

# RELEASE NOTES FOR FTD LoRAWAN868 APP FW 2.0.0 / RTU 2.0.2

## CONCERNED PRODUCTS

The following product already contains this FW version: **ARF8123AAH**

## SUMMARY

This version adds some important features:

- New “Simplified Screen” that enables to check quickly and easily the quality of the onsite network. This screen is now the main screen of the FTD.
- Add the radio link quality of the uplinks sent to the network.
- Add the possibility to download the last 100 measures of the Field Test Device directly on a computer or a smartphone through the IoT Configurator or AT commands.
- Restore the possibility to deactivate the ADR, to fix the SF and choose a value for the power transmission
- Add the possibility to activate an “Integrated antenna” mode that emulates the behavior of a device with a PCB antenna without deactivating the ADR.
- New screen to see the ongoing configuration of the device (see after how to access it).

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# CHANGES COMPARED WITH FW APP VERSION 1.1.2 (8123AAG)

## 1.1 In general

- New screen that displays the network quality with a 4 levels bar graph. This screen should help users that begin with LoRaWAN network and do not really know what is behind RSSI/SNR/SF values
- Based on Link margin, FTD displays now the uplink quality and its SNR value. Previously only downlink quality was displayed.
- New screen that displays main FTD settings (ADR, DUTYCYCLE, SF AUTO/MANUAL, TX POWER AUTO/MANUAL) by pressing for 2 seconds on the “screen” button.
- Possibility to deactivate main button by pressing 2 seconds on both buttons. In that case, the accelerometer is locked too and the FTD will send periodically uplinks based on register S380 value.
- New log mechanism: up to 100 measures may be stored in FTD. The user can export these measures with the IoT configurator. Measures are timestamped and localized (if GPS is ON).
- GPS screen is now displayed only if GPS is activated.
- Downlink payload screen has been removed.
- New way to inform that a downlink has not been received. In that case ‘---’ are displayed.
- Various minor bugfixes

## 1.2 Registers

- S360 (new) determines if accelerometer is activated or not (by default: off)
- S201 (new) determines Spreading Factor value to use when ADR is OFF
- S205 (new) determines the TX power to apply on uplink sending when ADR is OFF
- S231 (new) activates the “Integrated antenna” mode that is compatible with ADR mechanism. In that case downlink quality is not displayed. This register is OFF by default.
- S382: confirmed mode is now OFF by default.

You can find all the related information in the User Guide of the concerned product.

## 1.3 Uplinks

- No changes