# FOCX 2

# INTERFERENCE-RESISTANT GSM-R HANDHELD
## HIGHLIGHTS AND TECHNICAL INFORMATION

Traditional. Innovative. SOLUTONS.

**funkwerk))**

# FOCX2

The **focX®2** GSM-R handheld marks the latest generation of our focX® product range and is a terminal device for professional and mobile communication applications in the railway sector.

It fulfills the European requirements for the use of handheld radios and is the first device worldwide with integrated filters to fulfill the immunity requirements of TS 102-933, v2.1.1.
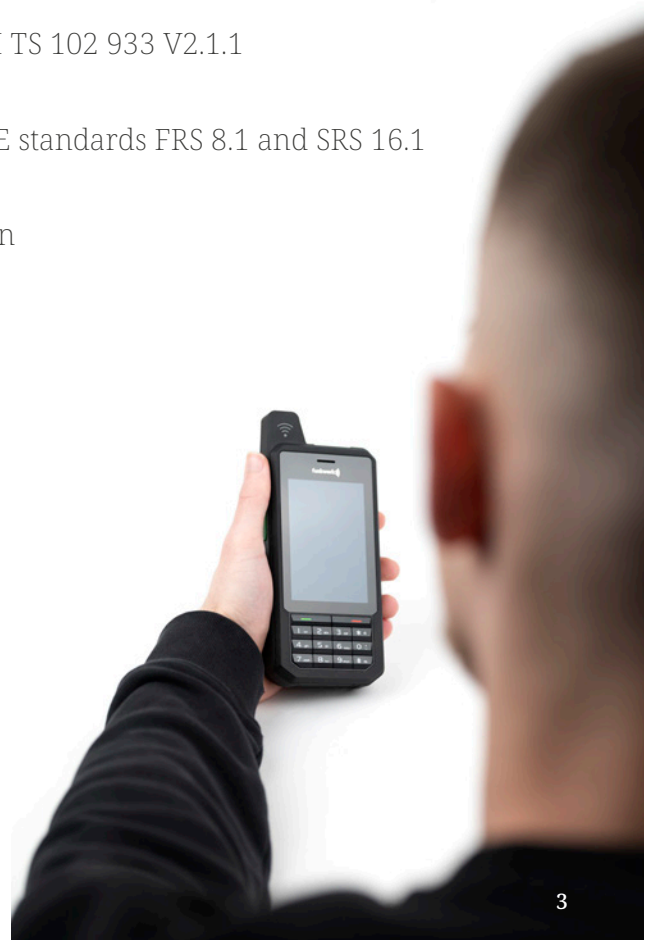
In addition to the intuitive menu navigation, the interference immunity ensures safe and smooth communication in the GSM-R area.

The **focX®2** is equipped with a GSM-R radio module, which ensures communication in the railway radio network. In addition, interfaces for public networks (2G/3G/4G), WLAN and Bluetooth are available and can be used in the future.

With a transmission power of 2 watts, the **focX®2** is operated in GSM-R mode and meets the requirements of the EIRENE standards FRS 8.1 and SRS 16.1.

# HIGHLIGHTS

▶ Android operating system

▶ security updates

▶ excellent protection against HF interference

▶ fulfils requirements according to ETSI TS 102 933 V2.1.1

▶ meets the requirements of the EIRENE standards FRS 8.1 and SRS 16.1

▶ PTT function with separate PTT button

▶ separate emergency call button

▶ touchscreen with physical keyboard

▶ exchangable battery

▶ extremely robust design

# TECHNICAL DATA

## DIMENSIONS & WEIGHT

| | |
|---|---|
| HEIGHT | 147,5 mm |
| WIDTH | 72,2 mm |
| DEPTH | 35 mm |
| WEIGHT | ca. 342 g |

## RADIO CHARACTERISTICS

| | | |
|---|---|---|
| FREQUENCY BANDS | 2G/GSM/GSM-R | ER-GSM/GSM 900/E-GSM 900/DCS 1800 |
| | 3G/WCDM* | B1/B2/B5/B8 |
| | 4G/LTE* | B1/B3/B5/B7/B8/B20/B28/B34/B38/B39/B40/B41/B42 |
| TRANSMISSION POWER | 2 W ± 2 dB (GSM/GSM-R), 1 W ± 2 dB (DCS 1800), 250 mW (3G/WCDM), 200 mW (4G/LTE) | |

## ENVIRONMENTAL CONDITIONS

| | |
|---|---|
| OPERATING TEMPERATURE | -25°C bis +55°C |
| STORAGE TEMPERATURE | -40°C bis +70°C |
| PROTECTION CLASS | IP68 (dustproof, permanently waterproof up to a depth of 1.50 m for a maximum of 30 minutes) |
| CHEMICAL RESISTANCE | against the effects of brake fluid, engine and transmission oil |

## HARDWARE

| | |
|---|---|
| DISPLAY | 3,55" color display, 320 x 480 pixel (HVGA) |
| AUDIO | 1 microphone, 2 speakers |
| BATTERY | 5.500 mAh Lithium-ion battery (replaceable) |
| OPERATING SYSTEM | Android |
| MEMORY (RAM) | 3 GB |
| MEMORY (ROM) | 24 GB |
| PROCESSOR | 4-Core CPU |
| CHIPSET (2G/3G/4G) | Mediatek Helio A22 MT6761 |

## EXTRAS & FEATURES

| | | |
|---|---|---|
| EXTRAS | automatic band switching | GSM ASCI applikation (phase 2+) |
| | GSM-R applikation shunting mode* | GPS / GLONASS / GALILEO / Beidou |
| FUNCTIONAL FEATURES | can be operated with gloves | 13 MP camera |
| | PTT button left side | WiFi standards a/b/g/n/ac |
| | slot for micro-SD card | HF monitor |
| | speed dialing register | SMS |
| | automatic redialing | dual SIM |
| | optional tilt sensor | configuration cloning |
| | LAS button left side | specific emergency call button |
| | touch display | |
| | distance sensor, accelerometer, light sensor, magnetic sensor | |
| | configuration and software update via external interface | |

* in zukünftiger Softwareversion verfügbar

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