

GARMIN®

æra®

model: 660



Quick Start Manual

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This manual reflects the operation of System Software version 3.50 or later. Some differences in operation may be observed when comparing the information in this manual to earlier or later software versions.

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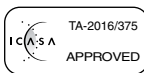
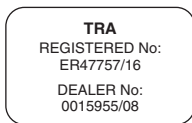
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IFT: RCPGAAE16-0525



UNIT OVERVIEW



Unit Overview

Installing the battery:

- 1) Locate the lithium-ion battery that came in the product box.
- 2) Locate the metal contacts on the end of the lithium-ion battery.
- 3) Insert the battery so that the metal contacts on the battery line-up with the metal contacts inside the battery compartment.
- 4) Insert the battery into the battery compartment, and push until it clicks into place.




Unit Overview - Battery

Charging the unit's battery using the aircraft's power outlet:

- 1) Mount the aera 660 in the aircraft and connect the power cable to the aircraft power outlet (cigarette lighter receptacle).
- 2) Route the power cable so that it does not interfere with aircraft operation. The unit begins charging as soon as external power is applied.

GPS RECEIVER STATUS

The  bars located at the top of the screen indicate the GPS signal strength.

Viewing the GPS status:

From the **Main Menu**, touch **GPS Info** > **GPS** tab.

DISPLAY ORIENTATION

The aera 660 can be viewed in either Portrait or Landscape Mode.

Changing the display orientation:

- 1) From the **Main Menu**, touch **Tools** > **Setup** > **Display**
Or:
Press the Power Button once quickly.
- 2) Touch **Landscape** or **Portrait**.

OPERATION

DEDICATED PAGE ICONS

Dedicated Page Icons are located vertically on the right side of the screen in landscape mode or horizontally along the bottom of the screen in portrait mode.



Scroll up



Scroll down

Nearest Group Icons
(Nearest Page Only)



Airport



Apt Wx



VOR



NDB



INT



User WPT



City



ARTCC



FSS



Airspace

OR



Touch to zoom out

OR



Touch to zoom in

OR



Weather Group Icons
(Weather Page Only)



Radar
Composite



Cloud
Tops



Echo
Tops



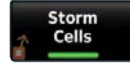
Winds
Aloft



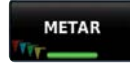
Temps
Aloft



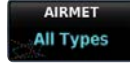
Lightning



Storm
Cells

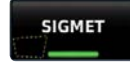


METAR

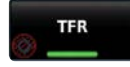


AIRMET
All Types

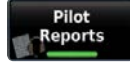
OR



SIGMET



TFR



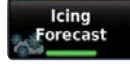
Pilot
Reports



Freezing
Level



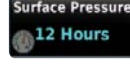
Turbulence
Forecast



Icing
Forecast



Wx Forecast
12 Hours



Surface Pressure
12 Hours



Direct-to function



Page menu



- Previous Screen
- Main Menu (Touch and Hold)

OR








Cancel map pointer

MAIN MENU



Touch the following icons to display the associated page or menu:












	Map	Displays the Map View.
	Charts	Displays the VFR or IFR charts.
	3D Vision	Displays 3D Vision.
	Nearest	Displays the Nearest Page.
	Waypoint	Displays Waypoint Information.
	Flight Plan List	Displays the Flight Plan List.
	Active Flight Plan	Displays the Active Flight Plan.
	Traffic	Displays the dedicated Traffic Page.
	Terrain	Displays the Terrain View.
	Weather	Displays Weather Map Page.
	GPS Info	Displays current position and satellite status.
	Tools	Displays second-level Tools Icons.

Touch and hold the  icon at any time to display the **Main Menu**.

NEAREST ICONS






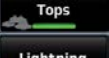
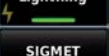

From the **Main Menu**, touch the  icon to access the Nearest Page.

