



## Development Box for Sigfox™ with WISOL Module (Part No. Sigfox-DevBox-V01)

Data brief

### Description

The Sigfox Dev Box is an all-in-one development platform to learn and develop solutions based on Sigfox technologies. It comes with a Sigfox SDR Dongle for Sigfox Network Emulation, 2 Arduino based boards (Xkit & UnaShield) for testing & prototyping, and 8 Sigfox Verified Modules for building the first sample.

### Features

<p><b><u>Sigfox SDR Dongle</u></b> (<a href="https://build.sigfox.com/sdr-dongle">https://build.sigfox.com/sdr-dongle</a>)</p> <ul style="list-style-type: none"> <li>• The SDR Dongle is a Sigfox Network Emulator that allows developers to kickstart their Sigfox projects without network coverage. The device can also operate as a Radio Signal Analyzer for testing radio compliance with Sigfox Verified certification requirements</li> <li>• The SDR Dongle package contains:             <ul style="list-style-type: none"> <li>• 1 Sigfox SDR dongle with SMA connector for conducted radio testings</li> <li>• 1 SMA/SMA cable</li> <li>• 1 SMA/UFL cable</li> <li>• 1 attenuator (40dB)</li> </ul> </li> </ul>	
<p><b><u>Thinextra XKit</u></b> <a href="https://www.thinextra.com/xkit">https://www.thinextra.com/xkit</a></p> <ul style="list-style-type: none"> <li>• Complete kit comes with: Accelerometer 3-axis, Digital Temperature and Pressure Sensor, Reed Switch, Light Sensor, LEDs Red &amp; Blue, Push Button.</li> <li>• Included: USB Cable, Battery holder, Antenna, Arduino Uno R3, 1 year Sigfox connectivity.</li> <li>• Shield board is compatible with Arduino, Raspberry Pi, Microchip, STMicro Nucleo, PC &amp; Mac.</li> <li>• RCZ4 (Asia-ANZ).</li> </ul>	

## Unabiz – UnaShield

<https://unabiz.github.io/unashield/>

- UnaShield is an Arduino shield with a Sigfox ready module that is compatible with Arduino-based boards.
- UnaShield V1: Based on Sigfox module by Radiocrafts.
- UnaShield V2S: Based on Sigfox module by Wisol. Includes onboard sensors for temperature, humidity, air pressure, accelerometer and two Grove ports.
- Both are certified for RCZ4 (Singapore, Taiwan, Hong Kong, Australia, New Zealand).



## Wisol Sigfox Verified Modules

<http://support.wisol.co.kr/en/>

- 8 Wisol Sigfox Verified modules are provided with the Dev Box. This will help you to build your own very first PCBs integrating the Sigfox technology.
- The Wisol module package contains:
  - 4 x RCZ4 Module (WSSFM10R4)
  - 2 x RCZ2 Module (WSSFM10R2)
  - 2 x RCZ1 Module (WSSFM10R1)



## System requirements

- SDR Dongle: Windows® OS (XP, 7, 8, 10), Linux Ubuntu 16.04
- Arduino IDE for Xkit & UnaShield: Windows® OS (XP, 7, 8, 10), Linux or macOS™

## Out of box setup

- Please refer to <https://build.sigfox.com/devbox> for setting up your Dev Box

## Order Part Number

Part Number	Description
Sigfox-DevBox-V01	Sigfox Dev Box (Xkit & UnaShield) with Wisol Modules

## Revision history

Date	Revision	Changes
10/10/2017	1.0	Initial release