# EWS Lynx Mobile App

**Device Configuration App.** 



Environment • Water • Geotechnical • Data

# **EWS Lynx Mobile App**

The **EWS Lynx App** is an easy to use mobile app for configuring your EWS Device in the field. Connect via Bluetooth and configure sensor types, set measurement intervals, transmission intervals, download log files and much more with the user friendly interface.



The EWS Lynx Mobile App is available to download from Apple App Store and Google Play.





## **Connect to EWS Device**

Connect EWS Device to the App to begin configuring.



# **Navigating The App**

Navigate the app to check and change configuration on the EWS Device.

Model: EVV5			
Firmware: V00	04 131	reach dif	ferent parts
Serial: 0003	12	of the Ap	p
IMEI: 3014	34060461590		
Modem: Iridiu	m		
Battery: 3.49	/		
Hardware: DVW	/T V01.2		
SIM:			
Faults: None			
Station ID: Ent	er Custom Station		
Field Notes:	d Custom notes		



## **Device Tab**

The Device Tab is where general device information is viewed. Device Reboot and Shipping Mode activation is also found here.

··· Device Information	
EWS DVWT 🖞 Share	Share or Save
	Device Information
Serial: 000312	
IMEI: 301434060461590	Device info
Modem: Iridium	
Batterv: 3.49V	IMEL, FVV, Internal
Hardware: DVWT V01.2	Battery Level and
SIM:	Fault Information
Faults: None	
Station ID: Enter Custom Station	
Field Notes: Add Custom notes	Add Custom Site
C Reboot Shinning Mode	Notes
Device Telemetry Sensors Log	
Reboot Device	Shipping Mode
Reset Device and	Put Device into sleep
Internal Clock	mode for storage
	and shipping

### **Sensors Tab**

The Sensors Tab is where all sensor configuration is done and sensor readings can be checked.

Sews dvwt	•all configured channels
Channels Read All Channels	
01. vwp1 fre (S1 - VW Frequency) Read 3108.378	Take spot reading of
02. vwtemp1 (S1 - VW Tempera	
03. vwp2 fre (S2 - VW Frequency)	
Read	•Channel Settings
04. vwp2temp (S2 - VW Temper 👝	Go to channel settings
Read	config
+ Add Channel	
	Add another
· · · · · · · · · · · · · · · · · · ·	esensor channel
Device Telemetry Sensors Log	

# Channel Settings 🖨

The Channel Settings is navigated to through the Sensors tab and is where sensor type is selected and configured in detail.



#### **Understanding Your Sensor**

It is important to understand the sensor you are connecting to in order to map the correct commands to the EWS Device via the App.

# Channel Settings 🖨

The Channel Settings is navigated to through the Sensors tab and is where sensor type is selected and configured in detail.

1. Level (SB - 1	Modbus)	
Label	Level	Set Warmup Perio How long to power
Sensor Type	SB - Modbus	sensor before record
Measurement Start Time	00:00:00	reading
Measurement Interval	06:00:00	
Warmup Period	5	Set Cain
Gain	1	•Multiply reading by
Offset	0	a factor
	Done	Annhy Offert
De	lete Channel	Apply offset to
	(o) <b>d</b>	

# Modbus & SDI12 Settings

If Modbus or SDI12 sensor type is chosen, you can configure the EWS Devices Modbus or SDI12 command settings to match your sensor.

EWS Swite	h	
. Water Le (S1	- Modbus)	
Modbus Bus Address	1	
Modbus Register Number	1	
Modbus Register Type	Holding Register	
Modbus Value Type	16 Bit (INT16)	
Modbus Value Encoding	Big	
Modbus Timeout	500	
Modbus Baudrate	19200	-
Device	(O) Sensors	Log

<b>1. Level</b> (S2 - S	DI-12)	
JUALE FILLE		
Measurement Interval	06:00:00	_
Warmup Period	10	_
Gain	1	_
Offset	0	_
SDI12 Address	0	_
SDI12 Measurement #	1	_
SDI12 Command	aM	
Device	((O)) ry Sensors	Log

### **Modbus Settings**

If Modbus is selected, relevant Modbus settings fields appear and can be configured accordingly

### SDI12 Settings

If SDI12 is selected, relevant SDI12 settings fields will appear and can be configured accordingly

# Telemetry

The Telemetry Tab is where the EWS device telemetry schedule is configured and transmission can be forced to check cloud connectivity.

··· Telemetry	Set Telemetry Start
Switch	Time Time of day dovice
Telemetry Start Time <u>22:00:00</u>	begins telemetry cycle
Telemetry Interval 24:00:00	
Force Transmission	Set Telemetry Interv How often device
Iridium Modem installed	transmits (schedule)
Modem Powered Down	
	Force Transmission
	Force a transmission
	to push data to cloud and assess signal
n 🔊 (o) 🖽	

### **Download Log**

Manually download the log file stored at the device. This includes all recorded readings and event metadata which can be useful for diagnosing any device issues.





#### Select Date Range

Select date range to download. Alternatively, download all records stored on the device

### Share Log File

Share downloaded .csv log file and via email, messenger Whatsapp etc