

GPS Applications for Your Cell Phone

Please note that these apps and the companies that created them are neither endorsed nor maintained by the Nevada SHPO.

BackCountry Nav Topo Maps GPS (DEMO)

Android only.

Demo version lasts for 21 days. Upgrade to PRO for \$14.99. Handheld GPS replacement, offline topographic maps. Download maps before use in wilderness, no cellular data required for GPS functions. Import or select custom waypoints. Add custom GPS waypoints in longitude and latitude, UTM or MGRS grid reference. Import GPS waypoints from GPX files. (This app uses the WGS84 datum, NAD27 is available in settings). Extends to Android wear such as smart watches.

Gaia GPS: Hiking, Hunting Maps

Price tiers of free, member, and premium. Free includes ability to plan, record, and use Gaia Topo maps (free does not allow downloading for offline map use). Member tier includes ability to download maps and use 50+ map sources. Premium allows access to NatGeo, hunting, off road maps, and more. Popular hiking app. App features in Outside, Backpacker, Trail Runner, and the New York Times. Tracks speed, ascent, altitude, distance, and average pace. Maps include land agency jurisdictions. Ability to route to GPS locations, share maps, tracks, and waypoints.

SW Maps - GIS & Data Collector

Free. Supports shapefile overlays on background maps. App is for data collection and sharing geographic information. Record point, lines, polygons, and photos and add feature data. Ability to add markers and measure distances. Share the collected data with other users as Geopackages, KMZ or shapefiles, or export them to your device storage. Also share and export recorded data as Spreadsheets (XLS/ODS) or CSV files. Seems better suited for more advanced users and in-depth surveys.

AlpineQuest Off-Road Explorer (Lite)

Full version available for \$9.99. Offline GPS and topo maps. Maps include layer ability such as roads, contours, hydrology, and imagery. Includes active GPS location and compass feature in full version. Ability to navigate to waypoints. GPS Latitude/Longitude and grid coordinate formats (UTM, MGRS, USNG, OSGB, SK42, Irish, Swiss, Lambert, QTH Maidenhead Locator System). Features seem minimal for the free version but \$9.99 for full access to the application features isn't a bad price.

UTM Geo Map

Free. Used for land survey, bathymetry, and GIS. Coordinates of Latitude Longitude, UTM, MGRS (WGS84) & other CRS (using EPSG codes). Offline GPS capable. Cellphone will function like a Handheld GPS to get Latitude Longitude coordinates, UTM, MGRS, Elevation (ellipsoid), MSL Elevation (EGM96), accuracy, satellite and other useful information. Includes coordinate converter between lat/long and UTM. Includes a compass to assist in navigating or measuring the azimuth angle and determining distance & direction. Equipped with Magnetic Declination data which can be directly corrected to the compass direction. Most USGS topographical maps are free. The accuracy is about the same as a Garmin GPS. This is an excellent GPS app for casual data collection and exploring.