



DAMM TetraFlex® PTT

DAMM TetraFlex® PTT is a smartphone application for secure business-critical communication across TETRA, DMR and analog technologies – utilizing LTE or Wi-Fi. It is ideal for coverage extension and a low-cost alternative to expensive TETRA radios.

DAMM TetraFlex PTT is a vendor- and technology-independent smartphone application which brings the power of PMR to Android smartphones, delivering secure and private communication. A purely IP-based solution, it operates independently of any radio infrastructure, eliminating the need for radio gateways.

Stay in touch with fully secure voice and data communication

Using DAMM PTT all group and individual communication options are retained, from group PTT calls to individual two-way calls. The audio quality remains high, while security is ensured through VPN connections and end-to-end encryption.

Data communication is equally protected. Whether sending text or status SDS messages, images or video, this transfer also happens on the encrypted and secured IP connection, keeping all communication safe.

Stay connected

With DAMM PTT running on Wi-Fi or 3G/4G, you can stay connected in areas not covered by the narrowband network. You can even stay connected during business trips thousands of kilometres away, making sure that you are always reachable.

With the phonebook automatically updating from the subscriber register, updated contact information for people inside your network

is always at hand. In addition, calls to ordinary landlines or mobile phones can be made through the app, strengthening your connectivity while keeping all communication secure.

Stay safe

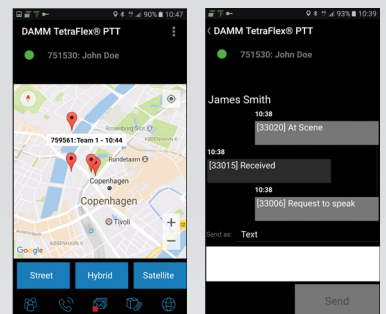
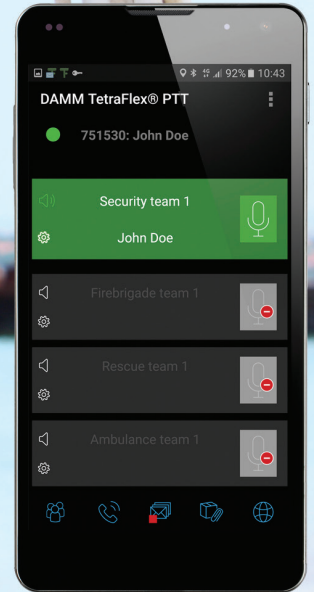
Getting help in an emergency situation is easy with the ability to alert a designated user of the emergency in both a call and SDS in one go.

Furthermore, a new PTT group can be attached to the DAMM PTT remotely by the control centre. This way it becomes possible to quickly ensure efficient coordination between relevant parties in order to minimise personal injuries and property damage.

Stay visible

DAMM PTT can be configured to send GPS position data at selected intervals. These data can be viewed by other apps within the same organization, the DAMM TetraFlex Dispatcher or any control room application.

Likewise, you can see other subscribers on a map in DAMM PTT with position data including time of last location data.



DAMM TetraFlex PTT key features:

- Push-to-talk group communication
- Simplex and duplex individual calls
- Individual calls
- Text messaging
- Image/video transfer
- Emergency calls/SDS
- GPS positioning

Using wireless IP networks like:

- Wi-Fi
- 3G/4G networks



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Key specifications

PTT
App

DAMM TetraFlex PTT supports the following features:

- Group calls to and from TETRA, DMR and analog radios, other DAMM PTTs, DAMM Dispatchers and other compatible units connected to the DAMM TetraFlex infrastructure
- Duplex calls to and from TETRA radios, other DAMM PTTs, DAMM Dispatchers, PABX phones and other compatible units connected to the DAMM TetraFlex infrastructure
- Simplex calls to and from TETRA radios, other DAMM PTTs and DAMM Dispatchers
- Text and status SDS to and from TETRA radios, other DAMM PTTs, DAMM Dispatchers and other compatible units connected to the DAMM TetraFlex infrastructure
- Emergency calls and SDS messages to a designated dispatcher
- Built-in map function providing an easy overview of the location of other subscribers in the same organization. DAMM PTT can also be set to send GPS data.
- File/video/image transfer to and from other DAMM PTTs, DAMM Dispatchers and other compatible units connected to the DAMM TetraFlex infrastructure

Use-case examples:

- Coverage extension for voice calls. Ideal for workers commuting between sites and employees in remote offices
- Low-cost alternative to expensive TETRA terminals for non-critical usage
- Picture and video transmission for improved workflow
- Easy sharing of status information and fleet management across a nationwide network

Specifications

DAMM TetraFlex PPT	Requirement / Recommendation
DAMM TetraFlex PTT license	One DAMM TetraFlex Terminal Gateway License per user
Smartphone requirements	Android version 6.0 or above
Terminals tested and approved to date	Tested on multiple Android devices, please contact DAMM for the current list of devices
HTTP service	Connection to the TetraFlex HTTP service is required for the phonebook, Status SDS definitions and file transfer to work
Air interface	Wi-Fi, UMTS (3G) or LTE (4G)
Minimum bandwidth requirement (per simplex call)	CELP/TETRA: 12kbit/s G.711 A-law: 69kbit/s
Gateway Node/Terminal Gateway	Intel Xeon, Quad core, 2.40GHz, 256GB HDD, 4GB RAM, 2 x Gigabit Ethernet ports Windows 7, Windows 8, Windows 10, Windows Server 2008 R2 with SP1, Windows Server 2012
Firewall recommendations	Cisco ASA router 5500 series
VPN client recommendations	Cisco Any Connect Secure Mobility Client

Specifications subject to change without notice
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