

REPEATER

Amplify the range of the Sigfox network locally.



- Amplify the coverage of the sigfox network in a given area.
- Uplink message repetition service (downlink not supported)



Additional features :

- Detection: Uplink (UL) continuous
- Data transmission: Repeat UL after detection
- White List (WL): up to 15 devices
- Detection range :
 - Up to 300 metres outdoors
 - Up to 50 metres indoors



Smart Building - Boiler room
Transmitters installed on meters in underground areas where network coverage is limited.



Smart City - Parking
Transmitters installed inside a car park where the basement, limit the range of the network.



Smart Industry - Rural Area
Transmitters installed in rural areas. At this point the sensors are at the limit of their range.

TECHNICAL SPECIFICATIONS



REPEATER ARF8168AA ÉTALON ARF8260AA REPEATER KIT ARF8169BA

Mechanical specifications

Weight	135 g
Dimensions	185 x 50 x 27 mm
Enclosure	IP67, EMERGE™ PC 8731HH grey resin (casing), EMERGE™ PC 8430-15 transparent resin (sole)
Mounting	DIN Rail, Tube, Wall, Collar

Operating conditions

Temperature	-25°C to +70°C
Humidity	0 to 85% RH (non-condensing)

Device Power Supply

Battery Type	1 connectorized double battery pack
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Device configuration

Local device configuration	Repeater App
Remote REPEATER configuration	Downlink via the network or via the KARE platform

Radio/Wireless

Supported regions	Sigfox RC1
RF transmit power	14 dBm (25 mW)
Sensitivity	-80 dBm Sigfox RC1

Regulations and certifications

Standard	Directive 2014/53/UE (RED)
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REPEATER KIT :

- Case x1
- Repeater ARF8168AA x2
- Calibration Transmitter ARF8260AA x1
- Magnet x1
- Micro USB Cable x1
- USB OTG Cable x1
- Micro USB OTG Cable x1
- Mounting Kit x2

