



Birdy 3G

2way pager POCSAG or FLEX with acknowledgment

PRODUCT	REFERENCE
BIRDY 3G pager, GPS/GPRS, POCSAG, synthesized version, 128 @	BIRDY3G-XXX XXX (requested frequency band)
BIRDY 3G pager, GPS/GPRS, Flex, crystal version	BIRDY3GF-XXX XXX (requested precise frequency)

Birdy 3G is the latest generation of 2Way POCSAG/Cellular pager designed and manufactured by TPL Systèmes.

Birdy 3G includes a cellular module enabling an automatic acknowledgment when a message is received and a confirmation of response by the user, if he/she can take part in the operation.

Birdy 3G is also able to receive messages sent from a cellular network either in M2M mode or in SMS.

Birdy 3G is designed to be used in tough conditions. It benefits from a reinforced waterproofness, granting resistance against water splashes, dust, and unavoidable bumps occurring during field operations.

Birdy 3G integrates a GPS module which can be either activated or not at the programming stage but it can also be deactivated by the user.

Birdy 3G is also able to warn the safety center when one of its users is out of a determined geographical area.

Birdy 3G offers the possibility to send an emergency call by pressing the button or using the 3-axis accelerometer for man-down and deadman application.

Birdy 3G includes a module enabling workforce availability management.

Birdy 3G includes an a RFID chip allowing receiver identification, door control access, timekeeping management, control access counter...

Birdy 3G is also available in a FLEX version.



CRITICAL MESSAGING PRODUCTS › Birdy 3g

Message service functionalities (POCSAG - GSM/GPRS)

- 128 numeric and/or alphanumeric addresses, 12 user profiles
- Possibility of 4 sub-addresses by address with pre-fixed message
- Memory up to 20 messages of 255 char.
- Unread message warning
- 21 alert melodies
- Vibrate only or ring and vibrate
- Silent mode
- Low battery warning
- LCD display of 4 lines of 20 characters, backlit, modifiable zoom
- Partial Over The-Air (OTA) programming
- Messages from service provider enabling to block operation
- SOS mode geo-located by long key press
- Man down, dead man feature

General functionalities

- 128 addresses with color RGB backlight, Synthesized version only
- Li-Ion battery 3.7V/1300mA
- Average life until (depending on network configurations):
- GSM permanently connected mode: 80h (w/o GPS), 60h (w/ GPS)
- POCSAG only: 520 h
- Languages: French, English, German, Spanish, Dutch... etc
- Weight: 120 g
- Size: 94 x 59.5 x 21.5 mm
- Supplied with desktop battery charger, holster, strap
- Operating humidity and temperature from -20°C to 60°C, 95% to 40°C
- Storage humidity and temperature from -20°C to 70°C, 95% to 40°C
- Firmware updating by PC
- Alert signal: > 86dB @ 30 cm, freq 2731Hz
- SOS button - Loss of verticality

POCSAG specification

- All frequencies in VHF, UHF bands upon request
- Channel spacing: 12,5/20/25 KHz
- Transmission speed: 512bps or 1200 bps or 2400 bps
- System modulation: NRZ
- Frequency deviation: ± 25KHz
- Sensitivity: at 1200 bps : 3uV/m
- Selectivity: 65dB (+/-25KHz)
- Intermodulation protection: > 65 dB
- Frequency stability: ± 10 ppm

FLEX specifications

- Frequency (MHz): all frequencies in VHF, UHF bands, upon request
- Crystal version only
- Channel spacing: 12,5/20/25 KHz upon request.
- Transmission speed: 1600 bps, 3200 bps or 6400 bps
- System modulation: 4 level FSK
- Deviation frequency: +/- 4.8 KHz
- Reception sensitivity at 1600 bps : 3 uV/m
- Selectivity: 65 dB +/- 25 KHz
- Inter modulation protection: > 65 dB
- Stability in frequency: +/- 10 ppm

Cellular module specification

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

SIM card located under the battery

GPS module specification

- High sensitivity GPS - 165 dBm
- 66 channels GPS - Cold Start 35 seconds
- Hot Start 1 second - PTI functionality

Birdy 3G

Accessories



Standard Desktop charger

Desktop charger delivered with AC adapter EU plug.

RÉF. BIRDYIIIIR2-CHARG



Desktop charger with external antenna output

Desktop charger with external antenna output, delivered with AC adapter EU plug.

