



checkFox



Instant autonomous universal Sigfox coverage measurement device

- + Sigfox + GPS + GSM + accelerometer
- + velocity + temperature + graphical display
- + complete CheckFox dashboard + local logging

Always logging both to the local device memory and to the CheckFox dashboard:

- Measurement ID
- Time
- GPS position
- GPS strength
- Altitude
- Sigfox Geolocation position
- Sigfox strength (RSSI, SNR, repetitions, TAP ID)
- GSM strength
- Acceleration
- Orientation
- Velocity
- Temperature
- Battery voltage
- Timer
- Custom tags

General features

HARDWARE:

- Small water-resilient and dust-proof independent box
- Highly energy efficient, long lasting Li-Pol battery, rechargeable through USB-C
- 2200mAh (thousands of Sigfox test messages on a single battery charge)
- Highly readable, backlit, low power display
- GSM 2G/3G worldwide compatibility
- WiFi
- Beeper for acoustic notification
- Dimensions: 88 x 25 x 146 mm (W x H x D)
- Weight: 245g (without antenna), 252g (with lambda/4 antenna)

FIRMWARE:

- Assembly language programmed to be robust, quick, cheap and low power
- Over the air upgradable (OTA)

- Intuitive interface/no printed manual needed
- Format of data open and documented
- Encrypted data transmission
- Auto/timer switch off
- Data load configurable on the device
- GPS of last position can be used if no GPS position locked during measurement
- If no GSM present, data is logged and transferred once GSM is available

DASHBOARD:

- Organisation, branch, user, test run rights management
- Visualisation
- SSO, real cloud hosting/security/availability
- Remote management of Checkfox devices

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simple hw

simple things

User modes configurable on the device via CheckFox dashboard:

01_REFERENCE COVERAGE AND THIRD PARTY HW RADIO PERFORMANCE MEASUREMENT

- Ten messages, lambda/4 shift, number of base-stations, number of repetitions
- Direct and graphical comparison on dashboard with third party HW radio performance measurement with expanded statistical processing - just add the ID of the measured device

02_SIGFOX OPERATOR MODE

- Messages, ID and names of base-stations, RSSI, SNR, including total numbers and total repetitions displayed instantly at both Checkfox device and Checkfox dashboard
- Visualisation of the results on the web including distance calculation to base-stations
- Instant comparison (delta) with computed model
- Ability to compare and calculate immediately indoor/outdoor
- Sigfox geolocation logging and delta evaluation

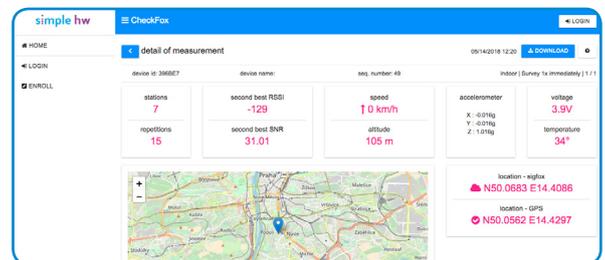
03_CHANNEL/PARTNER MODE

- Access to ID of base-stations, messages RSSI, SNR, repetitions including totals
- Instant comparison (delta) to computed model
- Ability to compare and calculate immediately indoor/outdoor

- Ability to add/upload photos from measurements to the CheckFox dashboard (Camera not included in this version :)

04_MEASURING WHILE DRIVING

- Measure each minute and automatically measure while stationary
- Velocity logging
- Visualisation and comparison with prediction model
- 05_End user/installer mode
- Excellent, Good, Border, Nothing (values configurable)
- Mode for 1 meter and ground level outdoor reference measurement before installation
- Configurable Self timer for in-cabinet measurement
- Manual tagging to distinguish types of measurement (Im, ground, place and/or outdoor/indoor)
- Forcible reference measurement to be sure the antenna is screwed properly



DASHBOARD COMPARISON:

1. Does the outdoor reference measurement match coverage prediction?
2. Does the device to be installed match the radio performance of reference device outdoor?
3. Is there a coverage at installation site and what is the attenuation
4. Does the installed device perform properly and is the attenuation the same as that of reference device?

Brought to you
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- Including 2 years of dashboard access
- additional 2 years for 50 EUR
- USB-C charger not included / Mini SIM card not included