GARMIN

GI 275

Multi-Function Instrument Installation Manual

190-02246-00 November, 2019 Revision 1

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RECORD OF REVISIONS

Revision	Revision Date	Description
1	11/06/19	Initial release

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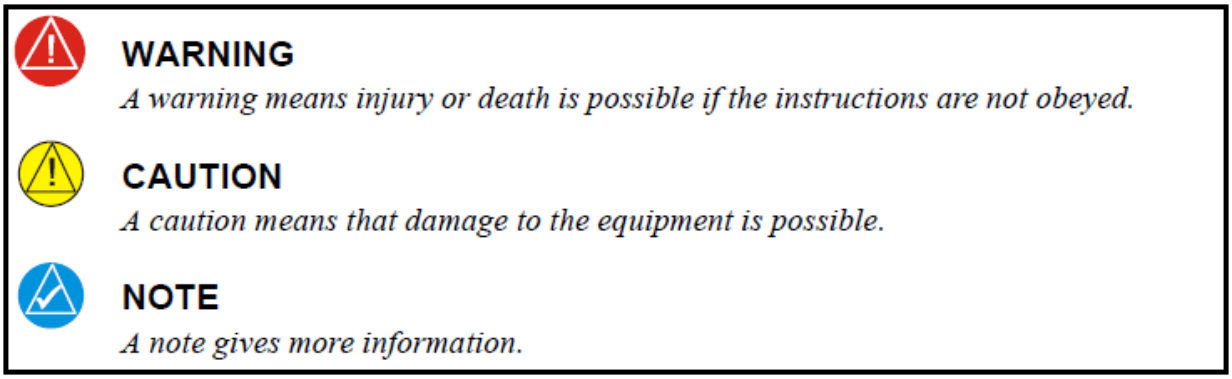
CURRENT REVISION DESCRIPTION

Revision	Page Number(s)	Section Number	Description of Change
1	All	All	Initial release

DEFINITIONS OF WARNINGS, CAUTIONS, AND NOTES



WARNING

This product, its packaging, and its components contain chemicals known to the State of California to cause cancer, birth defects, or reproductive harm. This Notice is being provided in accordance with California's Proposition 65. If you have any questions or would like additional information, please refer to our web site at www.garmin.com/prop65.

WARNING

Perchlorate material – Special handling may apply. Refer to www.dtsc.ca.gov/hazardouswaste/perchlorate.

WARNING

Failure to properly configure the EIS gauges per the POH/AFM and other approved data could result in serious injury, damage to equipment, or death.

CAUTION

To avoid damage to the GI 275, take precautions to prevent electrostatic discharge (ESD) when handling the unit, connectors, and associated wiring. ESD damage can be prevented by touching an object of the same electrical potential as the unit before handling the unit itself.

CAUTION

The GI 275 lens is coated with a special anti-reflective coating which is very sensitive to skin oils, waxes and abrasive cleaners. CLEANERS CONTAINING AMMONIA WILL HARM THE ANTI-REFLECTIVE COATING. It is very important to clean the lens using a clean, lint-free cloth and an eyeglass lens cleaner that is specified as safe for anti-reflective coatings.

NOTE

All screen shots used in this document are current at the time of publication. Screen shots are intended to provide visual reference only. All information depicted in screen shots, including software file names, versions, and part numbers, is subject to change and may not be up to date.

NOTE

The GI 275 has a plastic film on the display glass to protect from scratches during shipping and installation. The film should be removed and discarded prior to flight.

NOTE

This device does not contain any user-serviceable parts. Repairs should only be made by an authorized Garmin service center. The battery pack may be replaced or serviced by a licensed A&P technician. Unauthorized repairs or modifications could result in permanent damage to the equipment, and void your warranty and your authority to operate this device under Part 15 regulations.

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NOTE

Access to additional operation, installation and safety information can be obtained at www.garmin.com.

Users should obtain the most recent copy of the product manuals prior to equipment, configuration, installation and/or use.

