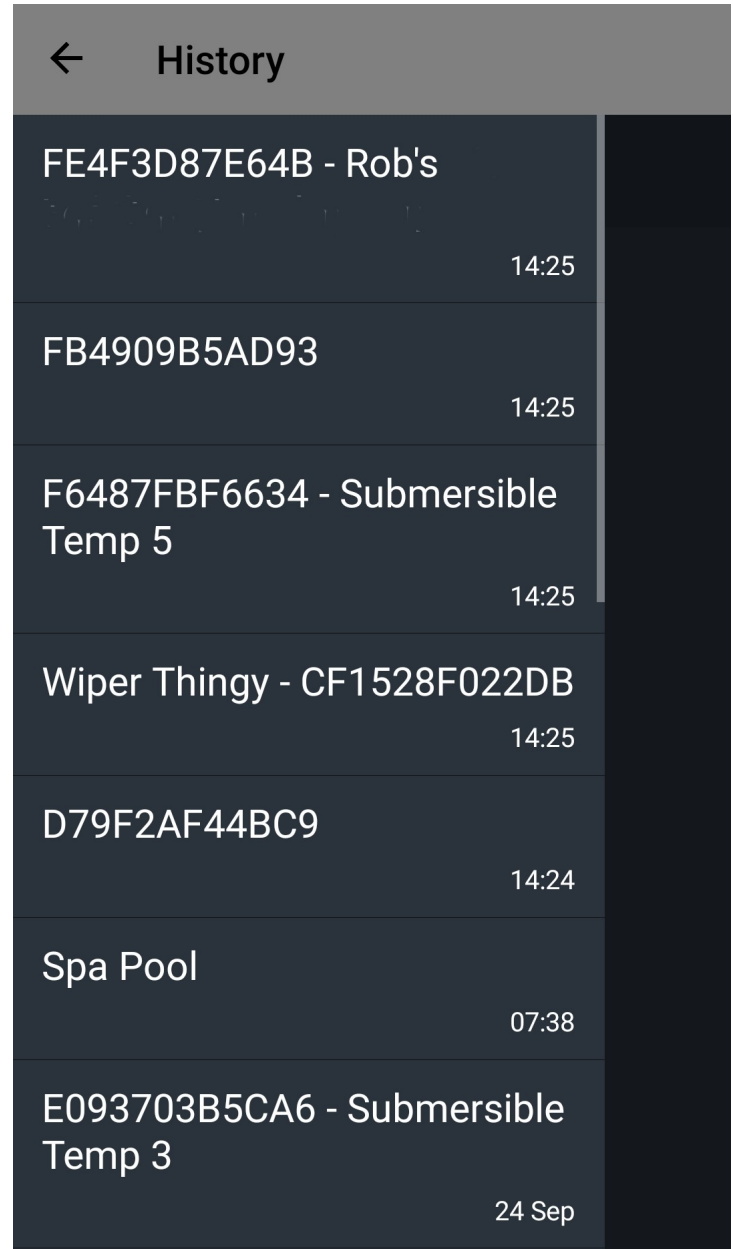
Pending Actions:

	D79F2AF44BC9
	FB4909B5AD93
	Wiper Thingy - CF1528F022DB
	F6487FBF6634 - Submersible Temp 5

History Screen

Select the History button from the main screen.

- Press the arrow to return to the Main Screen.
- The scrollable list shows all of your registered Xtream loggers and the time/date the logger was last seen by this device. The loggers are sorted in chronological order.
- Select a logger from the scroll list to view its recent history.



← History	
FE4F3D87E64B - Rob's	14:25
FB4909B5AD93	14:25
F6487FBF6634 - Submersible Temp 5	14:25
Wiper Thingy - CF1528F022DB	14:25
D79F2AF44BC9	14:24
Spa Pool	07:38
E093703B5CA6 - Submersible Temp 3	24 Sep

- Press the arrow to return to the Main Screen.
- For Android, press the 3 lines to return to the History list. For IOS, slide right.
- **Last Download** is the time/date that logger data was downloaded.
- **Completed** will be shown if all data was collected, or else it will show **Partial**.
- **Last Log Entry** is the time/date of the last downloaded log.
- **Battery** indicates the status of the batteries at the download time.
- **Firmware Version** is in green when the logger firmware is up to date.
- **Logger Settings Version** is in green when the logger settings are up to date.
- **Server Settings Version** is the last settings version loaded from Xpert.

