When the question starts with “where in the world?”—Garmin GPS is your go-to source for answers.

Over the last two decades, the satellite-based Global Positioning System has become the most accurate, most advanced and most dominant navigation technology ever to fly with civilian aviators.

Much of the credit for popularizing this remarkable technology goes to a small team of engineers in Olathe, Kansas. Back in 1989, they started working on a bold new idea: To make GPS navigation both portable and affordable for everyone.

IT’S A GO-TO WORLD – WITH GARMIN PORTABLE GPS.

Since then, the skies of general aviation have grown progressively easier to navigate. Pilots now enjoy enhanced situational awareness and greater margins of safety—thanks to Garmin GPS innovation.

Designed for pilots by pilots, our aviation products are known for their reliability, practicality and intuitively simple operation. They’re purpose-built for use in demanding cockpit environments— and optimized for pilot use in ways that many competitive units and most generic GPS devices clearly are not. Garmin aviation portables quickly locate and lock on to satellite signals. Plus, they offer the built-in processing power you need for instant updates, smooth scrolling, and real-time moving map graphics. Ask any pilot who owns one. Or, better yet, check it out firsthand. You’ll see why Garmin is the world’s #1 best-seller in aviation GPS portables.
You've never gained so much "big picture" perspective from a GPS portable before. It's Garmin's new aera® 796. And it's bringing touchscreen control and unique 3D Vision flight terrain imagery to those pilots who want the very best in carry-on navigation. Providing a computer-generated "virtual reality" picture of ground and water features, airports, towers, obstacles, enroute legs and more, the aera's 3D flight graphics offer a detailed simulation of the flightscape beneath your aircraft. And with the flick of a finger, you can rotate the 3D view completely around the aircraft for easy scanning of your surroundings from various "camera-ship" vantage points. The aera 796's screen orientation – from vertical portrait view to horizontal landscape format – is pilot-selectable. And initial Garmin IFR FliteCharts®, AeroNav IFR enroute and VFR Sectional charts, Safetaxi® diagrams, and AOPA Airport directory data all come pre-installed on the system. Geo-referenced U.S. FliteCharts come pre-loaded. What's more, you can even connect a compatible Garmin Mode S transponder to display TIS traffic targets and alerts when you're flying in busy airspace. The aera's big 7-inch capacitive touchscreen lets you view an entire approach plate at a glance. High and low altitude airways can be navigated on the MFD moving map. And now, both the standard Garmin FliteCharts and the optionally available ChartView® Jeppesen-format instrument approach plates feature geo-referencing capability – with an overlaid aircraft symbol that displays your aircraft's exact position in relation to most instrument approaches. There's also a built-in document viewer that expands the aera 796's utility as an electronic flight bag (eFB) by enabling you to load and view PDF documents, JPEG photos, and other electronically formatted materials of all kinds – everything from basic checklists and raster charts to detailed performance/procedural data from the aircraft flight manual. There's also a handy scratchpad for writing down clearances or other important notes. For urban aviators, such as helicopter pilots, who sometimes need to navigate to specific ground locations or addresses, the addition of an optional City Navigator® map allows the user to search and locate any desired surface address for use as a flight-plan waypoint or for "direct-to" aerial navigation. A GXM-40 Smart Antenna, included with (and powered through) the aera 796, provides North American customers with access to datalinked NEXRAD imagery and other XM WX™ satellite weather capabilities – plus some 170+ channels of digital audio programming through Sirius XM satellite radio. For those in areas beyond the reach of XM coverage, Garmin's aera® 795 model offers the same overall functionality as the 796, without the XM satellite interface.