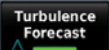
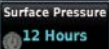
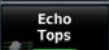
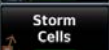






Touch these Nearest Group Icons to display the associated function:

	Airport	Displays nearest airports.
	Airport WX	Displays nearest airport weather.
	VOR	Displays nearest VORs.
	NDB	Displays nearest NDBs.
	Intersection	Displays nearest intersections.
	VRP	Displays nearest Visual Reporting Point (VRP) (Atlantic).
	User WPT	Displays nearest user waypoints.
	City	Displays nearest cities.
	ARTCC	Displays nearest ARTCCs (Air Route Traffic Control Centers).
	FSS	Displays nearest Flight Service Stations (FSS).
	Airspace	Displays nearest airspace.

WEATHER ICONS

With the Weather Page displayed, touch the **Products** icon  to access the Weather Products:













	Radar	Displays radar (composite or base reflectivity).
	Cloud Tops Forecast	Forecasted cloud top heights.
	Temps Aloft	Displays Temperatures Aloft.
	AIRMET	Displays AIRMETs.
	Freezing Level	Displays where icing conditions are likely.
	Cloud Tops	Displays cloud top height contours.
	Lightning	Displays lightning data.
	SIGMET	Displays SIGMETs.

	Turbulence Forecast	Displays turbulence data.
	Surface Pressure	Displays pressure isobars and centers.
	Echo Tops	Highest altitude with precipitation.
	Storm Cells	Displays storm cells and projected path.
	TFR	Displays TFRs.
	Icing Forecast	Displays SIP and SLD data.
	Winds Aloft	Displays Winds Aloft.
	METAR	Displays METARs.
	Pilot Reports	Displays PIREPs.
	Wx Forecast	Current & forecast weather conditions.

TOOLS

From the **Main Menu**, touch the **Tools** Icon to access the second-level Tools icons.

Touch the following second-level icons to display the associated function:

	Setup	Displays third-level Setup Icons.
	User WPT	Displays User Waypoints and Proximity Waypoints.
	Flight Log	Displays Flight Logs.
	Track Log	Displays Track Logs.
	VNAV	Displays Vertical Navigation.
	Profile	Displays Aircraft Profiles.
	E6B	Displays the E6B Calculator.
	Weight/Bal	Displays the Weight & Balance.
	Data Link	Displays the Data Link Info Page.
	Downloads	Displays available downloads.
	SiriusXM Audio	Displays the Sirius XM Audio Page.
	Database	Displays database and software version information.



User Timer

Displays User Timer.



VIRB

Displays VIRB Remote Page.





Simulator

Drives simulator.

SETUP ICONS



From the **Main Menu**, touch the **Tools**  > **Setup**  to access the third-level Setup Icons. Touch these third-level icons to perform the associated function:



Display

Displays backlight intensity/timeout, color mode (map/chart), screenshot (on/off), and aircraft position settings.



Sound

Displays sound settings.



Units

Displays unit settings.



Time

Displays time settings.



Map

Displays Navigation Map settings.



Position

Displays position settings.



Interface

Displays interface settings.



Alarms

Displays alarm settings.



Airspace

Displays Special Use Airspace alarm settings.



Connex[®]

Displays Connex interface settings.



Weather

Displays weather data source setting.



Bluetooth[®]

Displays Bluetooth connection settings.



Wi-Fi

Displays Wi-Fi settings.



Power

Displays Power Loss Warning settings.



3D Vision

Displays 3D Vision settings.



Navigation

Displays Navigation settings



Keyboard


Displays Keyboard settings.

