

# LEO Satellite connectivity

## Expanding mission critical coverage with LMR, LTE, 5G and LEO

### The challenge

In mission-critical environments, first responders cannot afford to lose their connection. Operations often move into "off-grid" areas such as remote wilderness, disaster zones with destroyed infrastructure, or deep in mountains where traditional Land Mobile Radio (LMR) and terrestrial cellular networks can't reach.

### The solution

By leveraging T-Satellite with Starlink connectivity from T-Mobile, we are expanding the reach of our smart apps to ensure APX NEXT users maintain voice and data communications when operating beyond traditional LMR and cellular networks.



### → SmartConnect

When LMR and cellular signals are lost, SmartConnect instantly switches to LEO satellite connectivity to maintain uninterrupted Push-to-Talk voice communications.

### → SmartLocate

Real-time GPS location data continues streaming to CommandCentral Aware.

### → SmartMessaging

Bi-directional text communication continues via the satellite.



## The result



### Mission critical connectivity

When operations move completely off the grid, satellite connectivity acts as a vital resilience and coverage-extension layer. First responders are prioritized ahead of other users, to ensure communications stay open when it matters most.



### Fast data speeds

When terrestrial coverage drops, satellite connectivity automatically keeps APX NEXT connected with fast data capabilities for select satellite-ready apps.



### Extended coverage

LEO satellite connectivity extends coverage to remote areas and disaster zones with no special equipment required.

#### TECHNICAL SPECIFICATIONS

##### Compatible hardware

APX NEXT <sup>1</sup>  
APX NEXT XE <sup>1</sup>

##### Carriers available

T-Satellite with Starlink connectivity by T-Mobile

##### Compatible Software

Radio firmware 2026.1 or higher

##### Apps supported

SmartConnect  
SmartLocate  
SmartMessaging

<sup>1</sup> Compatible models required

To learn more, visit:

[www.motorolasolutions.com/apxnext](http://www.motorolasolutions.com/apxnext)



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