



## Analog & Digital eDMR Handportable

Digital TDMA Technology combined with Analogue Technology

The **TDH3G** hand portable terminal is the latest digital handheld using high spectrum efficient technology designed by **TPL Systèmes**.

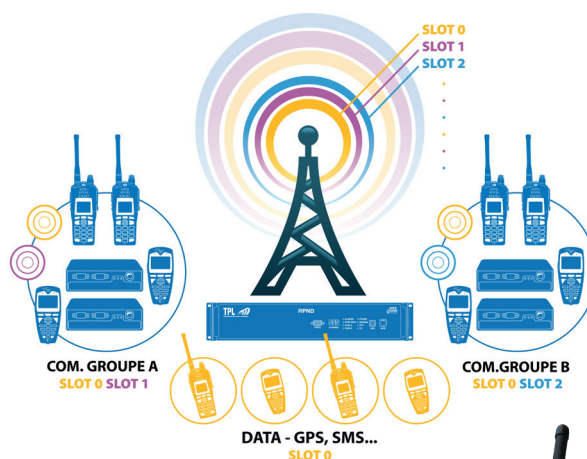
Capable of operating both in existing analog networks with DCS, CTCSS... and in digital **eDMR** network. The **TDH3G** is equipped with a color screen, a keyboard easy to use, and offers functional menus. The TFT graphic display high resolution also allows by its size, optimum legibility for images and colour icons.

Even under conditions of high brightness, the information remains easily visible to the user, it's an ideal tool for transmission and reception of short messages and various modes of operation. It integrates also a new and intuitive

MMI used on all 3G products.

Provided with a 2270 mAh ion lithium batteries, it offers several hours of uninterrupted operating time thanks to its low current drain. Equipped with a GPS module, it can transmit over the radio network, GPS position and various types of alarm information (Man Down and other alarms...).

This very robust professional handheld, offers heavy-duty features and thanks to its ease of operation, make this hand portable a user-friendly, highly reliable working tool for most demanding users.



## Technical features

Modulation types		Other features	
<ul style="list-style-type: none"> <li>- Digital TDMA - 4FSK</li> <li>- Analog phase modulation (11KoG3E)</li> <li>- Analog selective calls (CTCSS, DCS, etc..)</li> <li>- 5tons for ANI</li> <li>- Digital selective calls</li> </ul>		<ul style="list-style-type: none"> <li>- <b>Dimensions and weight:</b> Width : 61 mm      Depth : 40 mm Height : 151 mm      Weight : 355 g</li> <li>- Battery Lithium Ion 2270mAh</li> </ul>	
Services			
<p><b>Call types:</b></p> <ul style="list-style-type: none"> <li>- Open channel calls</li> <li>- Individual and privacy calls</li> <li>- Group calls (static and dynamic)</li> <li>- Emergency calls</li> <li>- Include calls</li> <li>- PSTN/ISDN incoming and outgoing calls</li> </ul> <p><b>Others:</b></p> <ul style="list-style-type: none"> <li>- Priority and pre-emptive calls</li> <li>- Upgradeable online software</li> <li>- User interface : French, English, Spanish, Turkish...</li> </ul>		<p><b>Data:</b></p> <ul style="list-style-type: none"> <li>- Status code transmission</li> <li>- SMS (Short data messages)</li> <li>- 9,6 Kbps (raw) data transmission rate</li> <li>- Analog: until 10 scanning groups</li> </ul> <p><b>Calls Modes:</b></p> <ul style="list-style-type: none"> <li>- Direct</li> <li>- Semi-duplex</li> <li>- Duplex</li> </ul>	
Features & options			
<ul style="list-style-type: none"> <li>- User interface : French, English, Spanish, Turkish...</li> <li>- BT</li> </ul>		<ul style="list-style-type: none"> <li>- Internal GPS</li> <li>- Man down</li> </ul>	
Technical radion specification			
<p><b>Generals</b></p> <ul style="list-style-type: none"> <li>- Frequency band      30-50, 68-88, 146-174 MHz</li> <li>- Channel number      &gt; 200</li> <li>- Operating mode      Direct, semi-duplex, duplex</li> <li>- Channel spacing      12,5 - 20 - 25 kHz</li> <li>- RF power      5 W</li> <li>- Power supply      6,8 to 8,4 V</li> <li>- Audio power      1 W / 8 Ohms</li> <li>- Raw data rate      9,6 Kbps</li> <li>- Operating temperature      -10°C to + 70°C</li> <li>- Dust and rain-proof      IP55</li> </ul> <p><b>Transmitter</b></p> <ul style="list-style-type: none"> <li>- 4 programmable RF levels      0,5 to 5 W</li> <li>- Frequency stability      &lt; 3 ppm</li> <li>- Analogue residual noise      &lt; - 50 dB</li> <li>- Transmitting consumption      &lt; 2,2 A</li> </ul>		<p><b>Receiver</b></p> <ul style="list-style-type: none"> <li>- Sensitivity for :</li> <li>- Analog @20dB SINAD      -115 dBm</li> <li>- Digital for BER* 1%      -117dBm</li> <li>- Intermodulation protection      &gt; 65 dB</li> <li>- Dynamic RSSI      70 dB</li> <li>- Crystal filter selectivity      &gt; 70 dB</li> <li>- Consumption in standby mode      &lt; 100 mA</li> <li>- Autonomy : 5/5/90</li> <li>- Analogue operating mode      1W/20h 5W/14h</li> <li>- Digital operating mode      1W/25h 5W/19h</li> </ul> <p><b>Complies with standards</b></p> <ul style="list-style-type: none"> <li>- RED</li> <li>- ETS 300 086 - 300 113</li> <li>- ETSI 300 279 - EN 55022-55024</li> </ul>	
Handportable TDH 3G Accessories			
<ul style="list-style-type: none"> <li>- Desktop Charger (1 handportable + 1 battery)</li> <li>- Travel charger</li> <li>- Speaker Microphone</li> <li>- Throat microphone</li> </ul>		<ul style="list-style-type: none"> <li>- Standard Earpiece, kit VIP for discreet operation</li> <li>- Leather case with belt clip</li> <li>- Leather Case with belt swivel</li> <li>- Chest Harness with 3 fixing clips...</li> </ul>	

\*BER : Bit Error Rate