

# Leica Zeno FLX100 plus Smart Antenna



Quick Guide  
Version 1.0.1  
English

- when it has to be right

**Leica**  
Geosystems



# 1 Important Information about your Instrument

---



Read and follow the User Manual from the myWorld web page before using the product. <https://myworld.leica-geosystems.com>

---



The User Manual is also stored in the internal memory of the FLX100 plus smart antenna. To locate it, establish a connection between a PC/Laptop and the FLX100 plus smart antenna using the USB cable.

---



Keep for future reference!

---

## Intended use

- Carrying out measurement tasks using various GNSS measuring techniques
  - Computing with software
  - Data communication with external appliances
  - Data transfer with Bluetooth®
  - Measuring coordinates
  - Measuring raw data and computing coordinates using carrier phase and code signal from GNSS satellites (GNSS systems)
  - Recording GNSS and point related data
  - Recording measurements
-



The product must not be disposed with household waste.

---

### For the AC/DC power supply and the battery charger:

#### **WARNING**

#### **Unauthorised opening of the product**

Either of the following actions may cause you to receive an electric shock:

- Touching live components
- Using the product after incorrect attempts were made to carry out repairs.

#### **Precautions:**

- ▶ Do not open the product!
  - ▶ Only Leica Geosystems authorised service centres are entitled to repair these products.
- 

#### **Trademarks**

- *Bluetooth®* is a registered trademark of Bluetooth SIG, Inc.

All other trademarks are the property of their respective owners.

---

---

## 1.1 Conformity to National Regulations

---

### EU



Hereby, Leica Geosystems AG declares that the radio equipment type FLX100 plus smart antenna is in compliance with Directive 2014/53/EU and other applicable European Directives. The full text of the EU declaration of conformity is available at the following Internet address: <http://www.leica-geosystems.com/ce>.

---

### USA

FCC ID: RFD-FLX100PLUS  
FCC Part 15

---

Changes or modifications not expressly approved by Leica Geosystems for compliance could void the user's authority to operate the equipment.

---

### Canada

CAN ICES-003 B/NMB-003 B  
IC: 3177A-FLX100PLUS

---

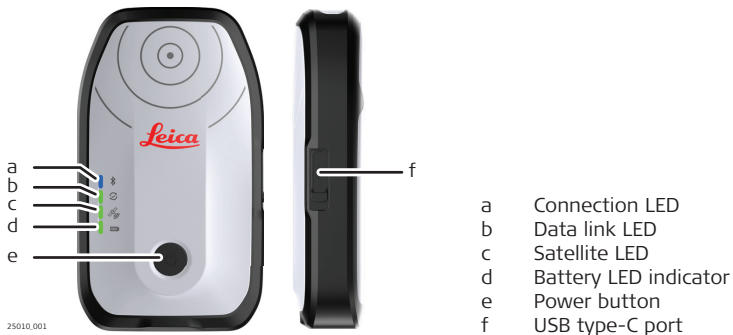
### Others

The conformity for countries with other national regulations has to be approved prior to use and operation.

---

## 1.2 Instrument Components

### Description



### Description



## 2

## Technical Data

## Power

Internal battery	3.8 V, 6120 mAh Type-C charging, supports 1.44 A fast charge
Input voltage	5 V DC/2 A
Working time	> 20 hours
Charge time	Typically 4 hours

## Environmental specifications

Type	Operating temperature [°C]	Storage temperature [°C]
Instrument	-40 to +65	-40 to +80
External influences		Protection
Water, dust and sand		IP67
Humidity		Up to 100% (non-condensing)
Shock resistance		Designed to endure to a 2 m pole drop and 1.2 m free drop on concrete floor with no damage

## 2.1

## Care and Transport

---

**Care and transport** Carry the product in its original container to protect the product against shock and vibration.

---

## 3

## Operation



The battery must be charged before using it for the first time.

**Turning on/off the instrument****Turn on:**

Press and hold the power button until all LEDs switch on. The device sounds a beep when ready for use.

**Turn off:**

Press and hold the power button until all LEDs switch off and the device sounds a long beep.



- a Power on/off button
- b Battery LED indicator



## 3.1 Connect the Receiver to the Device by Bluetooth

---

### Step-by-step

Follow these steps to connect the FLX100 plus smart antenna to the device by Bluetooth.

1. Open the Bluetooth settings on your device.
2. Search for your FLX100 plus smart antenna with its serial number.
3. Look up the target FLX100 plus smart antenna serial number on the back of the instrument.
4. Tap on the target FLX100 plus smart antenna serial number in the Bluetooth device list.
5. The FLX100 plus smart antenna is paired to your device.



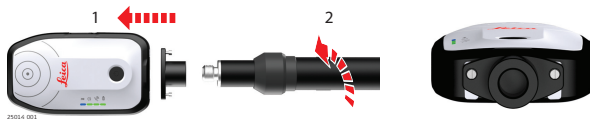
You are now ready to work with Zeno Connect or Zeno Mobile. Refer to the User Manual included in the internal memory of the device.


---

## 3.2 Attach the FLX100 plus Smart Antenna to the Pole

### Step-by-step

Follow these steps to connect the FLX100 plus smart antenna to the pole.



1. Use a slot screwdriver to fix the pole adapter with both screws to the FLX100 plus smart antenna.  
 Make sure to fix the adapter in the correct orientation.
2. Screw the pole clockwise into the adapter.



## 970070-1.0.1en

Original text (970070-1.0.1en)  
© 2024 Leica Geosystems AG

### Leica Geosystems AG

Heinrich-Wild-Strasse  
9435 Heerbrugg  
Switzerland

[www.leica-geosystems.com](http://www.leica-geosystems.com)



- when it has to be **right**

**Leica**  
Geosystems