1.3.7 Transmitter Grant of Equipment Authorization

Table 1-23 Equipment Authorization

Country (Telecommunications Authority)	Authorization
United State (FCC)	FCC ID: IPH-03333
Canada (ISED)	IC: 1792A-03333 IC M/N: GMN-01912

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

lnnovation, Science and Economic Development Canada Compliance

This device complies with Innovation, Science and Economic Development Canada license-exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

Cet appareil est conforme aux normes RSS sans licence du ministère Innovation, Sciences et Développement économique Canada. Son fonctionnement est soumis aux deux conditions suivantes: (1) ce périphérique ne doit pas causer d'interférences et (2) doit accepter toute interférence, y compris les interférences pouvant entraîner un fonctionnement indésirable de l'appareil.

RF Exposure Compliance Statement

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator and your body. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

Cet appareil est conforme à la réglementation FCC relative aux limites d'exposition aux radiations applicables en environnement non contrôlé. Cet appareil doit être installé et utilisé à une distance minimale de 20 cm entre le radiateur et le corps. Cet émetteur ne doit pas être placé ou utilisé en conjonction avec d'autres antennes ou émetteurs.

NOTE

Access to additional operation, installation and safety information can be obtained at www.garmin.com.

Users should obtain the most recent copy of the product manuals prior to equipment, configuration, installation and/or use.

1.7 Operating Instructions

This section contains generic operating instructions for TSO purposes only and is not to be used in place of field operating instructions. Upon system power up, the absence of system messages indicates that the GI 275 is fully operational.

For detailed operating instructions, please refer to the GI 275 Pilot's Guide, Part Number 190-02246-01.

1.7.1 Controls

The GI 275 features a 2.69" circular capacitive touchscreen and an Outer and Inner Knob in the lower left corner. The Inner Knob can be pushed. All operations are done with the Knobs or touchscreen. The touchscreen can be operated with bare fingers or gloves made for capacitive touchscreens.

Figure 1-2 GI 275 Controls (HSI Map Page)

1.7.2 Touchscreen

Table 1-31 Touchscreen Gestures

Gestures	
Touch	Touch is touching the screen briefly with a single finger. A touch can select a menu, activate a command key or data entry field, display map feature information, or select a button.
Touch and Hold	Certain momentary controls (e.g., directional arrow keys, CRS Button, HDG Button) provide a secondary touch and hold function. Touch key and hold finger in place. Lift up once the desired action occurs. Use this gesture for scrolling and increasing/decreasing values continuously.
Swipe	Touch object with finger, slide finger across screen, then lift up. A swipe is a smooth motion used for viewing and scrolling lists, panning across a map, or opening the menu.
Scroll	This is similar to a swipe, except the finger leaves the screen after a quick upward or downward motion. Screen information moves at a fast speed, then slows down as it stops. Scrolls through an item list faster than by pressing the scroll arrow buttons.
Pinch & Stretch	Touch any map or chart with two fingers at the same time. Then, bring fingers together (pinch) or apart (stretch). Stretch to zoom in and pinch to zoom out. Use these gestures to magnify map features or identify multiple objects in close proximity.

1.7.3 Page Navigation

On units not configured as a Primary ADI, a page navigation bar is displayed on the top portion of pages/ indicators when the Outer Knob is adjusted. The text shows the name of the active page, and the circles on the bottom of the bar indicate where in the list the current page is located. Additionally, a Knob function legend is displayed.

Changing pages:

Turn the Outer Knob clockwise to navigate to a page on the right or counterclockwise to navigate to a page on the left. For units with an ADI Page, a rapid Outer Knob counterclockwise turn will immediately navigate to the ADI Page.

1.7.4 Control Types

Annunciator Buttons

Annunciator buttons operate in an on/off state. An 'on' or enabled button displays a green annunciator; an 'off' or disabled button displays a gray annunciator. Touch the annunciator button to change its state.

Figure 1-3 Annunciator Buttons

Datafield Buttons

Datafield buttons can be modified based on information the pilot can enter or change, and often contain cyan alphanumeric text. Touching datafield buttons will either display a pop-up window from which a selection can be made, or display a keypad to supply the data. See the Data Entry discussion in this section for more information.