← History	
☰ FB4909B5AD93	
Last Download:	14:24
	Completed
Last Log Entry:	14:24
Battery:	Ok
Firmware Version:	v1.10
Logger Settings Version:	35
Server Settings Version:	35

Note: If the Firmware version does not match, connect to the logger in View Mode and select update. To make all firmware versions update automatically contact Dataflow Systems. Settings will update automatically but they can also be forced in View mode.

Once an Xtream logger has been connected in View mode, the history will be extended to include the last data received from the logger.

- Press the arrow to return to the Main Screen.
- For Android, press the 3 lines to return to the History list. For IOS, slide right.

- Soil moisture readings shown are from an Xtream Multi-Profile Soil Moisture Logger. Each type of logger will have its own data set of readings.

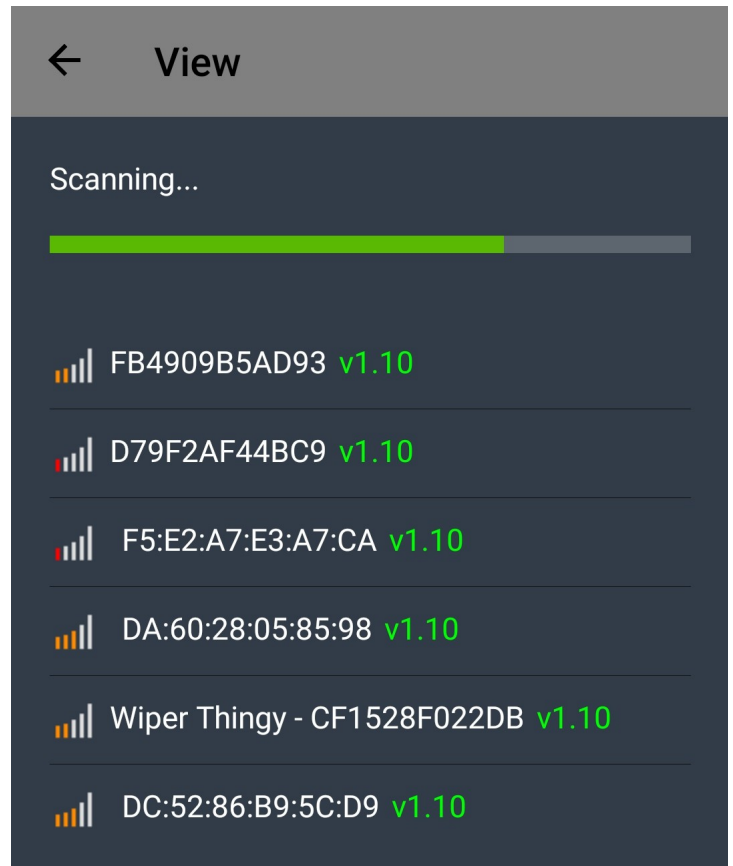
- The **Time** shows the time the readings were collected from the logger.

← History	
≡ FB4909B5AD93	
Last Download:	14:24
	Completed
Last Log Entry:	14:24
Battery:	Ok
Firmware Version:	v1.10
Logger Settings Version:	35
Server Settings Version:	35
Soil 1	59.99% 8.79°C
Soil 2	62.14% 9.94°C
Soil 3	53.4% 10.76°C
Soil 4	78.31% 11.38°C
Soil 5	88.42% 11.66°C
Time	02:27:50

View Screen

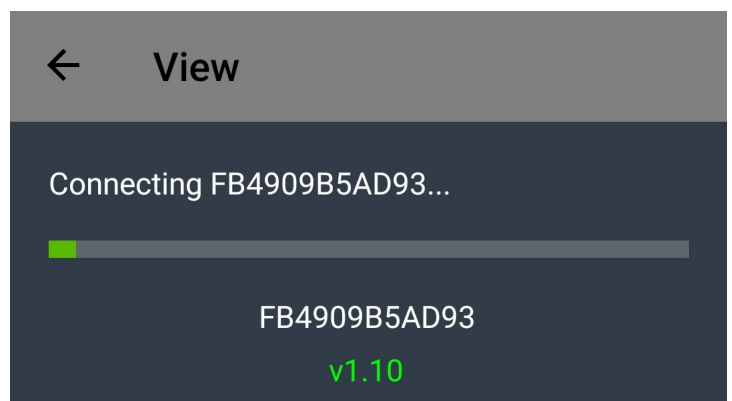
Select the View button from the main screen.

