

# Garmin Aera 760



## Overview

The aera® 760 is a premium all-in-one aviation portable complete with a built-in GPS/GLONASS receiver that is purpose-built for the pilot and cockpit. The aera 760 boasts a 7-inch bright, sunlight readable touchscreen display that can run on battery power for up to four hours on a single charge. Along the bezel, an industry-standard USB-C connection is used to charge and power the aera 760, while a microSD card slot allows pilots to load topography and street maps or use it to easily transfer user

waypoints. The aera 760 features an intuitive user-interface resembling that of many other popular Garmin products such as the GTN™ Xi series, G3X™ Touch and Garmin Pilot™ allowing pilots to easily transition between multiple Garmin products in the cockpit. Capable of operating in harsh conditions, the aera 760 has also been tested and hardened to meet stringent temperature and vibration standards.

### Flight Plan Features

New to the aera 760, pilots can load departures, arrivals and instrument approach procedures (IAPs) within a flight plan, which can be wirelessly transferred to a navigator in the cockpit. Once a procedure is loaded within the aera 760, pilots have the option to view the chart or they can overlay it on the moving map. IFR enroute charts, VFR sectionals and Garmin FliteCharts® are also geo-referenced, providing optimal situational awareness. Jeppesen electronic charts are compatible with the aera 760 and give customers worldwide access to instrument approach chart information. In addition to procedures, victor airways, user-defined holds and holds over an existing navigation fix can be entered into a flight plan.

### Connex Wireless Connectivity

Built-in Wi-Fi® and Bluetooth® allow the aera 760 to take advantage of Garmin Connex wireless connectivity inside and outside of the cockpit. When connected to Wi-Fi, pilots can easily download aviation database and software updates without the need to physically connect it to a computer. Prior to departure, pilots can also view worldwide weather information on the aera 760 when it's connected to Wi-Fi. In the cockpit, it is capable of wirelessly connecting to select products such as the GTX™ 345 or the GDL® 52 to display the benefits of Automatic Dependent Surveillance-Broadcast (ADS-B) traffic, Flight Information Service-Broadcast (FIS-B) weather, SiriusXM aviation weather and more via Bluetooth. Exclusive features such as TerminalTraffic™ and TargetTrend™ can also be viewed on the moving map and dedicated traffic pages.

### Hardwire Options

Pilots can hard-wire the aera 760's power, audio and dual RS-232 connections to receive additional benefits. When connected to a navigator such as the GTN 650Xi/750Xi, GTN 650/750, the aera 760 can send and receive flight plan data that is entered into the navigator over a serial port so all products remain synchronized throughout the flight. It is also capable of wirelessly connecting to these navigators when paired with a Flight Stream 210/510. When connected to a NAV/COM such as the GTR 225, GNC 255 or GTR 200, frequencies and airport identifiers can also be transferred from the aera 760 to the corresponding NAV/COM. For aircraft flying in visual conditions, pilots can optionally connect the aera 760 to select autopilots to fly lateral GPS and single point vertical navigation (VNAV) guidance. For example, pilots flying in visual conditions can fly a VNAV profile from their current altitude to pattern altitude using the aera 760 fully coupled to the autopilot.

## 3D Vision

3D Vision technology displays a virtual 3D perspective view of surrounding terrain, obstacles and airports, as well as a horizontal situation indicator (HSI) that is capable of showing lateral and vertical deviation bars. When the aera 760 is panel mounted or paired with a compatible attitude source such as a GDL<sup>®</sup> 52 or GTX 345, pilots can view synthetic vision (SVX), which adds the display of back-up attitude information on the portable.

## Additional Functionality

The aera 760 also features fuel price information, an E6B flight computer and weight and balance calculators. The E6B can be used prior to a flight to aid in calculating fuel burn, estimated time of arrival (ETA) and more. While in-flight, the aera 760 utilizes ground speed information to recalculate fuel burn and ETA. Helicopter operators also have access to features tailored to their unique operations, such as WireAware™ wire-strike avoidance technology. WireAware overlays power line locations and relative altitude information on the moving map and provides both aural and visual alerting when operating near power lines. With optional map data, pilots can also enter street intersections or non-aviation waypoints. GPS altitude display is offered in both mean sea level (MSL) and above ground level (AGL), so they are easier to identify relative to the aircraft flight path.

## Low-Cost Database Options

The aera 760 is compatible with the cost-effective Garmin Navigation Database that is available in the Americas with US coverage. A variety of annual bundles are also available, such as the U.S bundle which includes the Garmin Navigation Database, FliteCharts, IFR/VFR Charts, terrain, obstacles, SafeTaxi<sup>®</sup>, and the airport directory with fuel prices. Pilots can also add enhanced map information such as topography or street maps using a MicroSD card.

## Features

Garmin WireAware™

Internet Weather

Automatic Data Downloads

Up to 4 Hours Battery Life

Connex<sup>®</sup>

TargetTrend™ (When paired with compatible devices)

TerminalTraffic™ (When paired with compatible devices)

Smart Airspace

3D Vision with Virtual Behind-the-Aircraft Perspective View

3D Representation of Surrounding Terrain and Obstacles

## Specifications

Physical dimensions: 7.29"W x 4.85"H x 0.91"D (18.5 x 12.3x 2.3 cm)

Display size: 7" diag (17.8 cm)

Display resolution: WxH: 480 x 800; portrait and landscape orientation

Display type: touchscreen WVGA color TFT with white backlight

Weight: 19.8 oz (561 g)

Battery: Rechargeable lithium-ion  
Battery life: Up to 4 hours during most daytime conditions, (80% backlight)  
SBAS/WAAS/GLONASS receiver: high-sensitivity with WAAS position accuracy  
Voltage range: 10-35  
IFR or VFR: VFR/IFR  
USB connection: yes (USB-C)  
Expandable memory: yes (microSD™ cards)  
Compatible Interfaces  
Send and Receive Flight Plan Data  
GTN 650Xi/750Xi  
GTN 650/750  
GPS 175  
Transfer Frequencies and Airport Identifiers  
SL 30 / 40  
GTR 225  
GNC 255  
GTR 200  
Couple to Select Autopilots for VFR Navigation  
Fly lateral GPS  
Single Point Vertical Navigation (VNAV) Guidance  
Receive AHRS Information  
GTX 345 Transponder  
GNX 375 Transponder/Navigator  
GDL 50 Series  
GDL 39 3D  
ADS-B Traffic Information  
GTX 345 Transponder  
GNX 375 Navigator/Transponder  
GDL 50 and GDL 52 Datalink  
GDL 39 Series Datalink  
FIS-B Sources  
GDL 50 or GDL 52 Datalink Receiver (GGDL 51 or 52 provide SiriusXM Satellite Weather)  
GDL 39 Series Datalink  
GTX 345 Transponder  
GNX 375 Navigator/Transponder  
In The Box  
aera 760  
Mount cradle with CLA power cable  
USB-C 27W AC adapter  
USB-C to USB-C cable  
USB-C to USB-A cable  
Quick start manual and related documentation