The Garmin aera™ lineup of touchscreen GPS portables, featuring crisp 4.3-inch QVGA wide-format displays with menu-driven tap-and-drag user interface. Transition seamlessly from runways to roadways with the best in Aviation and Automotive moving-map navigation. Leveraging Garmin’s industry-leading expertise in integrated systems design, the aera series offers a full range of smart, easy-to-use guidance solutions for today’s pilot/motorist. In your aircraft, the aera’s detailed mapping and terrain and aviation data (including private airports and heliports) help you visualize your flight path in relation to nearby airports, terrain, SUAs, obstructions, and so on. For added safety, a database-driven terrain advisory feature offers TAWS-like color coding and pop-up alerts when possible obstructions or ground proximity conflicts loom ahead. Garmin’s patented Panel Page affords a reassuring backup to your panel-mounted instruments with its exclusive display of GPS-derived HSI, altimeter, groundspeed, vertical speed and turn indication. Plus, on the aera 550 and 560 models, preloaded Garmin SafeTaxi® charts provide detailed taxiway diagrams and position information for over 950 U.S. airports – while an included AOPA Airport Directory database gives you detailed listings, phone numbers, facilities and fuel location information on over 7,400 U.S. landing sites, as well as airports of entry for Canada, Mexico and the Caribbean. Other premium aera 550/560 features include high-resolution 9 arc-second terrain/obstacle detail, database-derived IFR airways map mode, and more. Further, TIS traffic alerting is supported by all four traffic models (through an interface with your aircraft’s Garmin GTX 330 Mode S transponder or other compatible third-party traffic devices). Weather-watchers take note: For continuous inflight weather awareness, both the aera 510 and 560 models provide access – via Garmin’s GXM 40 Smart Antenna/Receiver – to the latest in XM WX™ Satellite Weather capabilities! You can even access select XM weather products in auto mode as well. Plus, the simplicity of a single integrated catalog solution for power, music and datalink weather options makes easy for a clutter-free aera system in your cockpit. With the Garmin aera series, you’ve got a world of navigation capability at your fingertips. And with four great models to choose from, it’s easy to find the aera portable solution that perfectly matches your needs and budget. Revolutionary new 3D Vision technology shows a virtual 3-D behind-the-aircraft perspective of surrounding terrain derived from GPS and the onboard terrain database – a feature previously only available on our Panel-mount avionics. Simply slide your finger across the touchscreen to rotate the view and show land and water features, obstacles, runways and airport signposts in relative proximity to the aircraft. Internal GPS provides position updates at a rate of 5 times per second (S Hz). aera 796’s bright 7” diagonal high-definition sunlight-readable display makes detailed mapping easy to see in any lighting conditions and works in both portrait and landscape. The 796 has been designed to fit on the yoke. Under the hood, there are 4 touch keys on the bezel representing “Back”, “Menu”, “Direct-to” and “Nearest” for quick navigation to the most frequently used functions. All other functions are quickly accessed through Intuitive onscreen icons with labels. This unique touchscreen interface even allows you to quickly pan across the map screen and pinch to zoom. Fulfills the role of either a Class I or Class II electronic flight bag, greatly reducing the need to rely on paper charts in the cockpit. Initial georeferenced VFR sectional and IFR enroute charts come preloaded that show your aircraft’s position overlaid directly on the relevant chart. When in IFR map mode, the 796 can display vector airways, jet routes, minimum enroute altitudes and leg distance, much like what’s found on traditional enroute charts. A “scratch pad” feature also allows you to quickly jot down clearances and other pertinent notes while in route, and a checklist viewer allows you to create customized and interactive electronic checklists. Also allows for a top-down view of your route from unfamiliar airports, SafeTaxi® provides detailed taxiway diagrams and position information for over 1,000 U.S. airports, while a private airport and heliport database greatly expands your emergency “nearest” options. FBO, ground transportation, lodging and other facility information for most U.S. airports are also available through preloaded AOPA Airport Directory Data; international pilots may choose to opt for global AC-U-KWIK airport directory data instead. A GX 40 smart antenna is included with any 796, giving you access to high-definition weather and audio entertainment right in the cockpit. XM WX subscription required. XM WX™ Satellite Weather includes next generation radar (NEXRAD), aviation routine weather reports (METARs), terminal aerodrome forecasts (TAFs), temporary flight restrictions (TFRs), lightning, wind aloft and more for the U.S. and Canada. In addition, the 796 can receive PIREPs, turbulence forecasts, icing forecasts and more. The weather data can be laid directly over the unit’s navigation and topographic map databases. Plus, with 170+ channels of digital music, news and programming through your aircraft headset or cabin audio system, you’ll stay informed and entertained. 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