



## Tactilon® Dabat Smart. Strong. Secure.

Tactilon Dabat is the world's first smartphone with a full TETRA radio inside. This represents a huge leap in TETRA evolution.

Tactilon Dabat may look like a regular fully rugged smartphone, but it is ground-breaking: it also offers the special multi-purpose push-to-talk buttons familiar from Airbus TETRA radios. It is therefore comfortable in even prolonged use.

The large 4.7-inch touch-screen is ideal for sending messages and it is designed also for gloved touch. A real push-to-talk button makes it easy for the user to talk to TETRA groups.

Tactilon Dabat offers the functionality once found only on TETRA radios. What's more, it can operate on any standard TETRA network on the 380-430 MHz frequency band.

Tactilon Dabat is powered by a 4800 mAh removable, long-lasting and rechargeable battery. This rugged device is rated both IP65 and IP67.

Audio processing functions let users hear others loud and clear, while mapping apps and GPS ensure that the control centre will know the user's position.

Tactilon Dabat has a still and video camera for capturing the action and TETRA groups for sharing images in a controlled, safe way.

The Hex mount system allows the device to be worn on the lapel for capturing video for the control centre or colleagues.

# Tactilon Dabat

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## Frequency band

- 380 – 430 MHz TETRA for voice

## True hybrid for private and commercial networks

- LTE: B3 – 1800MHz
- LTE: B7 – 2600 MHz
- LTE: B40 -2300 MHz
- LTE: B28 – 700 MHz
- LTE: B20 – 800 MHz
- 3G: B8 – 900 MHz
- 3G: B1- 2100 MHz
- WIFI: 2.4GHz

## Size

- Weight: ~300g
- Dimensions: ~155 x 79 x 22 mm with a standard battery

## As strong as PMR radio

- IP65 and IP67 certified
- MIL STD 810G + up to 1.5m drop tests
- Reliable after 200 consecutive 1m tumbles
- Robust Corning Gorilla Glass in touch panel

## Smart device capabilities

- Display size: 4.7"
- Camera: back / front
- Micro USB
- GPS
- BT
- 3.5 audio connector
- 2 sim card slots (TETRA and broadband)

## Optimized for push-to-talk

- Clear and loud audio
- Large PTT button
- Gloves usage touch
- Easy to learn and use apps

## Secure platform for professionals

- Android 6.0 Marshmallow
- Access to resources controlled by Secure OS
- Dedicated HW for TETRA voice and messaging
- Man down in Android
- E2EE smart card based solution (option)
- Security HW accelerator
- Encrypted memory and SD Card
- Secure boot
- Compatible with MDM and VPN
- Air Interface Encryption (AIE) security classes:
  - Class 1: Clear
  - Class 2: SCK
  - Class 3: DCK/CCK
- Temporary disable/enable (Stun)
- Permanent disable (Kill)

## TETRA voice features

- Talking group selection
- Making and receiving group calls
- Making and receiving individual calls
- Making and receiving express calls
- Making and receiving emergency calls
- Making and receiving direct mode calls
- Priority scanning
- Late entry

## TETRA messaging

- Sending and receiving status messages
- Sending and receiving SDS messages
- Receiving callout SDS messages
- Receiving Flash messages
- Sending and receiving SDS and status messages also in direct mode

## Other TETRA functions

- Direct mode
- Trunk mode
- Contacts list for TETRA
- Sharing location over SDS/LIP
- UI Indications for Signal strength, Network availability, Missed calls, unread messages and E2EE status
- Alert for out of network coverage, messaging and incoming calls
- Call log view
- Configuration managed by TAQTO® tool
- Priority scanning
- Voice override in group calls (pre-emption)

## Battery

- Li-Po 4800 mAh
- User can change the battery



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