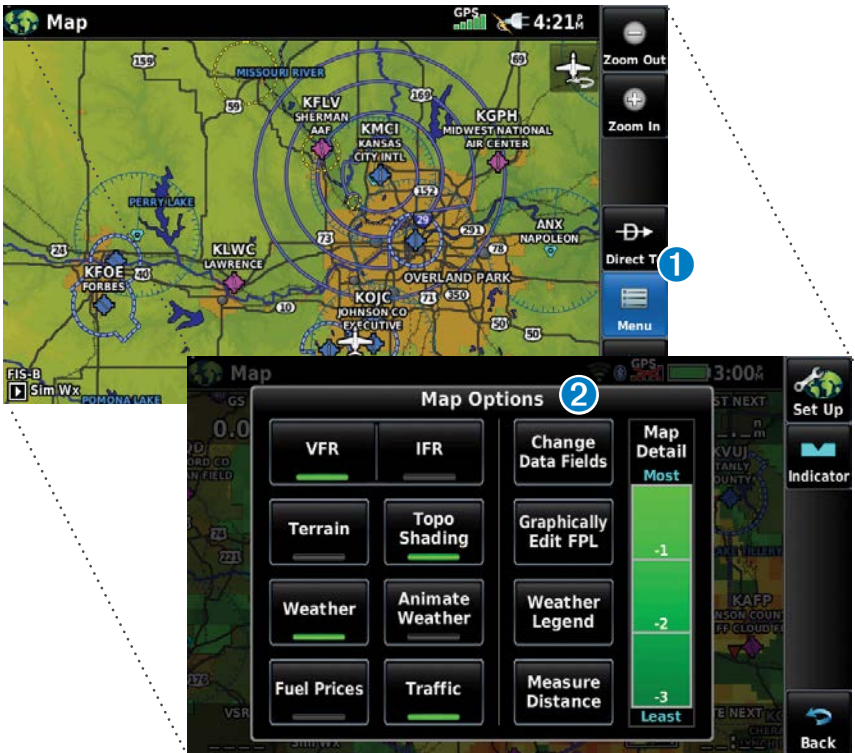
OPTION MENU



The aera 660 has a dedicated **Menu** icon that displays a context-sensitive list of menu options available.






Navigating the option menu:

- 1 Touch the  icon
- 2 Touch the desired menu option.



DATA ENTRY

The following icons are displayed in the data entry window.

	Enter	Exits the keypad function and accepts the changes.
	Backspace	Erases the current data.
	Numeric/Alpha/ Symbol	Displays the numeric, alpha, or symbol keypad.
	Symbol	
	Cancel	Cancels a value that has been edited.

Entering alphanumeric data:

- 1 When alphanumeric data can be entered, a keypad will appear after touching the desired datafield.
- 2 Touch the keypad letters or numbers to enter the desired data.
- 3 Touch **Enter**.



USING MAP DISPLAYS

Cancel Map Pointer



Map Feature Button

Green Arrow Indicating Multiple Features are Present at the Map Pointer Location

Bearing to the Pointer from the Aircraft's Present Position

Time En Route to the Pointer from the Aircraft's Present Position


Distance to the Pointer from the Aircraft's Present Position

Elevation at the Pointer Location

Lat/Lon at the Pointer Location

Map Panning (Navigation Map)






Activating the map pointer:

- 1) While viewing a Map Display, touch anywhere on the map to activate the map pointer.
- 2) Touch the  icon to cancel the map pointer.

Panning the map:

While viewing a Map Display, touch anywhere on the map and drag.

Reviewing information for a map feature:

- 1 While viewing a Map Display, touch anywhere on the map to activate the map pointer. When the Map Pointer is over a map feature, the map feature is highlighted, an information box appears on the map, and the highlighted map feature is displayed on the Map Feature Button. If multiple features are present at the Map Pointer position, green arrows will appear on the Map Feature Button.
- 2 If necessary, touch the   buttons to cycle through the list of map features present at that position. Touching the   buttons changes the highlight and description.
- 3 Touch the Map Feature Button to review information for the Map Feature.
- 4 If desired touch **Direct-to**  to navigate to the map feature.



BLUETOOTH®

Connecting/Pairing to a weather/traffic/audio device via Bluetooth:

- 1) Ensure the weather/traffic device is turned ON. From the **Main Menu**, touch **Tools > Setup > Bluetooth > On**.
- 2) Touch **Not Paired** or **Not Connected** next to the device. A Bluetooth Passkey window will open.
- 3) Touch **OK**. The weather/traffic device is now connected.

'EASY UPDATE' DATABASE DOWNLOADING AND INSTALLATION (AUTOMATED AND USER-INITIATED)

Database purchases are available online (www.fly.garmin.com). However, once the databases are purchased online, the ability to download and install databases is available from the aera 660 via Wi-Fi.

Database downloads can be automatically downloaded as updates become available, or be user-initiated.