- Press the arrow to return to the Main Screen.
- Once the current action from the main screen is complete the status will change to **Scanning**.
- Xtream loggers within range show in this scrollable list.
- The signal strength icon has green bars for close loggers, orange bars for loggers further way and red bars for loggers furthest away.
- The name given to the logger in Xpert is displayed.
- The logger firmware version is shown in green when the logger firmware is up to date.



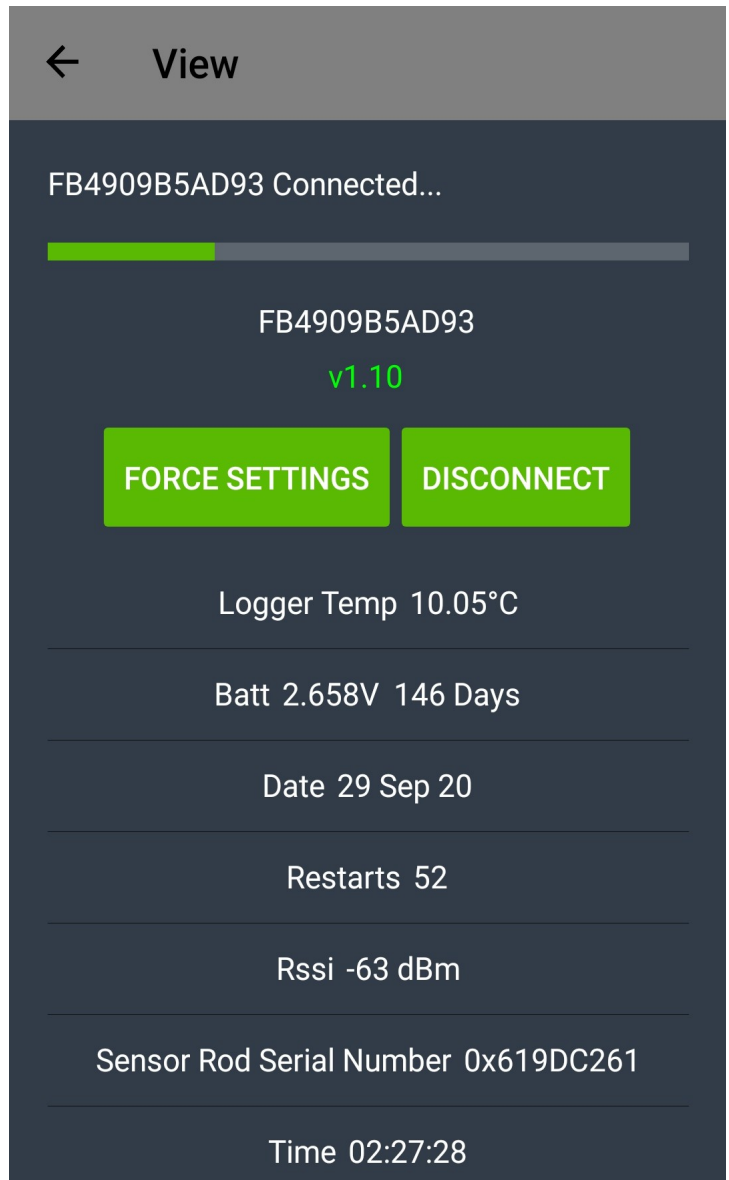
Xtract will attempt to connect to the logger when selected by touching its name.

- While connecting, the logger name will be displayed along with the logger firmware version.

