Schlumberger

OED: User Manual

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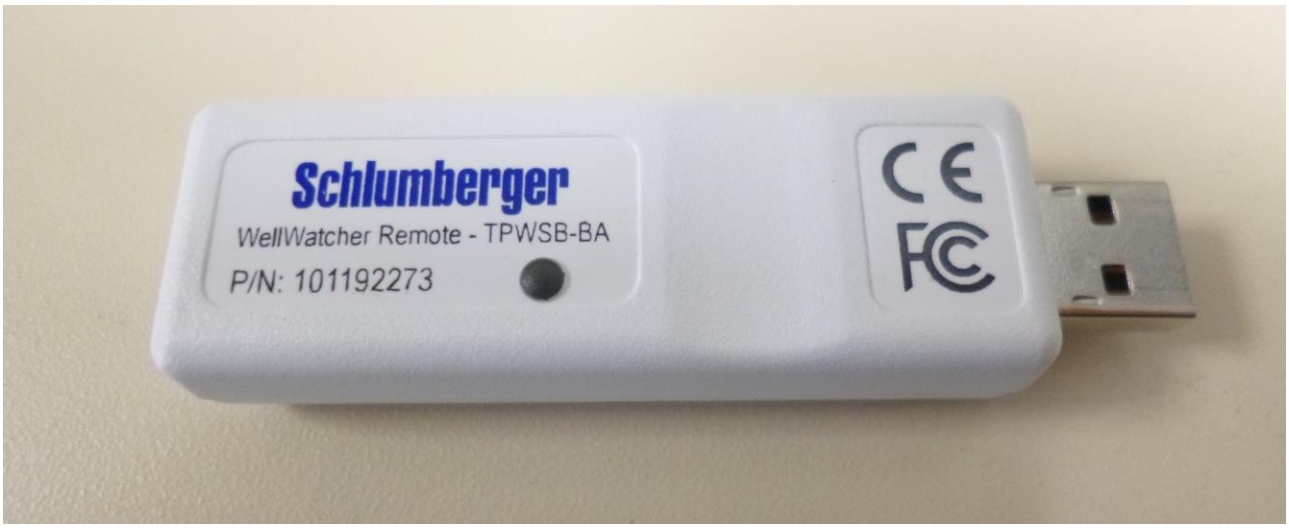
Private



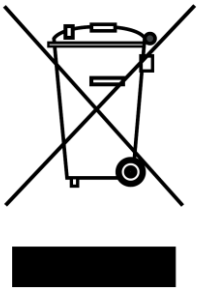
Legal Information

Document Revision History

Version	Date	Description	Prepared by
1.0	17/02/2016	Initial release	**Author**: Mathieu Dauphin

Regulatory Compliance

Waste Management



IMPORTANT INFORMATION FOR CORRECT DISPOSAL OF THE EQUIPMENT

This symbol means that the equipment cannot be discarded in a rubbish-bin. At its end of life, the equipment and/or its components must be treated, following Schlumberger Environmental procedures, in compliance with Schlumberger QHSE Policy and applicable laws and regulations on waste management.

Warning to users in the United States

Federal Communication Commission Interference Statement 47 CFR Section 15.105(b)

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

This device TPWSB-BA, OED complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

NO UNAUTHORIZED MODIFICATIONS
47 CFR Section 15.21

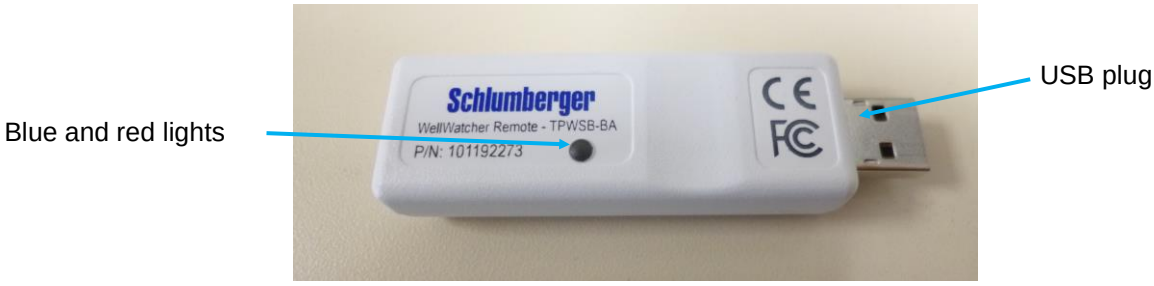
CAUTION: This equipment may not be modified, altered, or changed in any way without signed written permission from Schlumberger. Unauthorized modification may void the equipment authorization from the FCC and will void the Schlumberger warranty.

