



User Manual

Smilio E



Welcome in the Smilio world.

Before starting your Smilio E, read carefully this user manual. It will help you to use your device in the best and most efficient way.

To install and ensure correct operation of your Smilio E, please read carefully and follow the instructions contained in this user manual.

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1. Legal Information

1.1. Right to make changes

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1.5. Trademarks

Notice: All referenced trademarks, product names, service names, and trademarks are the property of their respective owners.

1.6. Revision History

Date	Reference	Description	Author	Version
25 th August 2020	NU_001	Initial	C.S.	0.1

2. Package contents

- 6 Philips screws for Smilio S battery lid
- SMILIO E plastics enclosure with Epaper module
- Smilio E front side panel
- 4 Pozidrive screws to fix Smilio E front side panel
- 4 Secured stainless-steel screw cover caps

3. Requirements

- LPWAN network subscription (SIGFOX® or LoRa™) or Gateway
- LoRaWAN ID:
 - dev_uid
 - app_uid
 - app_key
 - dev_addr
 - nwk_skey
 - app_skey
- SIGFOX® ID:
 - sfx_id
 - sfx_pac
- Network LoRa™WAN and/or SIGFOX® coverage (the indoor and outdoor coverage can be different. Please check the real coverage).
- Phillips screwdriver.

NOTE: To obtain the LoRa/SIGFOX® IDs, please contact our technical support at support@skiplly.org .

4. Environment

- Operating temperature 0°C to +45°C
- Storage temperature -25°C to 60°C
- Relative humidity 0% to 80% (not condensing)
- Maximum altitude for operation: 2000 meters above sea level

5. Contact information

For more information and for sales office addresses, please visit:

<https://www.skiplly.eu/>

6. Assembly Guide

6.1. Parts and tools

- Check that all the parts are available:
 - Smilio E front side
 - Smilio E back side with Epaper module, batteries holder and batteries
 - 4 screw
 - 4 Secured stainless-steel screw cover cap
 - 1 small hex key to lock/secure the end caps
 - 1 Skiplly magnetic key
 - 1 Smilio S with batteries
- You need a Pozidrive PZ1 screwdriver.



6.2. Epaper module settings

If you start the Epaper module for the first time, or if you want to set time, date or language, please follow the steps below.

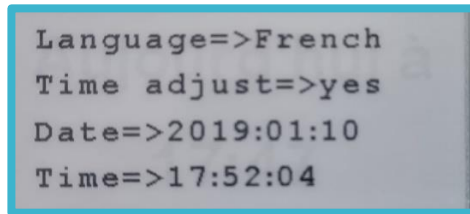
- Insert the 4 alkaline batteries in the holder. Wait. The Epaper module starts.
- Unscrew the 4 screw which fix the electronic board on the back side



- Return the electronic board to see the two setting push buttons

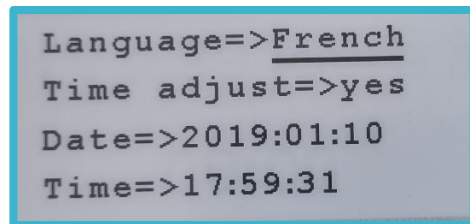


- Press the “Set/Val” push button to enter in the settings menu



```
Language=>French
Time adjust=>yes
Date=>2019:01:10
Time=>17:52:04
```

- Press the “Up” push button to select language and use the same button to change value



```
Language=>French
Time adjust=>yes
Date=>2019:01:10
Time=>17:59:31
```

- Press the “Set/Val” push button to select the next parameter and use the “Up” push button to change value.
- Repeat the same process for the other parameters.
- To quit the settings menu, wait 10 seconds or press the “Set/Val” push button.
- Replace the electronic board on the back side.
- Fix the electronic board with the four screws.

6.3. Assemble the Smilio E

- Check that your Smilio S is ready to use, and place it in the Smilio E back side plastic enclosure.



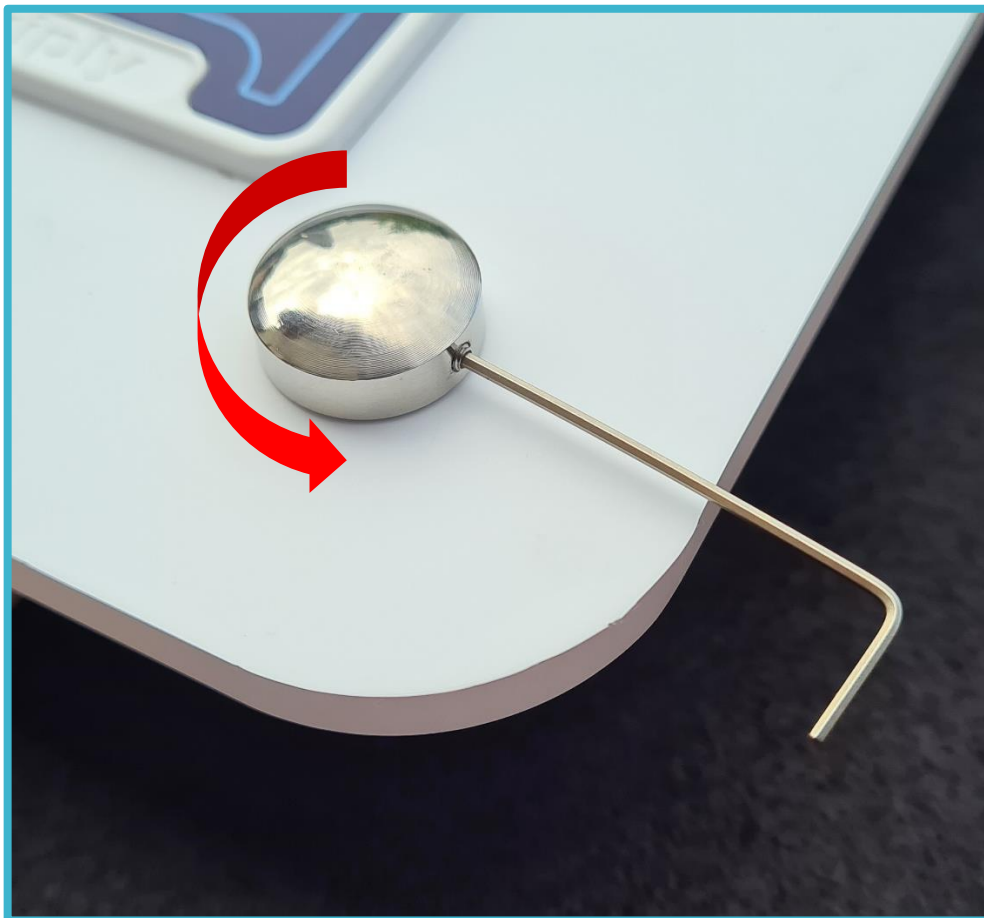
- Place the Smilio E front side on the bac side.
- Align the holes



