



ANY'R

GSM-R communication via android phones

Problem description

GSM-R systems locked behind costly, outdated hardware

GSM-R (Global System for Mobile Communications – Railway) is the standard for secure railway communication across Europe and other major networks. However, only certified railway phones (OPH) can access it – these are costly, bulky, and less user-friendly than modern mobile devices.

Railway personnel often carry two phones: one for GSM-R communication and another for regular use. This creates inefficiencies and increases both equipment costs and complexity. Off-the-shelf smartphones are incompatible with GSM-R, making direct integration impossible.

Solution description

GSM-R access without expensive specialized devices

ANY'R is a compact, intuitive gateway that connects Android smartphones to the GSM-R communication network – eliminating the need for bulky railway-specific phones.

With just two push buttons (on/off and Bluetooth pairing) and a multicolored LED display, the ANY'R box simplifies GSM-R connectivity. Once paired via Bluetooth, the Android device can launch secure GSM-R calls through the gateway. Users select GSM or GSM-R networks via a dedicated app interface, while real-time gateway status is indicated through light patterns.

The box is self-powered with an integrated battery that delivers up to 8 hours of GSM-R usage, and it's IP66-rated for harsh environments. Its compact design makes it ideal for mobile teams, maintenance crews, and railway personnel in the field.

ANY'R redefines GSM-R access – offering a practical, user-friendly, and cost-efficient communication tool for modern rail operations.

How it works

Main Features

- › Enables GSM-R calls via Android smartphones
- › Connects through Bluetooth with a simple pairing process
- › IP66-rated, compact, and ruggedized for field use
- › Intuitive LED-based status feedback (color-coded)
- › Integrated rechargeable battery for 8-hour autonomy
- › Easily switches between GSM and GSM-R networks

Hardware

ANY'R is a robust, lightweight device (200 g) that acts as a Bluetooth bridge between Android smartphones and the GSM-R network. It uses a mini SIM (2FF) and offers 8 hours of active GSM-R communication on a single charge, recharged via USB-C.

Built for demanding railway environments, it's IP66-rated, operates from -20°C to +50°C, and meets IK04 mechanical resistance standards. Its minimalist interface features two push buttons – for power and Bluetooth pairing – and a multicolor LED zone that indicates current status, operating mode, and connectivity state.

The Android app complements the hardware, displaying network selection (GSM or GSM-R), real-time connection status, and a clean activity display for ease of use. Together, the app and hardware provide seamless, secure voice communication without compromising user experience or performance.

ANY'R is ideal for mobile maintenance units and rail field workers requiring GSM-R access without legacy equipment.





ANY'R

GSM-R communication via android phones

The application sidebar

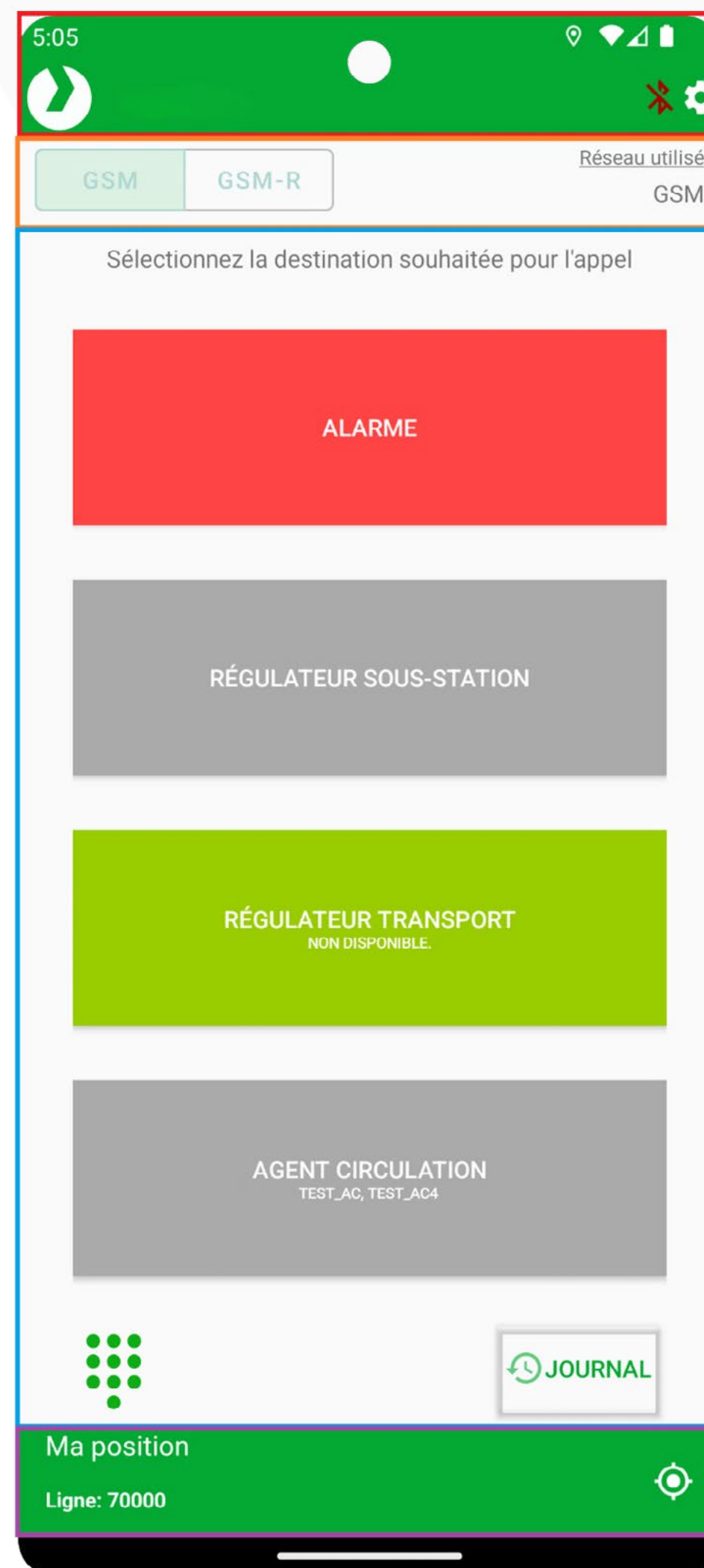
This shows the name of the current activity, pictograms representing the status of the gateway and a button for returning to the ANY'R screen.

The network selection sidebar

This is used to select the network (GSM or GSM-R) used to launch a call. When the GSM-R button is pressed, the connection screen is displayed.

The current activity

The position Sidebar



Dimensions	100 × 72 × 35 mm
Weight	200 g
SIM Card	Mini SIM / 2FF
Autonomy	8 hours (GSM-R communication)
Operating Temp	-20°C to +50°C
Protection Rating	IP66
Mechanical Resistance	IK04
Power Supply	USB-C / Integrated Battery
User Interface	2 push buttons, 1 multicolor LED zone
Connectivity	Bluetooth pairing with Android smartphones
Network Selection	GSM / GSM-R via app UI