March 1, 2016

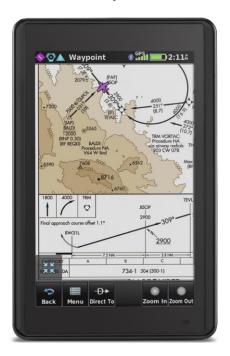# Garmin Unveils the aera 660 Next-Gen Aviation Portable

Affordable feature-rich navigation, stunning display and streamlined database updating

Garmin is pleased to announce the aera 660, a new cost-effective, feature-rich, purpose-built aviation portable. The compact 5-inch capacitive touchscreen boasts a bright, sunlight readable display complete with rich, interactive maps and a built-in GPS/GLONASS receiver that can be viewed in portrait or landscape modes for optimum customization. The aera 660 encompasses many of the features of the renowned aera® and GPSMAP® aviation portable series, adding new Connext® wireless capabilities, and more. With built-in Wi-Fi® database updating capabilities this allows customers to more easily access the most up-to-date data. Bluetooth® supports the display of ADS-B "In" traffic and weather[1] from a variety of sources, including the GDL® 39/GDL 39 3D, Flight Stream and the GTX 345 ADS-B transponder. The list price for the new aera 660 is $899.

Dedicated Compact Portable Navigator

The aera 660 features a 5-inch capacitive touchscreen display that is optimized for cockpits and various types of flying. An elegant yet rugged design allows the aera 660 to withstand harsh environments, meeting stringent temperature tests and helicopter vibration standards. The Garmin signature direct-to feature is always available so it's easy to command navigation functions or find nearest airports from any page. A mini-USB connector, microSD™ card slot and removable battery accompany a dedicated power button along the bezel of the aera. Depending on settings and external connections, pilots will receive up to 4 hours of battery life on a single charge. An intuitive user interface resembles that of the popular GTN™ 650/750 touchscreen series, aera 795/796 series and the Garmin Pilot™ app, so pilots can easily transition between the aera 660 and other Garmin products in the cockpit.

3D Vision

The 3D Vision page within the aera 660 leverages a worldwide terrain database to create a rich, 3D representation of rising terrain near the aircraft, while overlaying GPS-derived airspeed, altitude and vertical speed alongside flight plan information. 3D Vision also displays lateral and vertical (VNAV) deviation bars and includes a 360-degree HSI, which displays course deviation, track, bearing and more.

Bearing pointers can be manually configured to identify the nearest airport, complete with distance information. When connected to the GTX 345, GDL 39 3D or Flight Stream, the 3D Vision presentation is further enhanced with the display of pitch, roll and slip-skid information. A pilot-selectable presentation optionally displays flight instruments in round gauges or tapes overlaid on the 3D topographic landscape.

Connext® Wireless Connectivity

Wireless connectivity options set the aera 660 even further apart from other portables on the market. Wireless database updating capabilities add to the unique feature set of the aera 660. When connected to Wi-Fi, pilots can easily download and update aviation databases without the need to physically connect the aera to a computer. Additionally, the aera 660 supports connectivity with the Garmin VIRB® XE HD action camera, so pilots can control recording and take photos.

When paired with the GTX 345, Flight Stream or the GDL 39/GDL 39 3D, ADS-B traffic and weather[1] is wirelessly transferred and displayed on the aera 660. ADS-B traffic information may be viewed on the moving map, IFR/VFR charts and dedicated traffic pages, which also leverages patent-pending features such as TargetTrend™ and TerminalTraffic™. Traffic trajectories and potential conflicts are easier to identify with TargetTrend, which incorporates relative motion technology to help pilots visualize the future position of nearby traffic targets relative to the aircraft. The traffic picture is further enhanced during taxi, takeoff and landing with TerminalTraffic, which detects and displays other aircraft or ground vehicles on runways or taxiways that are also broadcasting ADS-B position information. SafeTaxi® geo-referenced airport diagrams also aid in situational awareness by identifying runways, taxiways, FBO's, hangars and more relative to the aircraft's position on the airport surface.

