

# Adeunis-RF Starter Kits

## Wireless M-Bus / TWIMO RF / Bluetooth® NB169 - NB458 - NB868 Narrow band



The **ADEUNIS RF Starter Kit** is designed to help the user to **achieve his objectives** as quickly as possible.

The new generation of Adeunis RF starter kit consists on the addition of an **Adeunis extension board** (embedding a RF module from our range) and a **Raisonance Open4 platform**.

This package allows to compose a **powerful, compact** and **nomadic** tool. The color touch-sensitive screen allows a friendly access to the module parameters and to the numerous modes of tests.

### The Adeunis RF SK concept

The Adeunis RF Starter Kit meets three objectives :

**Evaluate the ADEUNIS RF products** : the user can transfer data from one Starter-Kit to another Starter Kit. This enables the user to quickly control the radio range of the modules and find out how well the Adeunis-RF products fit the intended application.

**Perform RF measurements** : through the Adeunis RF application software, running into the Open4 platform, the user can configure the radio module with custom parameters that suit the intended application and easily measure sensitivity, output power and other RF parameters.

**Follow the user**, from the development phases to the optimization of the on-site implementation of the finished product, through the dedicated test modes.

Using the Adeunis RF Starter kits thus allows to limit technological risks and **optimize the «time to market»** at very competitive prices.



### Technical specifications

#### Common test modes

- **USB**: allows to connect the Extension board to a PC through the Open4. Mainly used for Data Logging.

#### Specific test modes for TWIMO Starter Kit & NB169, NB458 & NB868 Starter Kits

- **TX/RX**: allows a conventional «send/receive» function.
- **Received level**: this mode allows to run a permanent test between two Starter Kits or one Starter Kit and an ADEUNIS RF module installed in another device. RSSI level and count of frames.
- **Scanner** : to verify the occupancy of a selected frequency (ideal for implementation on site).

#### Specific test modes for Wireless M-Bus Starter Kit

- **Standard**: behave as a «meter» or «other» (gateway).
- **Sniffer**: module scans permiter and receive index from any type of meters.
- **TX/RX**: allows a conventional «send/receive» function.

#### Specific test modes for BTC-Bluetooth® Starter Kit

- **Slave**: the SK operates to receive an inquiry from another Bluetooth® device.
- **Master** : the SK operates to send an inquiry to another Bluetooth® device (slave).

### References

ARF7868AA	Open4 Platform for Starter Kit
ARF7864AA	TWIMO HP868 Extension Pack
ARF7865AA	TWIMO MP868 Extension Pack
ARF7863AA	Wireless M-Bus Extension Pack
ARF7861AA	BTC1 Bluetooth® Extension Pack
ARF7862AA	BTC2 Bluetooth® Extension Pack
ARF7889AA	Narrow band NB169 Extension Pack
ARF7890AA	Narrow band NB458 Extension Pack
ARF7891AA	Narrow band NB868 Extension Pack