



# P8GR Active TETRA Pager

Maximise the benefit of TETRA

The P8GR TETRA Pager brings the full benefit of TETRA networks for secure 2-way personnel alerting. P8GR offers excellent coverage for public safety organizations with compact design and an internal antenna.

Standardized call-out protocol according to TETRA inter-operability profile makes P8GR an ideal tool for alerting both professional and volunteer workforce. In addition to call-out text and status messages can be received with P8GR in a same way than with any other TETRA device.

P8GR supports both individual and group addressed messaging. Unique sub-addressing concept allows organisations to use only one alerting talkgroup. With sub-addresses P8GR can filter out the alarms that are not intended to the recipient.

Versatile configuration possibilities with Taqto®2 terminal management solution allow large scale terminal deployments for user organisations with varying requirements. With USB connection, the terminal configuration and firmware updating can be performed effectively, regardless of location.

Smart home station keeps the P8GR charged when the user is at work or home. Home station can be equipped with compact antenna or alternatively with outdoor antenna to ensure the connectivity in more challenging indoor locations. Furthermore the connectivity for additional alarming peripherals allow the messages reach their recipients without delay. Thanks to USB charging and data (PEI) connection P8GR can also be used as cost-effective modem in both temporary and fixed installations.

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# P8GR – For everyday heroes

## TETRA Features

- Frequency band 380 – 430 MHz (TMO and DMO)
- EN300392-2 compliant, power class 4, receiver class A
- Graceful service degradation mode support (GSDM)

## Hardware Characteristics

- Size 98x60x22 mm
- Weight 145 g
- Efficient internal antenna
- High contrast monochrome display
- Multicolor LED indicator
- Back lighted keypad and display
- Micro-USB connector for charging and data
- Operating temperature range -20°C to +55 °C
- Dust and waterproof classification IP54
- Shock proof 1.5 m free fall

## Messaging Features

- Call-out messaging according to TIP Part 21
- SDS Text messaging with multipart support: receiving
- Flash messages: receiving
- Status messaging: receiving
- Sending of situation indicators to a predefined address
- Call-out user response to a predefined address
- Sending of availability status to predefined address
- Unit alert (selective alert) receiving

## Call-out features

- Full and Simple call-out
- Whitelisting of allowed senders
- 4 configurable user profiles
- Call-out sub-addressing

## Service Menu

- Device and subscriber information
- Real-time network data
- 7 days of usage data stored

## Other Software Features

- 4 configurable user profiles
- Configurable alarming schemes by using tones, display, LED and vibration
- Easy one key alarm acknowledgement
- Alarm Clock
- Remote Control Protocol
- Energy economy

## Group communication

- Up to 32 talk groups
- Dynamic Group Number Assignment (DGNA), up to 200 DGNA groups

## Direct mode features

- 1 fixed DMO channel
- 3 DMO groups
- Support for DMO repeater types 1A and 1B
- Scanning
- DMO SCK encryption, encryption classes 2A, 2B and 2C
- DMO status messages: sending and receiving
- DMO SDS messages: receiving

## Security

- Authentication and Mutual authentication
- Air Interface Encryption (AIE) security classes:
  - Class 1: Clear
  - Class 2: SCK
  - Class 3: DCK/CCK
  - BDBOS Security Card support
- Device Code (PIN)
- Security code for service menu
- Temporary disable/enable (Stun)
- Permanent disable (Kill)
- Transmission barring (Tx inhibit)

## Home Station

- Charging of pager
- External antenna coverage
- Relay output for controlling external alarm devices
- USB A output for controlling external alarm devices

## Accessories

### Power

- Premium Battery BLN-10, Li-ion 1590 mAh, up to 50 hours standby time
- Heavy Duty Battery BLN-11, Li-ion 3180 mAh, up to 100 hours standby time
- AC Charger 1000 mA, charging time 2-3 hours
- 12/24V DC Charger
- 1m Micro USB Cable

### Carrying

- Belt clip
- Belt carrying case
- Wrist strap

### Home Station accessories

- ¼-wave antenna
- Wide range of outdoor antennas
- AC Charger 1000 mA with USB cable
- USB LED light



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