

QUICK START GUIDE

Field Test Device LoRaWAN 863-870



1 long press resets the counters to zero

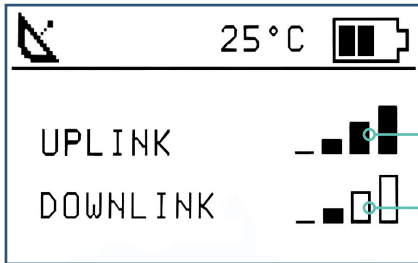


1 long press shows the configuration of the device

1 simultaneous long press on these buttons locks the main button and forces the periodic mode

Screens and features

«Simplified» screen



Indicator for uplink frame

Indicator for downlink frame

For uplink frame



No network or very weak signal, impossible installation.



Bad network, frame loss ratio over 10%, installation strongly discouraged by adeunis.

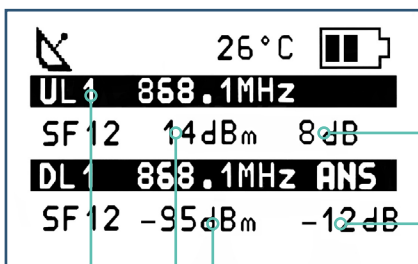


Good network, loss ratio below 10%, installation possible but transmitter autonomy not optimized.



Very good network, no or very low frame loss ratio, installation is possible with an optimized autonomy.

«Advanced» screen



SNR* of the uplink frame

SNR* of the downlink frame

RSSI* of the downlink frame

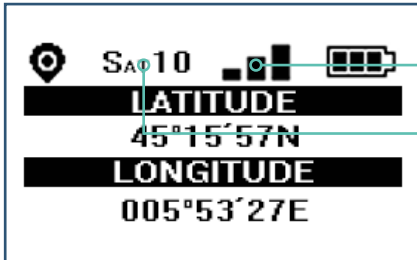
Power transmission

Repetition counters

*These values depend on the reception of the downlink, if it is not received then they are replaced by dashes.

Screens and features

GPS screen*

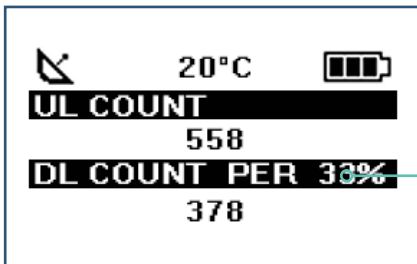


GPS signal quality

Number of received satellites

**If GPS is turned off then this screen does not appear.*

Counters screen

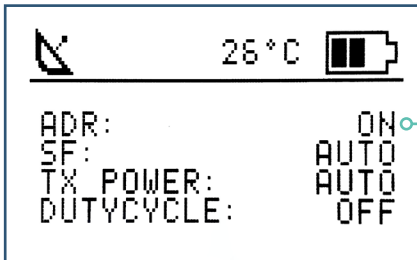


Packet Error Rate (%) : allows to evaluate the quality of the radio link with the network.



A low % value indicates a good connection.

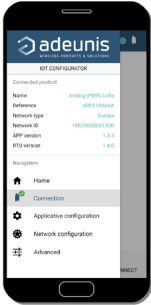
Configuration screen



If ADR OFF then the SF and Tx values set in the product* are displayed on this screen instead of "AUTO".

**These values can be modified by the user.*

Set up the FTD



Download the IoT Configurator to easily configure the FTD. . Application available on Windows 10 and android (released 5.0 and above).



<https://www.adeunis.com/en/downloads/>



<https://play.google.com/store/apps/details?id=com.adeunis.IoTConfiguratorApp>

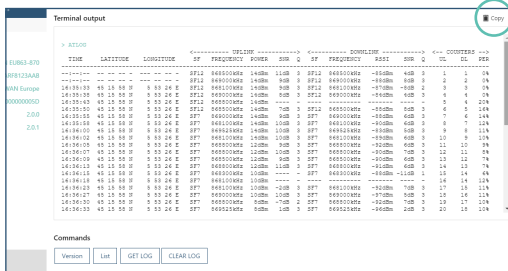
Connect the FTD to a PC or a smartphone via the micro USB and launch the application. By clicking on "Connect product" the application will automatically recognize the product.

Download logs

It is possible to download the last 100 FTD measurement points directly on a computer.

For each measurement point :

- the timestamp of the measurement was taken (accessible if GPS is activated and accessible)
- the GPS coordinates (idem)
- the SF, the frequency, the power transmission, the SNR and the score from 0 to 3 of the uplink
- the SF, the frequency, the RSSI, the SNR and the simplified score from 0 to 3 of the downlink
- the number of uplink, the number of downlink received and the Packet Error Rate in %.



To get these logs, go to the "Advanced" menu of the IoT Configurator and click on GET LOG. Once the data is fully loaded in the display window you can copy and paste it into a text or excel file.

NOTE: Dashes indicate missing data, blanks are data not provided