**Specifications**
- Receiver: WAAS-enabled, 12 channel, high-sensitivity
- Waypoints: 3000
- Routes: 50 with up to 300 points each
- Basemap: Americas, Atlantic or Pacific
- Uploadable maps: Supports optional detailed maps
- Battery Life: 3 - 8 hours of use (nominal)
- Size: 5.1"W x 8.0"H x 1.5"D
- Display size: 7.0" diagonal (17.78 cm)
- Weight: 1.65 lb (.75 kg) with battery
Bridging the gap between flight deck and flight bag, Garmin’s robust GPSMAP® 696 is the large-format GPS portable that works like a moving-map MFD. Its big 7-inch diagonal high-resolution display makes it easy to visualize your aircraft’s current position in relation to terrain features, airports, special use airspace, and so on. The sectional-like mapping is overlaid by an arc-view navigation reference showing course, speed and distance information. Plus, terrain and obstacle alerts let you know when potential flight hazards loom ahead. You can also connect the GPSMAP 696 to your Garmin GTX 330 Mode S transponder (sold separately) for display of TIS traffic alerts in busy airspace. For help with enroute IFR, the GPSMAP 696 is Garmin’s first portable able to display Victor airways and Jet routes. What’s more, preloaded Garmin Flitecharts® provide an electronic version of all the approach plates and terminal procedures currently published by AeroNav Services (formerly NACO), encompassing 11,000+ approaches for over 2,900 U.S. airports. To make tracking your position even easier, the standard Garmin FlightCharts® (as well as the optionally available ChartView® format) now feature geo-referencing capability — with an overlaid aircraft symbol that displays your aircraft’s exact position in relation to most instrument approaches. Once you’ve landed, the 696’s preloaded SafeTaxi® charts are there to help you find the right taxiway to your hangar or ramp. With detailed diagrams of over 1,000 U.S. locations, SafeTaxi takes the uncertainty out of taxiing at unfamiliar airports. If you need to locate an FBO or car rental agency, the included AOPA Airport Directory lists detailed information on over 7,400 U.S. airports, along with airports of entry for Canada, Mexico and the Caribbean. In addition to all these navigation and flight data features, the GPSMAP® 696 also offers support for NEXRAD images and all the other great XM WX™ satellite weather capabilities, plus, you can use the optional XM Radio capability to enjoy 170+ channels of digital music, news and programming through your aircraft headset or cabin audio system. It’s never been so easy to get the big picture from a portable. And for operators outside the XM coverage area, Garmin’s GPSMAP® 695 model offers similar functionality to the 696, without the XM weather/entertainment capabilities.

### SPECIFICATIONS

- **Receiver:** WAAS-enabled, 12-channel, high-sensitivity
- **Waypoints:** 3000
- **Routes:** 50 with up to 300 points each
- **Basemap:** Americas, Atlantic or Pacific
- **Uploadable maps:** Supports optional detailed maps
- **Battery life:** 2.5 - 8 hours of use (nominal)
- **Size:** 5.7"W x 7.7"H x 2.0"D
- **Display size:** 7.0" diagonal (17.78 cm)
- **Weight:** 2.2 lb (1 kg) with battery

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**Turn Your Flight Bag Into a Portable Command Center.**

- **Terrain page offers overhead and vertical profile views.**
- **XM Radio support lets you enjoy 170+ audio channels.**
- **Available XM WX™ data includes potential icing forecasts.**
- **AOPA Airport Directory provides data on 7,400+ U.S. airports.**
- **Preloaded SafeTaxi® offers diagrams for over 1,000 U.S. airports.**
- **Split-screen combines map with GPS panel display.**
- **Geo-referenced U.S. FlightCharts® cone preloaded.**
- **IFR map mode shows high and low-attitude airways with selectable terrain overlay.**
Leveraging Garmin’s industry-leading expertise in both Aviation and Automotive GPS, the versatile aera™ 500 series portables let users transition seamlessly from runways to roadways — with easy touchscreen command. Four aera models offer a full range of cost/capability choices — two of which support XM™ satellite weather and entertainment options1. In pilot mode, detailed flight mapping, terrain advisories, and our patented Panel page are featured. Plus, U.S. SafeTaxi® charts and AOPA Airport Directory are included on the aera 550/560 models. Other premium features on the aera 550/560 include higher-resolution terrain/obstacle detail providing over 11 times more onscreen resolution than the standard terrain display on the aera 500/510. For added safety, TIS traffic alerting is supported by all four aera models (through an interface with your aircraft’s Garmin GTX 330 Mode S transponder or other compatible third-party traffic devices). Then, when your aircraft lands, your journey continues with preloaded City Navigator® NT street mapping2 and turn-by-turn car navigation featuring text-to-speech audio technology that calls out streets by name.