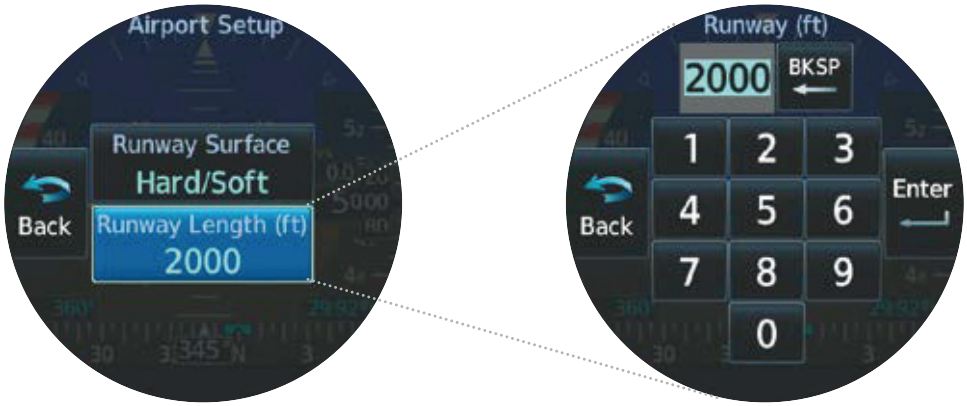

Figure 1-4 Datafield Button

Sliders

Some adjustments are made using horizontal or vertical sliders. To use, touch within the slider box and slide the finger in the desired slider bar direction, then release the finger; or, turn the Inner Knob. The finger may move outside of the slider box during adjustment; slider movement stops when either the finger is released or the slider has reached its maximum travel. Some adjustments can be done using the arrow keys underneath or next to the slider.

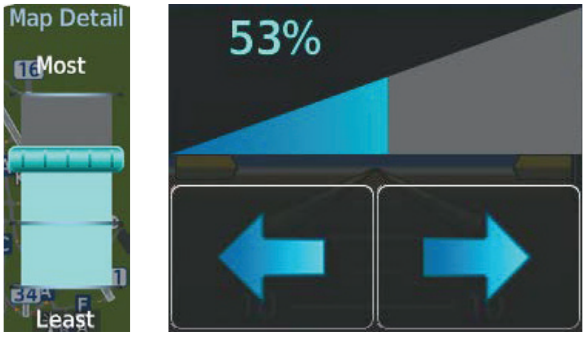

Figure 1-5 Map Detail and Click Volume Slider

1.7.5 PAGE MENUS

It may be necessary to open menus to access specific features.

Opening the menu:

With any page displayed, swipe up starting at the bottom of the screen.

Or:

With any page displayed, push and hold the Inner Knob.

Closing the menu:

From the menu, repeatedly touch the Back Button until the original page is displayed

Or:

From the menu, touch and hold the Back Button.

Or:

From the menu, push and hold the Inner Knob.

Or:

On ADI, HSI, and EIS units with a half-screen menu, touch the screen anywhere off the menu.

1.7.6 MENU NAVIGATION

Various menu items may be located under other menu items. It may be necessary to go through a few levels of intuitively organized menus to access desired functionality.

Selecting a menu item:

1. From the menu, scroll (up and down on most configurations, side-to-side on units configured as primary ADI, HSI, or EIS) to find the desired button.
2. Touch the desired button to select or toggle the highlighted item.

Or:

1. Turn the Outer Knob to move the selection highlight and scroll through the menu.
2. Push the Inner Knob to select or toggle the highlighted item.

1.7.7 DATA ENTRY

Data can be entered by using the touchscreen or knobs.

Entering data:

1. Select a Datafield Button. The keypad is displayed.
2. Touch the desired letters and/or numbers.
3. To enter a negative number, first input the positive value. Then, touch the +/- Button to toggle the negative sign.
4. Touch the Enter Button to save input.

Or:

1. With the keypad displayed, turn the Inner Knob to activate the cursor and enter the first letter and/or number. Turn the Inner Knob clockwise to increase and counterclockwise to decrease.
2. Turn the Outer Knob to move the cursor to the next character position (if applicable).
3. Repeat steps as necessary.
4. Push the Inner Knob to save input.

Or:

1. Highlight a numerical Datafield with the Outer Knob.
2. Turn the Inner Knob clockwise to increase the numerical value, or counterclockwise to decrease the numerical value.

Figure 1-6 Data Entry