



Birdy 3G



POCSAG pager with acknowledgement - 128 RICs

Acknowledgement, availability, SOS, 2-way messaging, geofencing make the BIRDY 3G pager the most complete POCSAG / GSM pager on the market.

The **BIRDY 3G** is a POCSAG and GSM pager designed and manufactured by **TPL Sys-tèmes** for the firefighter market.

Originally released in 2009 as an 8 RIC POCSAG pager, the **BIRDY 3G** is an enhanced version integrating 128 RICs, a multi-color backlighting feature for allocating color to a RIC, and a GSM modem compatible with 2G and 3G mobile networks.

The **BIRDY 3G** has been designed for use in harsh conditions. Its reinforced construction results in a protection level that resists dust, unavoidable field operation incidents, and accidental submersion in water of up to 1 meter in depth.

The **BIRDY 3G** is made of robust mechanical and electronic materials, allowing the pager to reliably perform in various environmental situations.

The synthesized **BIRDY 3G** is available in more than 15 frequency bands (VHF and UHF).

The **BIRDY 3G** integrates a 2G/3G GSM module enabling automatic acknowledgement when a POCSAG message is received, and confirmation by the user that the operation has been taken into account.

Moreover, the **BIRDY 3G** can receive messages sent by a GSM operating network either in M2M mode or in SMS.

The GPS module enabling the localization of the **BIRDY 3G** can be enabled or disabled at the programming stage. The user can also disable the feature at any time.

The **BIRDY 3G** integrates a « DISPOBIP » availability tracking module, linked to the alert system for checking or changing one's availability status.

The **BIRDY 3G** can be easily integrated into an alert system due to its alert software « BIRDY III gateway » that complies with *NF Logiciel sécurité civile* standards.

The **BIRDY 3G** has the capability to send a geo-localized SOS as well as the PTI alarm (verticality and movement detection loss).



FEATURES

Messaging specifications

- 128 RICs, with 4 sub-addresses for each RIC
- Ability to set each RIC with a pre-defined message, specific ring tone, backlighting color, etc.
- Memory of 20 messages, 256 characters each, accessible by the user. 64 additional messages accessible by a PC for a total of 84 messages
- Capability to edit all messages with date and time stamps in memory by using the programming software.
- 21 alert ring tones—unread messages alerts
- Vibrator only / Vibrator and ring tone / Vibrator and then ring tone
- Low battery alarm
- LCD display up to 5 lines of 20 characters, RGB multi-color backlighting
- «Out of Range» for out of coverage alarm
- Partial over-the-air programming (OTA)

General specifications

- Li-ion 3.7V / 1300 mA battery
- Battery life
 - GSM mode —permanent 2G/3G: 80 hr (w/o GPS) , 60 hr (w/ GPS)
 - POCSAG only mode: 520 hr
- Languages: French, English, German, Spanish, Dutch, Italian, Danish, Slovenian
- Weight: 120 grams (with battery)
- Dimensions : 3.7 x 2.3 x 0.8 inches (94.0 x 59.0 x 21.5 mm)
- Operating temperature and humidity from -20°C to 60°C, 95% @ 40°C
- Storage temperature and humidity from 20°C to 70°C, 95% @ 40°C
- Alarm signal : >86 dBA @ 30 cm, frequency 2731Hz

POCSAG specifications

- Frequency: all frequencies in VHF, UHF upon request
- Channel spacing: 12.5 / 20 / 25 kHz
- System modulation: NRZ - Frequency deviation: ±4.5 kHz (25 kHz)
- Transmission speed: 512 bps, 1200 bps or 2400 bps
- Reception sensitivity at 1200 bps: 3 uV/m
- Selectivity: 65dB (±25 kHz)— Intermodulation protection : >65 dB
- Stability in frequency: ±10 ppm

2G / 3G GSM specifications

- Quad-band GSM / GPRS / EDGE : 850, 900, 1800, 1900 MHz
- Hexa-band UMTS WCDMA FDD (800 MHz (B19), 850 MHz (B5/B6), 900 MHz (B8), 1900 MHz (B2), 2100 MHz (B1))
- Emission power GSM/GPRS/EDGE: 2W—869/960; 1W—1805/1990
- UMTS emission power : +23 dBm
- PDU and SMS modes supported
- SIM card located under battery

GPS specifications

- High sensitivity GPS: -165 dBm @Tracking, -148 dBm @Acquisition
- Cold start : <35 seconds - Hot start : <1 second
- GPS 66 channels - GPS gain (Antenna + LNA) = 17 dB

ACCESSORIES RANGE



Holster



Desktop charger



Programmer



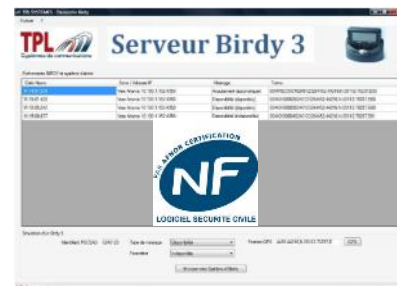
Nylon or leather vertical holster



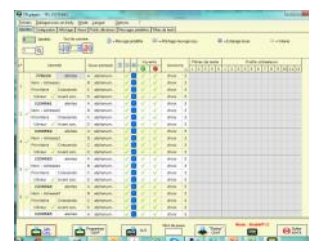
Lanyard



Leather horizontal holster



TIAS gateway
« NF logiciel sécurité civile » complying



USB customization software