Enabling automated database downloads:

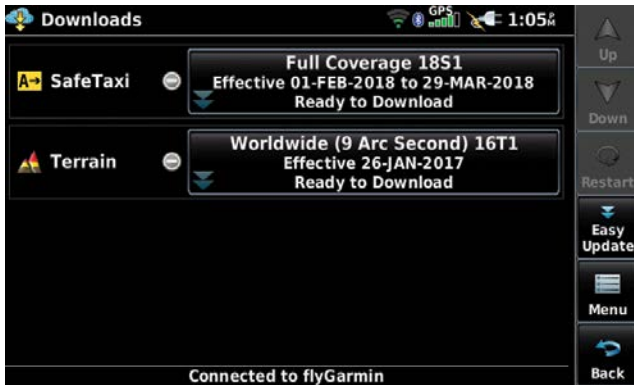
- 1) If Automatic Database Downloads are currently disabled, from the **Main Menu**, touch **Tools > Downloads**.
- 2) Touch **Enable Automatic Downloads**. This enables the unit to automatically download databases as they become available. The user is prompted when a database is ready for installation.



Enabling Automatic Downloads

User-Initiated database download/install:

- 1) From the **Main Menu**, touch **Tools** > **Downloads**.
- 2) Touch **Easy Update** to begin downloading all updated databases. Databases will continue to download even if the **Downloads** page is not displayed.



Database Downloads Page

- 3) Use unit as normal, following prompts as necessary.

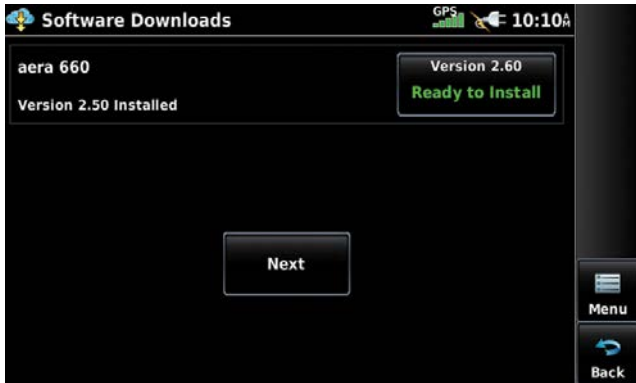
SOFTWARE UPDATES

In addition to databases, the aera 660 will check for software updates when connected to the internet over Wi-Fi. The aera 660 can use Wi-Fi to update its system software, as well as any other software available from Garmin.

Software downloads can be either user-initiated or configured to automatically download as updates become available.

User-Initiated software download/install:

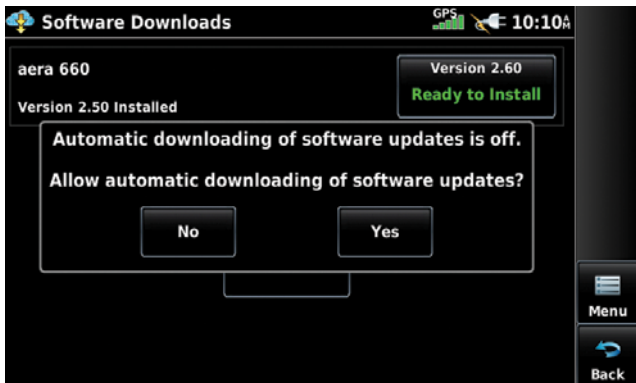
- 1) From the **Main Menu**, touch **Tools > Downloads**.
- 2) Touch **Menu > Software Downloads**.
- 3) Touch the desired software update and touch **Next**.
- 4) Read the Software License Agreement and touch **Agree and Install**.



Software Downloads Page

Enabling automated software downloading:

- 1) If Automatic Software Downloading is currently disabled, from the **Main Menu**, touch **Tools > Downloads**.
- 2) Touch **Menu > Software Downloads > Menu**.
- 3) Touch **Yes**.



Enabling Automatic Software Downloads

Automated software download/install:

If Automatic Software Downloading is currently enabled (refer to previous procedure), a 'Update Software' window is automatically displayed once a software update becomes available.

- 1)** From the 'Update Software' window, touch **Yes** to view the update.
- 2)** Touch the desired software update and touch **Next**.
- 3)** Read the Software License Agreement and touch **Agree and Install**.



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