Enhanced Basemap, Global Charting Options, and More

Comprehensive chart options provide pilots with an easy path to a paperless cockpit in a compact device, which may be qualified for use as either a Class I or Class II Electronic Flight Bag (EFB). Geo-referenced IFR enroute, VFR sectional charts and Garmin FliteCharts® terminal procedures are available as part of the expansive database offerings associated with the aera 660. Using FliteCharts, pilots can easily view departure procedures (DPs), standard terminal arrival routes (STARs) and geo-referenced approach charts. Additionally, Garmin ChartView™ enables the display of Jeppesen charts with an optional subscription from Jeppesen. Similar to features found within other Garmin products, patented Smart Airspace™ is included in the aera 660 feature set. Smart Airspace highlights the airspace nearest the aircraft's current altitude and de-emphasizes non-pertinent airspace so pilots can quickly identify their location relative to the airspace around them.

The aera 660 is available in 4 regional versions with select regional data preloaded for North America, South America, Atlantic and Pacific regions. While each version is only available for purchase from Garmin in the corresponding

region, regional databases can be purchased for any unit from any region. For pilots in Europe, the Atlantic version of the aera 660 includes the new Enhanced Basemap, which provides VFR operators with more visual landmarks and intersections that are often used when contacting air traffic control. Additionally, when selecting a street or intersection on the moving map of the aera, street names populate so it's easier to identify aircraft location while navigating over an urban or unfamiliar environment. Operators may also incorporate City Navigator® NT street maps to enable address look-up functions within the aera to easily navigate to street intersections during off-airport operations.

Connect with Garmin Avionics

The aera 660 come with an aviation mount kit and cigarette lighter adapter as a standard accessory (pictured). Pilots can connect an optional bare wire cable to the aircraft instrument panel and expand the utility of the aera 660 by utilizing power, audio and dual RS-232 connections. When paired with a navigator such as the GTN 650/750 touchscreen series or the GNS 430W/530W, the aera can receive flight plan data entered into the navigator over a serial port and remain synchronized throughout the flight. When connected to a NAV/COM such as the GTR 225, GNC 255, GTR 200, SL 30 or SL 40, frequencies and airport identifiers can also be transferred from the aera to the corresponding NAV/COM. Additionally, ADS-B traffic and weather[1] can be transferred via the wired connection to the aera 660 when linked to the GTX 345, GDL 39 or GDL 39 3D..

With its long list of features, the aera 660 combines many of the capabilities of panel-mounted avionics with a value-packed, purpose-built package. It's a dedicated aviation portable that's ready to fly, right out of the box. The aera 660 is expected to begin shipping late March 2016. Please contact your Regional Sales Manager with any questions.

aera 660 Aviation Portable

Part Number	Description	List Price
010-01518-01	aera 660 Atlantic	$899.00
Optional Accessories		
010-12373-00	aera 660 Aviation Cradle, CLA	$64.99
010-12373-01	aera 660 Aviation Cradle, Bare Wires	$64.99
010-12373-02	aera 660 Aviation Cradle, GDL	$64.99
010-11385-00	aera Yoke Mount (Bracket Only)	$49.99
010-10702-00	GA 25, MCX Remote GPS Antenna	$31.49
(All prices are in USD)		

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aera 660

Features	Specs	
3D Vision	Physical Dimensions	5.5"W x 3.4"H x .8"D (14.1 x 8.7x 2.1 cm)
Wireless Database Updating	Display Size	4.35"W x 2.61"H (11.1 x 6.6 cm); 5.08" diag (12.9cm)
Garmin WireAware™	Display Resolution	WxH: 480 x 800
Connext®	Display Orientation	portrait and landscape
TargetTrend™ (When paired with compatible devices)	Display Type	touchscreen WVGA color TFT with backlight
TerminalTraffic™ (When paired with compatible devices)	Weight	8.64 ounces (245 g), with battery
Smart Airspace™	Battery	removable, rechargeable lithium-ion
Preloaded Garmin FliteCharts®	Battery Life	Up to 4 hours during typical use
Animated NEXRAD (When paired with compatible devices)	GPS Receiver	SBAS/WAAS/GLONASS
SafeTaxi®	GPS Antenna	Built-in, optional external antenna (not included)
Fuel Prices	Removable Memory Slot	Yes (microSD™ compatible)
VIRB® XE Control	Wireless Connectivity	Wi-Fi®, Bluetooth®, ANT+®

[1]FIS-B Weather is a US only service

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