

Computer Know How Series

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Smartphone Maps/Navigation – Thursday October 10th 2019 @ 2pm

<http://www.aehost.net/morpd> or <http://www.morpd.com>

The 21st century has made mapping and navigation much more than it ever could have been in the 20th century. Digital maps that are flexible and automatically updated have transformed how we get from place to place and what can be done without visiting any location around the globe. Digital maps today are not just mapping for navigation purposes, but they are a catalog of so much more.

1) Map Applications

- a. Platforms (device platform)
 - i. Apple - Apple Maps, Google Maps and many others available.
 - ii. Android - Google Maps and many others available.
- b. Features (different map apps have different features so all listed below may not be in your app)
 - i. Map Types - Map, Satellite, Terrain, Aerial.
 - ii. Map Details - Transit, Traffic, Biking.
 - iii. Building layout/outlines.
 - iv. Business Locations.
 - v. GPS Locations and Location Sharing.
 - vi. Offline Maps (online content saved for when you don't have an Internet connection available).
 - vii. Timeline or history (location tracking).
 - viii. Parked Car Location Marking (when connected to a vehicle infotainment center).
 - ix. 2D and 3D Maps views.
 - x. Apple CarPlay and Google Auto for in vehicle display (infotainment center).
 - xi. Pinned Locations to save favorite and other locations.
 - xii. Send to Device from a computer.

2) Navigation/Turn-by-Turn directions

- a. Directions
 - i. Types of directions - Driving, Walking, Transit, Riding, Ride Hailing.
 - ii. Estimates Time, Distance and routes to destination. Some also provide lane positioning info.
 - iii. Add stops to have one or multiple stops in a trip without changing end point destination.
- b. Applications
 - i. The built-in map apps have integrated navigation but there are many others available in your device's app store. Each may have different feature sets or purpose.
 - ii. Waze Navigation & Live Traffic to always know what's happening on the road (driver community).
 - iii. AllTrails: Hike, Bike & Run provide maps for navigation of traditional roadways.

3) Non-Map apps that use maps

- a. News/Weather Radar – KCRA3, ABC10, MyRadar NOAA, WeatherBug, Weather Underground etc.
- b. Transportation & Ride sharing - Uber, Lyft, Jump, Lime, etc.
- c. Fitness - MapMyFitness, MapMyRide, MapMyWalk, MapMyRun, Map My Tracks, Nike Run Club, etc
- d. Parking and others – ParkMobile, GasBuddy, Topo Maps, Flight Tracking, Boating/Waterways and others.