Table of Contents

1. Product Description

1.1. OED Description

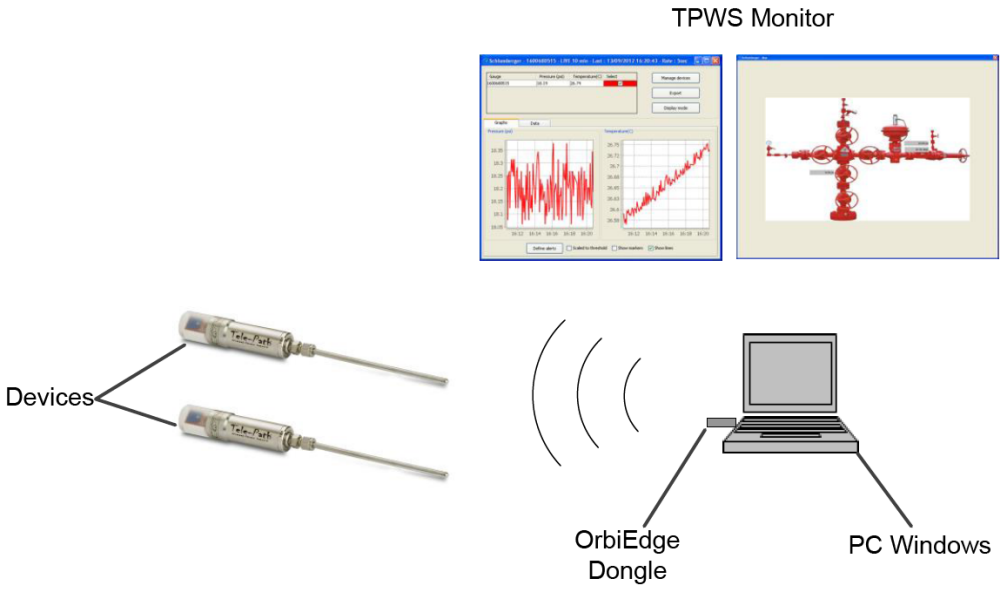
The OED is a RF USB Dongle interfacing wireless sensors to a software called TPWS Monitor.



OED - RF Dongle

Size 80 x 25 x 15 mm **Weight** 12 g **Material** ABS

1.2. System overview



TelePath Wireless System general description
Configuration with an OED plugged to a PC

2. Specification

This chapter contains the specification tables of the OED

Table 1 : Dimensional and Environmental Specification

Dimensions	Dimension	80 x 25 x 15 mm
	Weight	12 g
	Mounting	USB Male type A
Operating	Power Supply	USB (5V) Max 35mA
	Operating temperature	-20° to +70° C
	Storage temperature	-20° to +70° C
Operating environment	Maximum humidity	10 – 90 % without condensation

Table 2 : Communication Specification

Communication protocol	SRETT Proprietary CSMA-CA
Frequency	868 MHz ETSI EN 300-220 915 MHz FCC CRF part 15.249
Communication default rate	16 kbits/s
Maximum range	100 m in open space

Table 3 : Certifications

CE	CE compliant
FC	FCC Authorized

	RoHS compliant equipment
Electrical Safety	TBC
Country of Origin	Manufactured in France
	Place of manufacture: SRETT, France

3. Installation and Operation

This chapter contains the installation procedure of the OED

Plug the OED to a computer on a USB port.

When OED is plugged to a computer for the first time, both blue and red lights will blink fast, during a few seconds.
The installation of the drivers may take some time, but is done automatically (when TPWS Monitor is installed).

If the OED has already been plugged to the computer, both lights will blink once.

When the lights stops blinking, it means the device is ready to use.

During functioning, the blue light blinking indicates an incoming communication and the red light blinking indicates an outgoing communication.

Notes:

- It is not recommended to use a USB extension cable with an OED.
- For more information on TPWS Monitor please refer to 101203319_AB