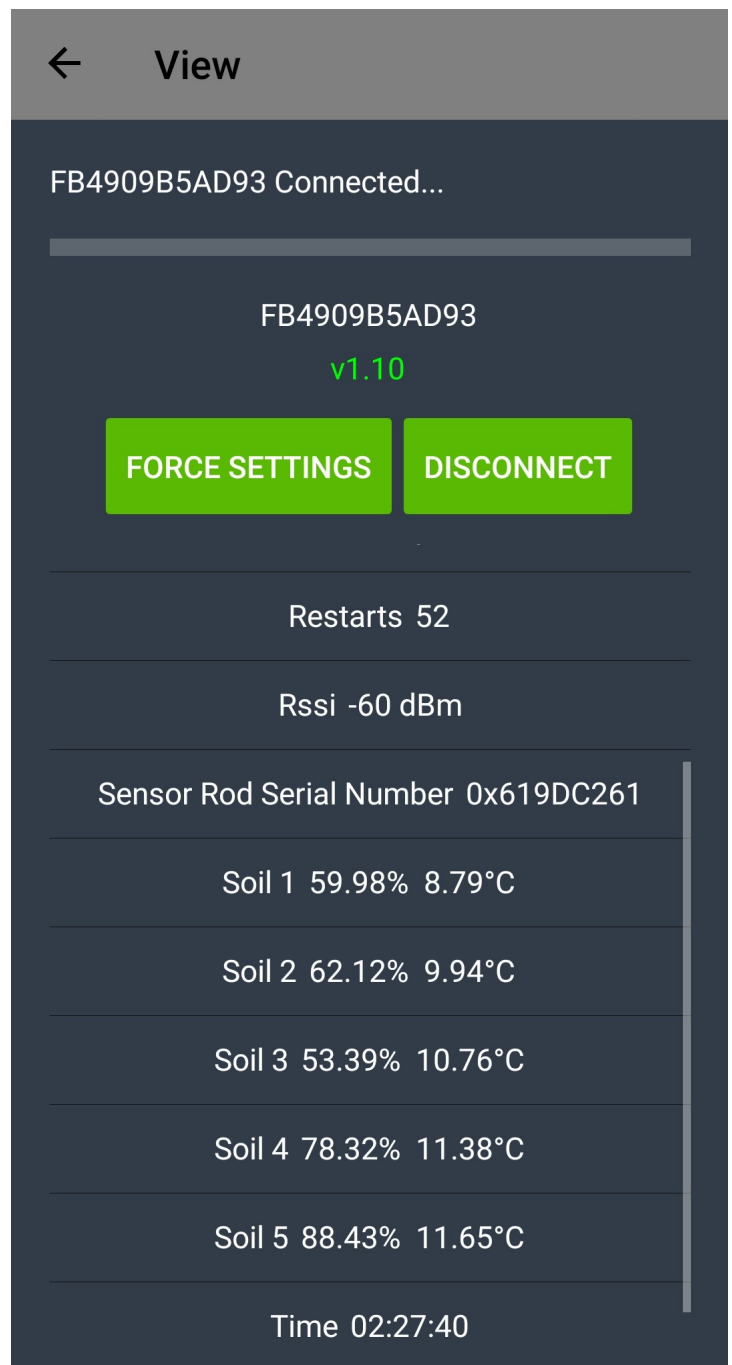


Once connected successfully to a logger the status will change to the logger name followed by **Connected**. This logger data updates every 10 seconds.

- Press the arrow to disconnect the logger and return to the Main Screen.
- The settings can be applied to the logger by pressing the green **FORCE SETTINGS** button.
- If there is new firmware for the logger there will also be a green **UPDATE** button.
- Press the green **DISCONNECT** button to return to scanning.
- The internal Logger temperature.
- The battery voltage and estimated number of logging days remaining.
- The current date held in the logger.
- The number of times the logger has been restarted.
- The **RSSI** (received signal strength).
- Logger dependant, this is the serial number of the sensor rod in a multi-profile logger.
- The current Time held in the logger.



Once sensors have been read, this screen will be extended to display the readings in a scrollable box. The sensor readings will be updated every 10 seconds until the logger is disconnected. The last sensor readings before disconnecting can be viewed later in the history screen.



- These soil moisture readings are from a Multi-Profile Soil Moisture Logger sensor. Each type of logger will have its own data set of readings.
- The **Time** shows the time the sensor readings were collected from the logger.