You get Bluetooth® support for wireless connectivity. And premium models even add lane assist, traffic alerts3 and more. Garmin aera series: It’s the ultimate fly/drive option.

### Specifications

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<th>Feature</th>
<th>aera 500</th>
<th>aera 510</th>
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<td>Receiver</td>
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<td>Waypoints</td>
<td>3000</td>
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<tr>
<td>Routes</td>
<td>Up to 50 with up to 300 points each</td>
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<td>Basemap</td>
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<td>Uploadable Maps</td>
<td>Supports optional detailed maps</td>
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<td>Battery Life</td>
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<td>Display Size</td>
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### Leveraging Garmin’s industry-leading expertise in both Aviation and Automotive GPS, the versatile aera™ 500 series portables let users transition seamlessly from runways to roadways — with easy touchscreen command. Four aera models offer a full range of cost/capability choices — two of which support XM™ satellite weather and entertainment options. In pilot mode, detailed flight mapping, terrain advisories, and our patented Panel page are featured. Plus, U.S. SafeTaxi® charts and AOPA Airport Directory are included on the aera 550/560 models. Other premium features on the aera 550/560 include higher-resolution terrain/obstacle detail providing over 11 times more onscreen resolution than the standard terrain display on the aera 500/510. For added safety, TIS traffic alerting is supported by all four aera models (through an interface with your aircraft’s Garmin GTX 330 Mode S transponder or other compatible third-party traffic devices). Then, when your aircraft lands, your journey continues with preloaded City Navigator® NT street mapping and turn-by-turn car navigation featuring text-to-speech audio technology that calls out streets by name.

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You get Bluetooth® support for wireless connectivity. And premium models even add lane assist, traffic alerts and more. Garmin aera series: It’s the ultimate fly/drive option.
The Garmin GPSMAP® 196 is a cross-platform navigator that is just as comfortable guiding you across the water or land as it is through the air. And with its crisp 3.8-inch diagonal grayscale display, it’s a value leader in big screen portable aviation GPS.

The WAAS-capable GPSMAP 196 has detailed moving map graphics, HSI steering guidance, Jeppesen® database and all the other pilot-friendly features you’ve come to expect from Garmin.

It even supports a comprehensive U.S. database of towers and obstacles (upgradable via the Internet) to help you see and avoid high-rise structural hazards in the vicinity of your flight path.

DIFFERENCES YOU CAN SEE
Garmin maximized the display on the GPSMAP 196 while keeping the overall size slim and compact. It features exceptional resolution and contrast and a fast processor for extremely quick map redraws.

NAVIGATION EXTRAS
Steering guidance is clearly presented through a graphic HSI with VNAV indicator offering a full range of horizontal and vertical awareness. Extended runway centerlines help orient pilots to the runway. And an automatic log book calculates your flight time and automatically records departure and arrival locations. When used with our web downloadable PC software, this feature makes light work of P.I.C. records, leaving you more time for other excursions. The 196 also has GPS-derived panel page featuring a graphic HSI and indicators for ground speed, altitude, rate of turn indicator and VSI.

SPECIFICATIONS
- Receiver: WAAS-enabled, 12 channel
- Waypoints: 1000
- Routes: 50 with up to 50 points each
- Basemap: America, Atlantic or Pacific
- Uploadable maps: Accepts optional data cards for detailed maps from various MapSource CDs
- Battery life: 4-16 hours, based on backlight
- Display size: 3.8" diagonal (9.65 cm)
- Display type: 320 x 240 pixel, 12-level gray FSTN
- Weight: 1.5 lbs (680 g) with batteries

GUIDANCE BEYOND THE COCKPIT
The GPSMAP 196 compromises nothing in its versatility to go from cockpit to land to water. Just select a destination and the 196 will automatically calculate a route from your current location and display turn-by-turn directions. You can also dial up the mapping capability with detailed street-level maps or marine cartography from the optional auto and marine kits (sold separately).

