



USER MANUAL

ADAPTER type LORA-S1







SONEL S.A.
Wokulskiego 11
58-100 Świdnica
Poland

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1 General information

1.1 Safety symbols

The following international symbols are used in the device and/or in this manual:

	Wireless communication via LORA interface		Declaration of Conformity with EU directives (<i>Conformité Européenne</i>)
	Do not dispose of with other household waste		Recycling information

1.2 Safety

- This device complies with the EU requirement (2014/53/EU Art. 3.1a) regarding the limitation of exposure of the general public to electromagnetic fields for the protection of health. The device should be connected and operated with a minimum distance between the antenna and a human body of at least 10 cm in order to maintain exposure levels within the allowable limits.
- Do not use the device in places where the use of wireless devices is prohibited.
- Keep the device away from water, fire, moisture and hot environments.
- The device should only be used with Sonel devices for which it is intended.
- The device should only be used with the provided antenna. The device must not be operated when connected to any other antenna.
- Do not disassemble, repair or modify the device. If the device does not work properly, contact the service centre.
- Additional information related to the application of the device is provided in the user manuals of those Sonel instruments that work with the device.



- Adapter intended for use in European Union countries.
- SONEL S.A. hereby declares that the radio device type LORA-S1 complies with Directive 2014/53/EU. The full text of the EU Declaration of Conformity is available at the following website address: <https://sonel.pl/en/download/declaration-of-conformity/>

2 Description

The LORA-S1 adapter enables wireless data transmission via the LoRa standard (P2P mode). It operates with selected Sonel measuring devices.

3 Cleaning and maintenance



NOTE!

Use only the maintenance methods specified by the manufacturer in this manual.

The casing may be cleaned with a soft, damp cloth using all-purpose detergents. Do not use any solvents or cleaning agents which might damage the casing (powders, pastes, etc.).

The electronic system does not require maintenance.

4 Storage

In the case of storage of the device, the following recommendations must be observed:

- clean the device and all its accessories thoroughly.

5 Dismantling and utilisation

Worn-out electric and electronic equipment should be gathered selectively, i.e. it must not be placed with waste of another kind.

Worn-out electronic equipment should be sent to a collection point in accordance with the regulations valid in a given region.

Before the equipment is sent to a collection point, do not dismantle any elements.

Observe local regulations concerning disposal of packages, waste batteries and rechargeable batteries.

6 Technical data

a)	ingress protection acc. to EN 60529	IP20
b)	wireless communication	
	▪ interface	LoRa P2P, EU868 MHz
	▪ range	up to 300 m
c)	effective isotropic radiated power (E.I.R.P.).....	11.4 dBm
d)	power supply	
	▪ power connection.....	USB port of the dedicated device
	▪ power supply parameters	5 V DC / 80 mA
e)	connections	
	▪ communication with a dedicated device and power supply	USB-A 2.0
	▪ antenna socket.....	SMA
f)	operating temperature	-10...+50°C
g)	storage temperature	-20...+70°C
h)	operating humidity	20%...90% without condensation
i)	storage humidity	10%...90% without condensation
j)	dimensions without antenna.....	84 x 23 x 14.6 mm
k)	weight without antenna.....	18 g

7 Standard accessories

The standard set of equipment supplied by the manufacturer includes:

- LORA-S1 type adapter,
- 2J Antennas antenna, model 2JW0315-868-C675B,
- user manual.

8 Manufacturer

The manufacturer of the device and provider of guarantee and post-guarantee service:

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tel. +48 74 884 10 53 (Customer Service)

e-mail: customerservice@sonel.com

web page: www.sonel.com



NOTE!

Service repairs must be performed only by the manufacturer.