RÉF. BIRDYIIIIR2_CH_ANT



Standard leather holster

Standard leather holster with belt clip.

RÉF. BIRDYIIIIR2_HOUSSE



Leather holster with magnet

Leather holster with magnet.

RÉF. BIRDYIIIIR2-HMAG



Vertical leather holster

New design leather holster, enabling to hold the Birdy 3G pager in vertical position.

RÉF. BIRDYIIIIR2-HCUIR V



Textile holster

New design textile holster.

RÉF. BIRDYIIIIR2-HOUS-T



Plastic holster

Hard plastic holster with belt clip.

RÉF. BIRDYIIIIR2-HOLSTER



Strap

Security strap with clip.

RÉF. BIRDYIIIIR2_DRAG



Antenna 85 Mhz

External antenna for desktop charger, frequency 85.955 Mhz. Other frequencies upon request.

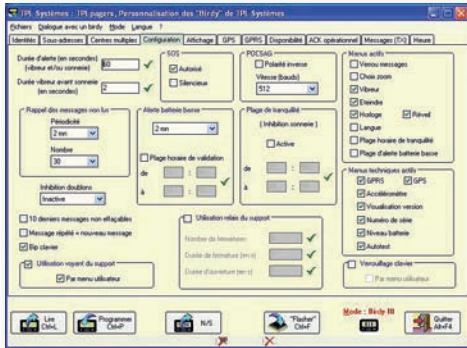
RÉF. BIRDYIII_ANTENNE85



Antenna 173 Mhz

External antenna for desktop charger, frequency 173.5125 Mhz. Other frequencies upon request.

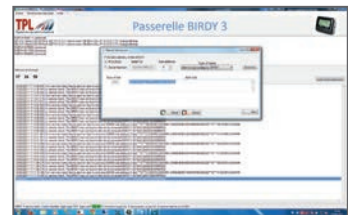
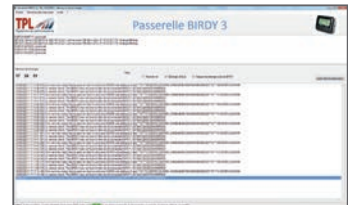
RÉF. BIRDYIIIANTENNE173



Programming kit

Programming kit enabling to program your Birdy 3G pager and to update its firmware. It includes a USB programming cradle and a programming software XP/Vista 7/10 compatible. Delivered with AC adapter EU plug and an USB cable.

RÉF BIRDYIII2-PROG



Gateway BIRDY3G

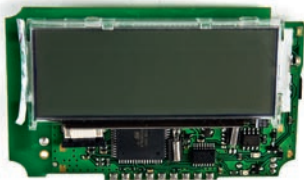
control and supervision of messages exchanges to and from the devices.

RÉF Birdy3G GATEWAY

AC adapter with European plug

AC adapter with EU plug to be used with Birdy WP desktop charger or programming cradle. Adapter available with UK, AU and US plugs.

- RÉF. AC-ADAPT-EU
- AC-ADAPT-UK
- AC-ADAPT-US
- AC-ADAPT-AU



Logic board

Complete logic board (including display, micro-controller, GPS, GPRS...) for repair use (spare).

RÉF BIRDYIII2_UC



Radio board

Radio board for repair use (spare). Requested frequency to be requested on the purchase order.

RÉF BIRDYIII_CARTE_RA
+ requested frequency

Spare parts

Logic board

Complete logic board (display, micro-controller...) for repair purpose. Includes a micro-controller, GPS, GPRS modules...

RÉF. BIRDYIII2_UC

Radio board

Radio board for repair purpose. Frequency to be precised on the order.

RÉF. BIRDYIII2_RADIO

Front case

Birdy III front case.

RÉF. BIRDYIII_COQUE_AV

Rear case

Birdy III rear case with RFID tag.

RÉF. BIRDYIII_COQUE_AR

Lens

Birdy III lens

RÉF. BIRDYIII_VITRE

LCD

Birdy III LCD with back light.

RÉF. BIRDYIII_LCD

Vibrator

RÉF. BIRDYIII_VIBREUR

Buzzer

RÉF. BIRDYIII_BUZZER



Battery R2

Lithium Ion 3.7V/1300 mA battery, revision 2.

RÉF BIRDYIII_BATT R2