A POWERFUL PORTABLE THAT ACTS LIKE A PANEL

When navigating on land, a highlighted route line guides you to your destination.

With detail from the optional BlueChart® CD, the 196 shows navaids, depth contours, restricted areas and more.
When it’s all about traveling fast and light, the Garmin GPSMAP® 96c handheld portable is the go-to guide you’ll want. A pilot-friendly operating system, simple one-thumb keypad control, and extensive database mapping, routing, and alerting features put a world of GPS capability in the palm of your hand.

Featuring a bright, sunlight-readable color transflective display, the 96c makes map detail easy to read. And the simple keypad design allows for easy one-hand operation. Drawing upon an extensive Jeppesen® database – plus another for towers and obstructions – the 96c is a portable paragon of moving-map situational awareness. You can view Jeppesen airport data overlaid on the map, and receive alerts when hazardous terrain or obstacles loom ahead. In addition, the 96c shows localizer-like runway extensions and graphic HSI steering with GPS-derived VNAV for added orientation. And optional MapSource® marine, topo and city street mapping downloads, along with a built-in auto routing basemap, let you go from plane to boat to hiking boots without missing a beat. On land, sea or air, Garmin’s 96c offers nav versatility by the fistful.

### Specifications

**Receiver:** WAAS-enabled, 12-channel

**Waypoints:** 1000

**Routes:** 50 with up to 50 points each

**Basemap:** Americas, Atlantic or Pacific

**Uploadable maps:** Accepts optional MapSource CD downloads

**Battery life:** Up to 30 hours (96C)

Up to 20 hours (96)

**Size:** 2.7”W x 6.2”H x 1.4”D

**Display size:** 3” diagonal

**Weight:** 7.6 oz (215 g) with batteries

**Coverage:** Varies by product

**Airports:** Identifier, city/state, country, facility name, latitude/longitude, elevation, fuel service, control, approach information

**VORs:** Identifier, city/state, country, facility name, latitude/longitude, frequency, co-located DME/TACAN, magnetic variation, weather broadcast

**NDBs:** Identifier, city/state, country, facility name, latitude/longitude, frequency, weather broadcast

**Intersections:** Identifier, country, latitude/longitude, nearest VOR

**Runways:** Designation, length, width, surface, lighting, pilot-controlled lighting frequency

**FSS:** Identifier, reference VOR, frequency usage

**Frequencies:** Approach, arrival, control area, departure, Class B, Class C, Class D, TRSA with sector and altitude and base usage info; also: AFS, ARIN, AOS, safety, clearance delivery, ground, pre-taxi, tower, unicom, localizer and ILS

**ARTCC:** Identifier, frequency usage

**MSAs:** Minimum safe altitude along and in proximity to active flight plan

**Approaches:** Non-precision and precision approaches from NAIP and MAP

**Aerodromes:** Class B and C with sectors, international CTAs and RNAV with sectors, all special use airspace, including NAIP, prohibited and restricted areas with controlling agency and airspace
Pilots are attracted to our GPS portables for any number of valid reasons: Innovative designs. Quality construction. Useful features. Smart technology. Compact size. Value pricing. Simple operation.

But, in the end, it's the total support we put behind every product in our lineup that turns first-time Garmin buyers into loyal, long-term Garmin customers.

We want you to have a great user experience with any and every Garmin product you select:

**TOTAL SUPPORT AT YOUR FINGERTIPS**

- That's why every Garmin product is warranted to be free from defects in materials or workmanship for one full year from your date of purchase.
- That's why you'll find over 700 authorized service centers standing by to support our aviation customers in virtually every corner of the globe.
- And that's why Garmin attracts and hires some of the industry's brightest technical minds to serve in our factory support positions. Their troubleshooting expertise is available by phone, fax or online – whenever you have a question or service issue that demands the right answer, right now!

No other GPS manufacturer does more to put total navigation confidence at your fingertips.