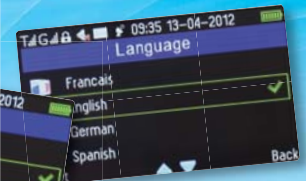
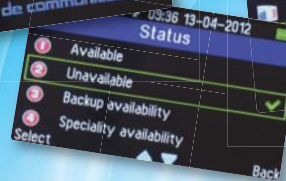




BIRDY TETRA

Individual security pager
2 networks available in the same pager



-  Tetra network
-  GPRS network
-  GPS localization
-  Man down
-  Emergency button
-  Large color LCD display
-  MP3 sound alert
-  Availability management
-  Long battery life
-  High TETRA sensitivity
-  USB travel charger
-  Desktop charger
-  RFID inside

BIRDY TETRA



BIRDY TETRA enables to receive and send messages on a private network as well as on a GPRS commercial network. By supporting 2 communication networks, BIRDY TETRA is able to secure dialog between control rooms and pager users. Not only the pager user benefits from comfort and secured reception thanks to his TETRA private network but he benefits also from an extended coverage thanks to an operator's GPRS network.

BIRDY TETRA manages the reception of SDS / GPRS and SMS messages; it enables to send pre-programmed and operational availability messages. Upon reception of a message, the pager sends automatically a technical acknowledgement stating that the pager received well the message but it sends also an operational pre-programmed message to indicate if the user accepts or not the message.

BIRDY TETRA includes a GPS module enabling to locate it. This module is combined with a «last generation» accelerometer, enabling to manage functionalities such as «man down» or verticality loss.

BIRDY TETRA is equipped with a TETRA custom-built antenna, possessing a very good reception level. **BIRDY TETRA** is powered by a high capacity Li-Ion battery perfectly sized for a long useful life.

BIRDY TETRA programming can be made thanks to a Windows compatible multilingual customization software.

BIRDY TETRA integrates the latest technologies used by TPL Systèmes: color LCD display, MP3 ring tone, USB universal charger...

BIRDY WP is designed to be used in hard conditions. It has a reinforced water resistance which enables it to stand spatters of water, dust, and inevitable impacts during operations on the field.

Technical Specifications

TETRA - GSM/GPRS functionalities

2 vectors that can be selected in different ways: (TETRA and GPRS at the same time / or TETRA then GPRS / or GPRS then TETRA)
1 individual address
1 group address
Memory reception: up to 50 messages of 1000 characters each
Canned messages: 96 canned messages over 8 groups, 12 canned messages per group and 130 characters per canned message.
Phone book: 96 contacts over 8 groups, 12 canned messages per group and 28 characters per canned message.
Unread message alarm (displayed and sound)
10 MP3 type alert tones (Downloadable) and 10 alerting tones
Vibrate
3 ring tones profiles (Silence, normal, user)
Low battery alarm
LCD color display 2,8" (240x480 RGB)
Over the Air encryption (OTA)
Service messages enabling to remotely unvalidate, locate... the pager
Alone worker protection (verticality loss, fall, SOS button)
Languages : French, English, German, Spanish, Norwegian, Swedish, Danish
Indoor localization (Option : BIRDYProtect)
Windows compatible customization software

General functionalities

Li-Ion battery 3.7V/2100mA - Battery life more than 24 hours
Charge time: 6hours approximatively
Weight: 195 g
Size : 95 x 71 x 31.4 mm
Supplied with desktop battery charger, belt clip, strap
Micro USB connector for car charger
Operating temperature and humidity from -20°C to 65°C, 95% at 40°C
Storage temperature and humidity from -30°C to 80°C, 95% at 40°C
Easy firmware updating by PC

TETRA specifications

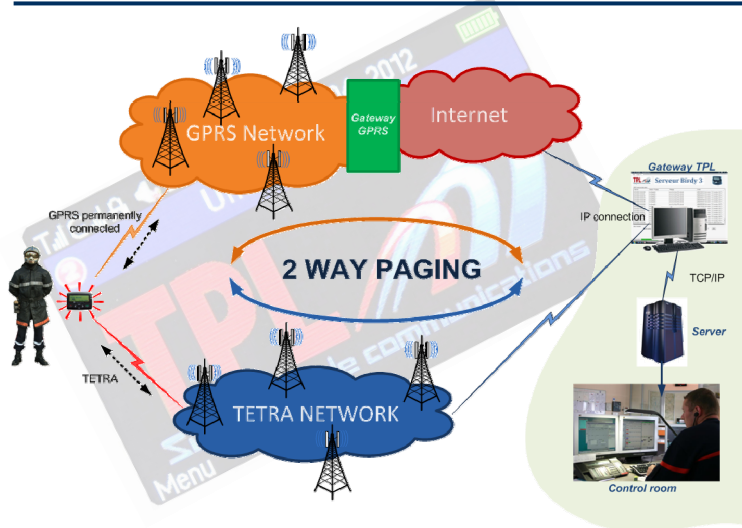
MOTOROLA TOM100 inside
Frequency (MHz) :380—400 MHz / 410—430 MHz
Nominal output power: 30 dBm (1W)
Channel spacing: 25 kHz
Static reference sensitivity: -112 dBm
Dynamic (faded) reference sensitivity: -103 dBm
CALLOUT protocol included (TTR001-21) (without talkgroup)
SDS message
Possibility of encryption, TEA1, TEA2, TEA3 (option)

GPRS/GSM module specification

Full quad band module : EGSM 850,900,1800,1900 MHz
Multi-slot GPRS class 10 (3+2 & 4+1)
Maximum transmission power (2W - 850/900 MHz) (1W - 1800/1900 MHz)
PDU and SMS mode held up
SIM card located under the battery

GPS module specification

LIP protocol included
High sensitivity GPS - 160 dBm / 50 channels GPS
Cold Start 29 seconds / Hot Start 1 second
GPS gain (antenna + LNA) 17 dB
GALILEO compatible



Desktop charger



USB charger



Programing kit



Car charger



Belt clip

Non binding document - DC_BIRDY TETRA_eng
V7.00 - 03/01/2013

In order to constantly improve its products, TPL SYSTEMES reserves the right to change specifications at any time, without any prior notice.

ZAE du Périgord Noir
24200 SABLAT— France
Tel : +335 53 31 55 00
export@tplsystemes.com

TPL
Systèmes de communications