



f.locx®

## Mobile GSM-R Modem

### f.locx®

The f.locx® is a mobile battery powered GSM-R modem with Bluetooth interface and status indicators.

The modem is connected to mobile devices via Bluetooth 4.1 and is designed for use in GSM-R networks. It can handle voice, SMS, as well as data transfer applications.

The f.locx® is controlled by apps which are installed on standard Android smartphones or tablets.

The combination of Funkwerk's GSM-R Telephony app and the f.locx® GSM-R modem provides GSM-R specific functions of EIRENE devices classes GPH and OPH. Other apps enable the f.locx® to transfer data via the GSM-R network.

The f.locx® allows the user to utilise the safe transmission in the GSM-R networks independent from the type of the smartphone. Due to the support of Android the f.locx® is usable by the multitude of smartphone users and with many devices.



Funkwerk GSM-R Telephony App



## Technical Data

Radio Characteristics		Dimensions & Weight	
Power supply	Lithium-ion battery 3,8 V / 2600 mAh	Height	108 mm
Operating time	according to EIRENE SRS	Width	68 mm
Frequency bands	GSM-R, ER-GSM, GSM 900, E-GSM 900, DCS 1800	Depth	23 mm
Transmitting power	2 W (GSM / GSM-R), 1 W (DCS 1800)	Weight (incl. battery)	180 g
Data transmission	GPRS class 10		
Modulation type	GMSK		
Channel width	200 kHz		
Environmental Characteristics			
Operating temperature	0 °C to 45 °C		
Storage temperature	-20 °C to 55 °C		
Protection class	IP 20 according to DIN EN 60529		
EMC	according to DIN EN 50121-4, DIN EN 50121-3-2, DIN EN 50081-2		
Vibrations / shocks	according to DIN EN 61373		
Device security	according to DIN EN 60950-1		
Interfaces			
Service / charging	Micro USB		
Connection	Bluetooth 4.1 class 2		
Miscellaneous			
Signalling	3 color LED (green, yellow, red) for status signals blue LED for Bluetooth connection		
Operational elements	button ON/OFF and pairing Bluetooth, emergency button		
Charging	via USB or via wireless Power according Qi standard		
Software update	via USB or Bluetooth		
Type of SIM card	Mini SIM		
Device support / display	Display size: Smartphone from 4" and Tablet from 7" Display resolution: from 800 x 480, recommended 1.280 x 768 or higher		
App support	Android 5.0 and higher		
Scope of delivery	f.locX, power supply, USB data cable		
Accessory (optional)	Protective covers with IP54		
Extras			
OTA - SIM upgrade support	automatic		
SMS	Belt clip		

