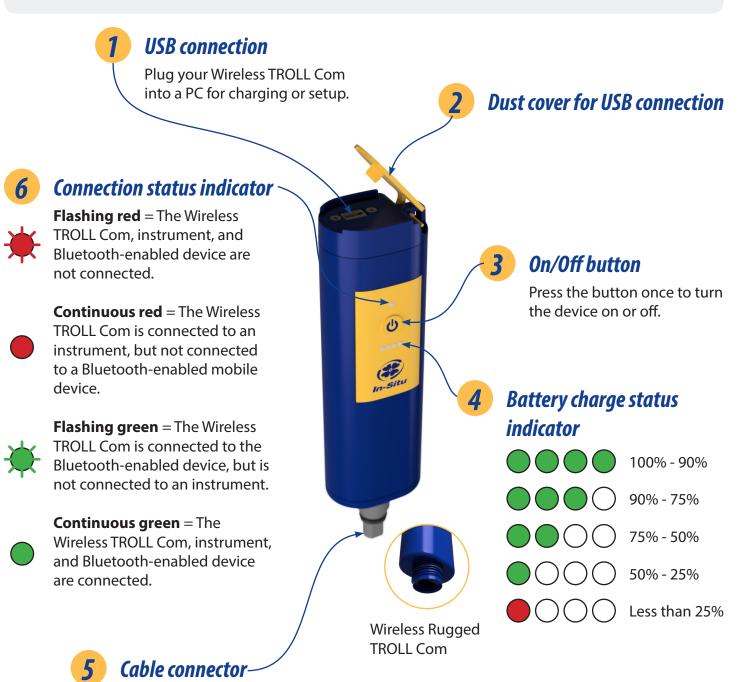




Use the Wireless TROLL Com to connect an In-Situ instrument to a Bluetooth-enabled mobile device and the VuSitu mobile app. The Wireless TROLL Com doesn't have internal data storage. It allows data transfer between an instrument and VuSitu (or Win-Situ 5 via a USB cable).



Attach an instrument to the Wireless TROLL Com with a Rugged Cable before connecting to VuSitu. When switching instruments, you may need to turn the Wireless TROLL Com off and on again.

Information subject to change without notice. In-Situ, In-Situ logo, "Water Simplified", VuLink, RDO, RuggedCable, TROLL, BaroTROLL, HydroVu, VuSitu, Baro Merge, and Win-Situ are trademarks or registered trademarks of In-Situ Inc. ©2023. All rights reserved. This product may be covered by patents identified at www.in-situ.com/patents

Charging the Wireless TROLL Com



Open the dust cover at the top of the Wireless TROLL Com.



Connect the USB cable to the device.



Plug the USB cable into the wall charger or a powered USB port from a computer. Make sure the computer is plugged in.



The device lights will turn on and blink according to charge level.



A fully-charged communication device will run for up to 40-50 continuous hours. Avoid full discharges and charge the battery each use. Do not store the Wireless TROLL Com in temperatures above 122 F/50 C.

Connecting to VuSitu with a Wireless TROLL Com



You must have the VuSitu mobile app to use the instrument with a mobile device. Download VuSitu from the Google Play Store or the Apple App Store.

Connecting to VuSitu



Attach an instrument and turn on the Wireless Rugged TROLL Com. Launch VuSitu. The app will automatically connect.



To connect to another instrument, press **Disconnect**. VuSitu displays a list of available connections.



VuSitu displays the Connected Instrument screen when pairing is complete.

Connecting to Win-Situ 5



Attach an instrument to the Wireless TROLL Com with a Rugged Cable.





Connect the USB cable to the port at the top of the Wireless TROLL Com.

Plug the other end of the cable into your PC's USB port.

Open Win-Situ. Select No when asked "Connect to device now?"

