TPL
Systèmes de communications

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Birdy Slim

Birdy Slim, the new generation pager

Birdy Slim is a small and light, but extremely RUGGED pager. More than a POCSAG receiver, Birdy Slim also integrates an innovative POCSAG transmitter.

The **Birdy Slim** is a POCSAG pager designed and manufactured by **TPL Sys-tèmes** to be used in environments and situations where a small and light paging device is desired.

Based on a brand new electronic architecture both in logic and radio, the **Birdy Slim** integrates the latest components available on the market.

Smaller than a mobile phone, it can be held in your hand and is very easy to carry in a pocket or on a belt.
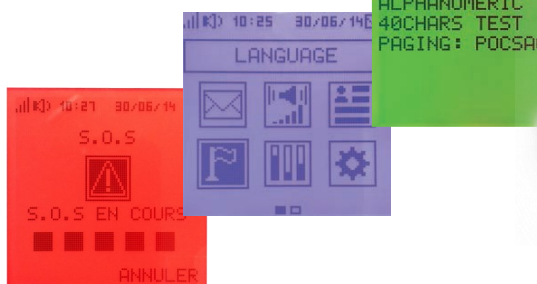
Despite its lightness, the **Birdy Slim** is a rugged paging device offering high performance features: rugged case, IP 67 protection rating, RFID tag inside, and a large display with color backlight.

The **Birdy Slim** is a 128 RIC pager, available in many frequency ranges, is synthesized, and operational in POCSAG networks.

The **Birdy Slim** is also able to transmit POCSAG messages through a centralization receiver (optional). This enables the pager to send messages such as acknowledgement receipt, PTI functionality … etc.

Every **Birdy Slim** is bundled with a desktop charger that features a very compact and functional design.

The **Birdy Slim** is also equipped with a high luminosity flashing LED light, to alert the user that an alarm is being received.

FEATURES

Message service features

- Receiver addresses: up to 128 numeric and/or alphanumeric addresses
- Possibility of 4 sub-addresses by address with pre-fixed message
- Memory (maximum number of messages) up to 20 messages of 256 characters each by user and 64 messages in internal non-volatile memory
- Unread message alert
- Alert melodies: 21 tones
- Vibrate alert / Tone and vibrate / Vibrate then tone
- Flash led
- Silent mode
- Low battery warning
- LCD display up to 8 lines of 16 characters, multicolor backlight, modifiable zoom

General features

- Li-Ion battery 3.7V / 700 mA (up to 15 days in eco-mode)
- Accelerometer for PTI features and to allow the reading of messages in all positions
- Languages: French, English, German, Spanish, Dutch, Italian, Danish, Slovenian
- Weight: 90 grams
- Size: 3.8 x 2.2 x 0.7 inches (97.4 x 54.7 x 16.7 mm)
- Supplied with 1 belt clip, 1 lanyard
- Operating humidity and temperature from -10°C to 60°C, 95% at 40°C
- Storage humidity and temperature from -10°C to 70°C, 95% at 40°C
- Charger with contact relay for external output (alert siren remote control)

POCSAG features - Receiver

- Frequency: VHF (136 - 174 MHz in steps of 8 MHz) / UHF (426 – 474 MHz in steps of 8 MHz) / 828 MHz ...
- Channel spacing: 12.5 / 20 / 25 kHz
- Transmission speed: 512 bps or 1200 bps or 2400 bps
- Modulation: NRZ
- Frequency deviation: +/- 4.5 kHz
- Sensitivity*: 512 bps: 2µV/m, 1200 bps: 2.5µV/m, 2400 bps: 3µV/m
- Selectivity: 65dB +/-25 kHz
- Intermodulation protection: > 65 dB
- Frequency stability: ±8 ppm
- Alert signal: > 81dBA @ 30 cm, frequency 2731 Hz

* Sensitivity at UHF band on the best position

POCSAG features - Transmitter

- Output power: up to +14 dBm
- Frequency: VHF (136 – 174 MHz) / UHF (426 – 474 MHz) / 900 MHz ...
- Channel spacing: 12.5 / 20 / 25 kHz
- Transmission speed: 512 bps or 1200 bps or 2400 bps
- Modulation: NRZ / FSK
- Frequency deviation: ±2.25 kHz (12.5 kHz) / ±3.6 kHz (20 kHz) / ±4.5 kHz (25 kHz)
- Modulation rise time: 250µs ±25µs
- Frequency stability: ±8 ppm

IoT features - Transmitter

- Sigfox ready: Class 0u
- Output power: up to +14 dBm

Friendly user interface - Display with color backlight
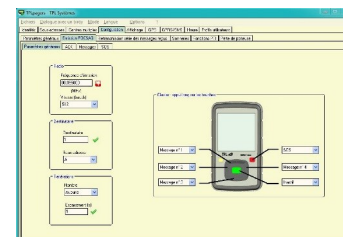
ACCESSORIES

Desktop charger

Pouch

Strap

Software option for POCSAG transmission

**Software option for encryption
Secure Paging Protocol with AES256**

Programming software