

USNG MOBILE APP INSTRUCTIONS

Precise USNG coordinates from your mobile browser

In support of the USNG Emergency Location Marker (ELM) system, a FREE Progressive Web App (PWA) has been developed that uses the GPS chip of smartphones and tablets (models since approximately 2011) to generate a USNG position display. Unlike traditional apps, there's nothing to download from an app store - simply visit USNGapp.org in your mobile browser to instantly access precise location coordinates. The display replicates the format of Emergency Location Markers (ELMs) used by first responders nationwide and works on both iOS and Android devices.

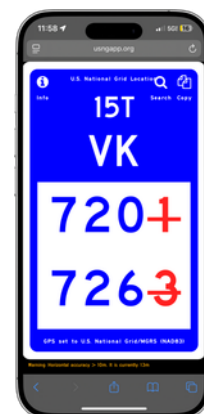
- ✓ **No Download** - Works in any mobile browser.
- ✓ **Offline Capable** - After initial setup, works without internet connection.
- ✓ **Emergency Ready** - Uses the same USNG system as responders.
- ✓ **Real-Time Updates** - Coordinates update as you move, with refresh option available.
- ✓ **Smart Copy Function** - Copies blue (high-confidence) digits, ensuring accuracy.
- ✓ **Search & Map Integration** - Enter coordinates to view locations on Google Maps, Apple Maps, and GISsurfer.



Example display

To access and use the application, use the following steps:

- 1 Enable GPS/GNSS location services in your mobile device settings.
- 2 Allow your browser (Safari, Chrome, etc.) to access location services when prompted.
- 3 Move outside for optimal GPS satellite reception.
- 4 Open your browser and navigate to USNGapp.org (requires internet for first use).
- 5 Save the page as a bookmark/favorite for offline access later.
- 6 Wait for GPS fix. Blue numbers indicate high confidence; red numbers indicate lower confidence. Check the orange status text for current accuracy.



Example display highlighting the blue and red numbers along with the orange status text referred to in Step 6.



One Grid. Built for Every Agency. Every Incident.



WHAT MAKES USNG DIFFERENT

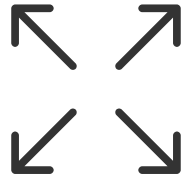
Other systems may locate a point.

USNG builds a shared framework everyone can operate in.



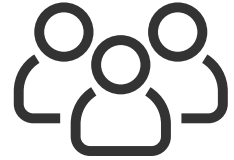
Ecosystem

USNG connects markers, maps, dispatchers, and SAR teams into one shared language before an incident happens.



Scalability

The same system describes a 10-meter rescue zone and a multi-state disaster area. No conversion. No new tools.



Interoperability

When multiple agencies respond to the same incident, USNG gives them a common grid to divide, assign, and search together.

How Other Location Systems Compare

	USNG	what3words	Plus Codes	MapCode	Natural Area Code
Worldwide coverage	✓	✓	✓	✓	✓
Open Source (free forever)	✓		✓		
Nonproprietary application	✓				
Truly scalable	✓				
U.S. Federal standard	✓				
Works with GPS	✓				
Works without electricity	✓				
Works in other GIS/apps/maps	✓				

One Grid. Built for Every Agency. Every Incident.