Serial Communications	C IP Communications	
Port Number:	IP Address:	Search For Devices
COM1 Baudt	127 . 0 . 0 .	1 Devices
57600 -	Port Number:	
Data Bits:	3001	Reset & Devices
8 -	C Modern Communications	Reset Al Devices
Parity Bits:	Modem	
None *		-
Stop Bits:	Phone Namher-	
1 *	Private risarias.	
,	1	
		Mode:
		Modbus-RTU 💌
Device Address:	Transmission Delay (secs):	
1	0	
Retries:	Max Packet Size(bytes):	TROLL Link Password:
3	1024	
These settings represent the corr	puter configuration, not the device. For	example, if IP is used, the device
settings are still serial based. To o device setup tab and click the Mo	hange a device's serial/Modbus settings, dous Setup button.	, first connect and then go to the
		\sim



Win-Situ® 5		X
🕐 De Syn	vice time is not synchronized with the local : nc Now?	iystem.
	Yes	No

Choose Preferences > Com Settings from menu bar. Select Serial Communications radio button and then choose the correct Com Port. Click check mark button.

Click yellow connect button at bottom right of screen. Click **Yes** if prompted to sync device time with local system, or if prompted to update firmware.

Default communication settings



The following default communication settings are most common for In-Situ instruments:

- Baud: 19200
- Data bits: 8
- Parity bits: Even
- Stop Bits: 1
- Device Address: 1
- Mode: Modbus-RTU

Rebooting the Wireless TROLL Com



Follow the steps below if your Wireless TROLL Com doesn't respond while connected to a computer.



Disconnect the Wireless

power/charging source.

TROLL Com from a



Turn on the Wireless TROLL Com.



Hold the Power button

down until the bottom

and then turn off.

LEDs flash back and forth



Turn the Wireless TROLL Com back on and attempt to use.

Wireless TROLL Com Accessories

The Wireless TROLL Com may be used with the following accessories:





USB Cable or Charging cable

Twist-Lock cable (Wireless TROLL Com only)

Rugged TROLL cable (Wireless Rugged TROLL Com only)

Cleaning the Wireless TROLL Com



Clean the surface of the Wireless TROLL Com with a damp cloth and mild soap.



Do not clean the charging Clean dirty or corroded port.



connector pins with alcohol.



Make sure all parts are fully dry before use.





Read the safety information on this page before using your Wireless TROLL Com. If you have questions, contact In-Situ Technical Support for assistance.

- Do not use the Wireless TROLL Com in any manner not specified by the manufacturer. If the device is used in a manner not specified in this manual, the protection provided by the equipment may be impaired.
- Do not submerge the Wireless TROLL Com or your mobile device in liquid.
- Do not use the Wireless TROLL Com in temperatures beyond those specified in this document.
- The Wireless TROLL Com should only be charged indoors.
- The Wireless TROLL Com is not serviceable. Do not attempt to service or disassemble the unit.
- The Wireless TROLL Com is safe to use above 2000 m.

Specifications

Sensor	Temperature Barometric pressure		
Certifications	CE, FCC (SSSBC127-X), WEEE, UKCA		
Warranty	1 year		
Charging requirements	5 VDC USB charger (1 A or 500 mA)		
Battery type	3.6 V 2.9AH Lithium rechargeable cell (UBBL39-FL)		
Communication protocol	Android [®] : SPP Windows [®] : SPP or USB		
Output options	Bluetooth [®] , USB		
Environmental rating	IP67		
Materials	Polycarbonate / Acrylonitrile Butadiene Styrene blend, Silicon, Urethane, Stainless steel, Brass, Thermoplastic Vulcanizate, Polyurethane, Polyethylene, Acrylic Copolymer, Titanium, Polyetheretherketone, FKM Fluoroelastomer		
Weight	165 g (0.36 lb)		
Dimensions	16 x 4.3 x 3 cm (6.3 x 1.7 x 1.2 in.)		
Storage temperature	-20 to 50° C (-4 to 122° F); 95% relative humidity, non-condensing		
Operating temperature	-5 to 50° C (23 to 122° F); 95% relative humidity, non-condensing		

Sensor	Temperature	Barometric pressure
Accuracy	±2° C max	±3 mbar max
Range	-20 to 70° C (-4 to 158° F)	300 to 1100 mbar
Resolution	0.1° C	0.01 mbar
Sensor type	Fixed	Fixed
Response time	< 30 seconds	Instantaneous in thermal equilibrium
Units of measure	Celsius or Fahrenheit	psi, kPa, bar, mbar, mmHg, inHg, Torr, atm
Method	EPA 170.1	Piezoresistive

Manufacturer Information

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