4. Maintenance (or troubleshooting)

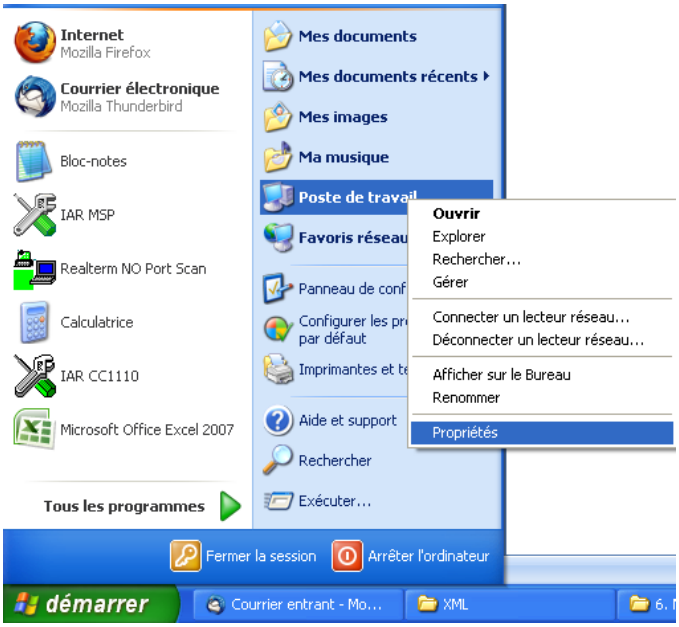
Symptoms	Potential causes	Potential remedial actions
No device detected or device data not updated	No more battery on the device	Change the sensor's battery
	Device out of range	Bring the device and the OED closer together

Dysfunction situations

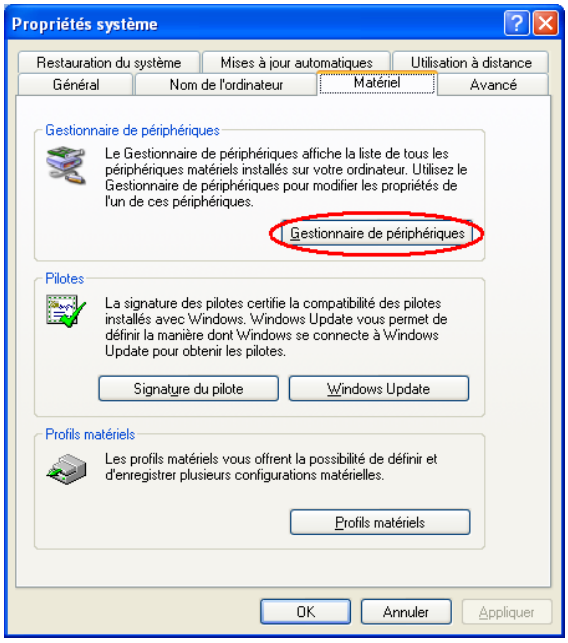
If any problem persists, contact InTouchSupport.com

If the problem "**No device detected or device data do not update**" persists when using an OED (USB Dongle), follow the following steps:

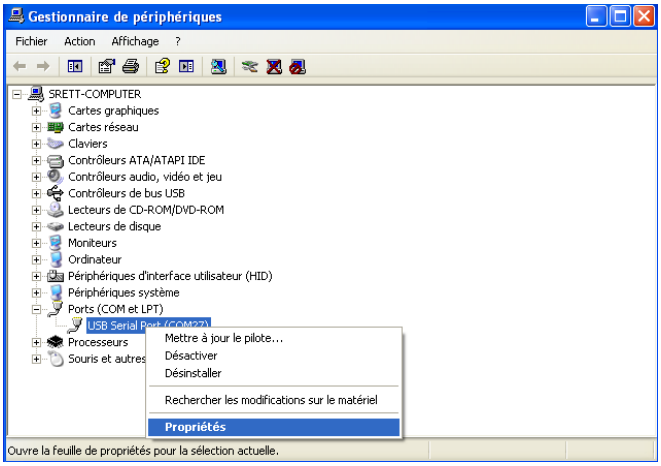
- Click Start > Right-click on My computer > Properties



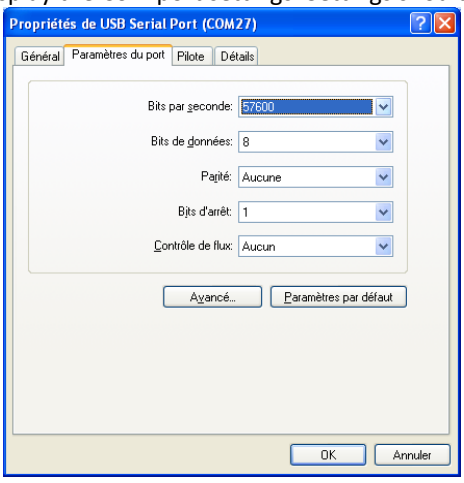
- In the tab materials, click on "Device Manager".



- In the "Device Manager" panel, click on the [+] symbol on *Ports (COM & LPT*) to expand.
- Right Click > Properties on "**USB Serial Port**"



- Click the "**Port Settings**" tab to display the Com port settings. Settings should be 57600, 8, None, 1, None.



- Click on “**Advanced**” and make sure that the “**Com Port Number**” is less than 30. Otherwise, choose a port number less than 30 and click on “Ok”.