

**FOCX<sup>2</sup>**



# INTERFERENCE-RESISTANT GSM-R HANDHELD

## HIGHLIGHTS AND TECHNICAL INFORMATION

Traditional. Innovative. SOLUTIONS.



# FOCX<sup>2</sup>



The **focX<sup>2</sup>** GSM-R handheld marks the latest generation of our focX<sup>®</sup> 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.

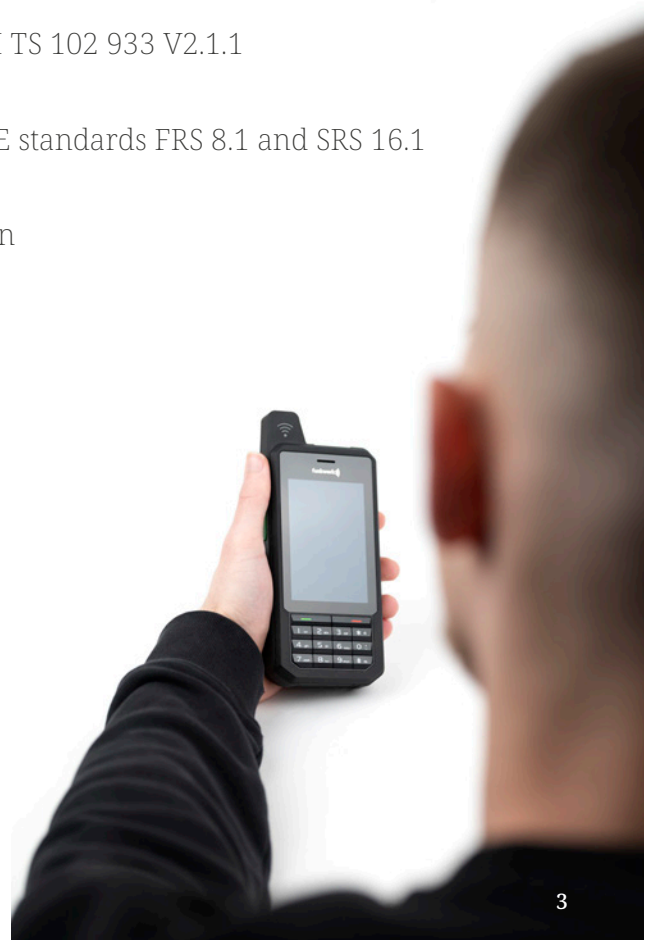
In addition to the intuitive menu navigation, the interference immunity ensures safe and smooth communication in the GSM-R area.

The **focX<sup>2</sup>** 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<sup>2</sup>** 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
- ▶ exchangeable 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 $\pm$ 2 dB (GSM/GSM-R), 1 W $\pm$ 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

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## 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

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## EXTRAS & FEATURES

EXTRAS	automatic band switching	GSM ASCII 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
	Bluetooth 5 BLE	LAS button left side
	specific emergency call button	touch display
	distance sensor, accelerometer, light sensor, magnetic sensor	
	configuration and software update via external interface	





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