- Use screw and end caps to fix the front side.



- Screw the end caps. **Caution: to screw the end caps, it's a left-hand thread. To screw, turn in the counterclockwise direction (red arrow).**
- Block the end caps with lateral screws and hex key.



- Your Smilio E is ready to use.

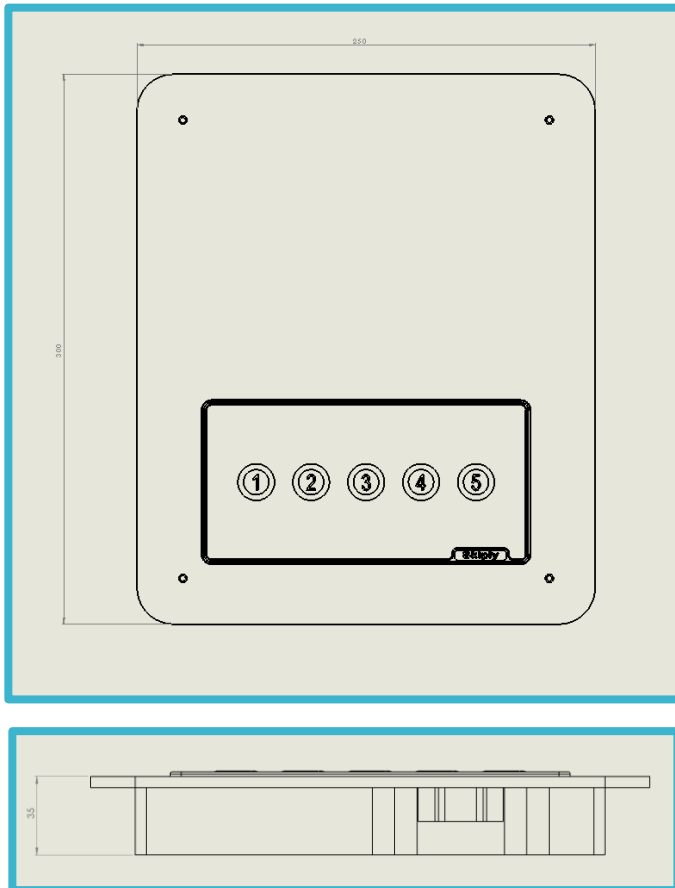


7. Update the Epaper Screen

To update/change the date, please insert the magnetic key in the hole at the bottom right on the edge of the Smilio E. The Epaper is update and the SMilio S send a payload starting with "03". Please refers to the Smilio S user manual (13.3. Hall effect sensor activation data frame).



8. Dimensions








Weight (with Smilio S and batteries)	~1900 grs
Dimensions (L x W x D) millimeters	300mm x 250mm x 35mm
Plastics	ABS (Acrylonitrile-Butadiene-Styrene Copolymer) Flammability: HB (IEC 60695-11-10; ANSI/UL 94) PE natural Polycarbonate

9. Safety recommendations

- Do not let Smilio E and Smilio S in direct sunlight for prolonged periods of time. Keep in a shaded area. Keep Smilio E and Smilio S away from extreme temperatures. Operating temperature range is -10°C to 45°C.
- Make sure Smilio E and Smilio S are perfectly dry before storage. Store in a clean dry area.
- Do not disassemble this product: this would void warranty. There are no user-serviceable parts inside.
- For long-term storage, remove all batteries.
- Batteries replacement must be done in a dry indoor environment.
- Batteries replacement must be done by a qualified technician.
- There is a risk of explosion if battery is replaced by incorrect type.

10. Symbols

	Caution risk of danger or Attention
	Follows operating instructions. See user manual supplied with this equipment
	Direct current
	The crossed-out wheeled-bin symbol on your product, battery, literature, or packaging reminds you that all electrical and electronic products, batteries, and accumulators must be taken to separate collection at the end of their working life. This requirement applies in the European Union. Do not dispose of these products as unsorted municipal waste.
	CE marking is a certification mark that indicates conformity with health, safety, and environmental protection standards for products sold within the European Economic Area (EEA). The CE marking is the manufacturer's declaration that the product meets the requirements of the applicable EC directives. CE marking certified that Smilio Action meets the minimum requirements of European directives 2014/35/UE and RED 2014/53/EU