



SOCOTEC

# How to check if my end-device is emitting?

## Network Server procedure – EXTERNAL

**Code** FE-007  
**Owner** IoT Department

### Versions

Version	Date	Auteur	Modification
V1.0	08/06/2023	AAU	Document Creation
V1.0	09/04/2024	MLM	Homogénéisation des documents
V1.1	17/12/2025	VDE	Mise à jour code et lien

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## 1. INTRODUCTION

This procedure aims to present the two different ways to check if an already-deployed device is emitting correctly. Orange Live Object and ChirpStack are both LoRaWAN Network Server. They provide a visualization of the messages sent by the registered end-devices with information about RSSI and SNR.

Their User Interface allow us to check if our deployed end-device works and emits well.

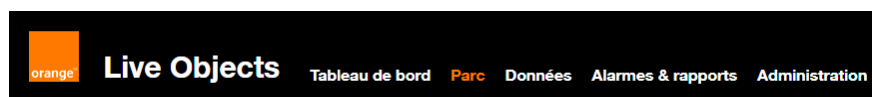
**If your device is registered on Orange Live Object, go to 2.1. section.**

**If your device is registered on ChirpStack, go to 2.2. section.**

## 2. END-DEVICE TRANSMISSION CHECK

### 2.1. With Orange Live Object

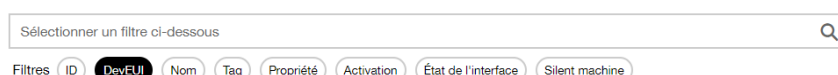
- Go to Orange Live Object platform: [<https://liveobjects.orange-business.com/#/login>]
- Ask to [iot-smf@socotec.com](mailto:iot-smf@socotec.com) for credentials.
- Go to "Parc" section.



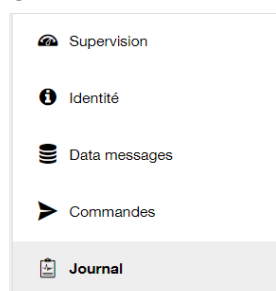
- Click on "Tous les équipements"



- Click on "DevEUI" filter and enter the complete DevEUI or part of it.



- Click on the device and go to "Journal" section.

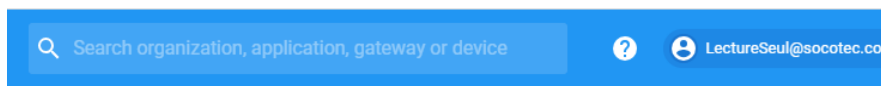


- You have access to the last messages sent by the end-device. By clicking on a message, you can access to the details of the frame (payload, RSSI, etc.)

Date	Niveau	Description	Description détaillée
09/06/2023 10:38:12	INFO	Uplink	Payload: 4620000039FD00000000
09/06/2023 10:18:12	INFO	Uplink	Payload: 4600000039FD00000000

### 2.2. With ChirpStack

- Go to SMF ChirpStack platform: [<http://54.74.137.23:8080/#/login>]
- Ask to [iot-smf@socotec.com](mailto:iot-smf@socotec.com) for credentials.
- Go to “Search” section.

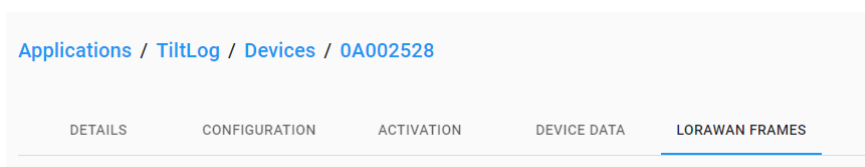


- Enter the complete DevEUI or part of it (you can also search by Serial Number).
- Click on the device’s name you found.

Kind	Name	ID
device	0A002528 organization: ChirpStack-FR0G, application: TiltLog	aaaa000001002528

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- Go to “LORAWAN FRAMES” section.



- You have access to the last messages sent by the end-device. By clicking on a message, you can access to the details of the frame (payload, RSSI, etc.)

Jun 09 11:01:08 AM	UnconfirmedDataDown	868.5 MHz	SF7	BW125	FPort: 0	FCnt: 5276	DevAddr: 0a002528	GW: ac1f09ffe0cd1f3
Jun 09 11:01:08 AM	UnconfirmedDataUp	868.5 MHz	SF7	BW125	FPort: 2	FCnt: 0	DevAddr: 0a002528	
Jun 09 10:41:06 AM	UnconfirmedDataDown	867.5 MHz	SF7	BW125	FPort: 0	FCnt: 5275	DevAddr: 0a002528	GW: ac1f09ffe0cd1f3