

# QUICK REFERENCE GUIDE

## for the MODEL 618



Model 618



Model 618C



Model 618R

Note: This publication is provided for reference only. For complete operation instructions, refer to Operation Manual P/N 560-4016.



MANUFACTURER OF QUALITY NAVIGATION AND COMMUNICATIONS EQUIPMENT

2345 Turner Rd. S.E.  
Salem, OR 97302

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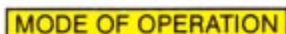
1-800-742-0077  
(503) 581-8101

## HOW TO USE THIS GUIDE

 = PRESS

 = TURN ("S" IS SMALL KNOB - "L" IS LARGE KNOB)










 = DISPLAYED INFORMATION

 = ANNUNCIATORS ON RIGHT SIDE OF SCREEN INDICATE WHAT TYPE OF INFORMATION IS BEING DISPLAYED

### NEED

### ACTION












#### GRI SELECTION


1.  to .
2. ,  to , then .
3.  to , then .



(See Operation Manual for "Manual Secondary Selection")

#### WAYPOINT SELECTION


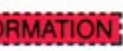



(from North American Database)

1.  to .
2.  to , then .
3.  to , then .
4.  to , then .


Repeat for each character. If you haven't used all of the spaces,  one last time.

If searching by "city" and your choice doesn't come up first, then , .

Repeat as needed to continue the search.

5.  for .
- 6a.  or . This puts your waypoint in the flightplan, and also copies it into the Pilot Copy Database.  
- OR -
- 6b.  to copy waypoint into the Pilot Copy Database without changing the flightplan.

#### FLYING FROM PRESENT POSITION - STORING PRESENT POSITION - CENTERING CDI

1.  twice in one second.  
This works anytime, in any mode, except when a waypoint is displayed  
Recall coordinates by locating "PPFR" identifier in "Pilot Copy" Database.

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**ALL NAVIGATION  
INFORMATION**

1. **MODE** to **NAV**, **L** to all NAV pages.

**POSITION COORDINATES**

Use Step 1 above to find **POSITION** page.

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**EMERGENCY SEARCH**

(for North America  
Database Airports Only)

1. **APR** **ENT** to **CLOSEST AIRPORT**.

(Press together) The NAV indicator will flash.

**S** to scroll **INFORMATION**.

**L** to scroll **AIRPORTS** in distance order.

- 2a. **TO** or **FRM**. Skip step 3.

-OR-

- 2b. **ENT** to copy the waypoint into the Pilot Copy Database without changing the flightplan, then

**EMERGENCY RESOLVED**

3. **APR** **ENT** to EXIT SEARCH.

(Press together) The NAV indicator will stop flashing.

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**NEAREST WAYPOINT  
SEARCH**

(APT's, VOR's, NDB's,  
Intersections, and  
Created Waypoints)

1. **MODE** to **WPT**.

2. **S** to **NEAREST WAYPOINT**, **ENT**.

3. **S** to **DESIRED CATEGORY**, **ENT**.

**S** to scroll **INFORMATION**.

**L** to scroll **WAYPOINTS** in distance order.

- 4a. **TO** or **FRM**. Skip step 5.

-OR-

- 4b. **ENT** to copy the waypoint into the Pilot Copy Database without changing the flightplan, then

5. **MODE** to EXIT SEARCH.

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**AIRSPACE MANAGEMENT**  
(Setup)

1. **MODE** to **SETUP**.
2. **L** to **ENT FOR AIRSPACE SETUP**; **ENT**.
3. **SEL**, **S** to **ON OR OFF**; **ENT**.
4. **S** to **DISTANCE BUFFER**.
5. **SEL**, **S** to **NUMBER OF MILES**; **ENT**.

Apollo Model 618's with optional Encoding Altimeter will have an altitude buffer also.

**AIRSPACE ALERT**

1. **AIRSP** flashes, **MODE** to **AIRSP**.
2. **ENT** to acknowledge alert (stops flashing). If **AIRSP** continues flashing, repeat this step for each airspace.  
**S** to scroll **INFORMATION**.  
**L** to scroll **AIRSPACES** in distance order.  
(See Operation Manual to disable Airspace Alert feature).

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**CREATING A WAYPOINT**  
(Pilot Created)

1. **MODE** to **WPT**.
2. **S** to **PILOT CREATED**; **ENT**.
- 3a. **L** LEFT to **ENT TO CREATE NEW WAYPOINT**.  
- OR -  
3b. **L** RIGHT to scroll through previously created waypoints.
4. **ENT**, **SEL**.

This tells the unit to skip "phantom waypoint" sequence and automatically use the present LAT/LON coordinates to create the waypoint.

(To change ID and/or Latitude and Longitude, continue on).

5. **S**, **ENT** repeat as needed.
- 6a. **TO** OF **FRM**.
- OR-  
6b. **ENT** to copy the waypoint into the Pilot Copy Database without changing the flightplan.

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**TO EDIT PREVIOUSLY CREATED WAYPOINT**

1. Display waypoint using Steps 1 - 3b above then
2. **SEL**, **SEL**, **ENT**.
3. Execute Step 5 above.



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## FLIGHTPLAN

1. **MODE** to **NAV**.
2. **L** to Flightplan Page **"FR/TO/NEXT"**.
3. **SEL** to start cursor flashing (on first line - "FR").
  - a. **S** to scroll **IDENTIFIER** from Pilot Copy database.
  - b. **ENT** to enter selected identifier and move cursor to next line.

Repeat steps 3a and 3b for each line as needed.

Note: When an **IDENTIFIER** is flashing, **SEL** will show **INFORMATION** on that identifier. **S** to scroll information, then **SEL** again to return to Flightplan **"FR/TO/NEXT"** page.

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## NAV PLANNER

1. **MODE** to **WPT**.
2. **S** to **"PILOT COPY DATABASE"**, then **ENT**.
3. **L** to **"ENT FOR NAV PLANNER"**, then **ENT**.

See Steps 3a, 3b, and "Note" from Flightplan instructions above.

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## QUICK DESTINATION INFORMATION

1. **MODE** to **NAV**.
2. **TO**, **S** to scroll **INFORMATION** on current destination.
3. **TO** to return to **NAV**.

**OTHER  
FEATURES**

**APPLICATION**

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<b>PILOT COPY DATABASE</b>	A database section for up to 500 of the most commonly used waypoints (like a custom database). Works in conjunction with the Flightplan Page, NAV Planner, and V-NAV functions to eliminate "Waypoint Selection" process (see the first page of this guide).
<b>FLIGHT-PLAN PAGE</b>	Edit flightplan; obtain waypoint information; bearing and distance to flightplan waypoints.
<b>NAV PLANNER</b>	Information for flight planning; waypoint information; bearing and distance between database waypoints. Can assign "TO" and "FROM" waypoints to flightplan page.
<b>AUTO-NAV</b>	Hands-off rotation of navigation displays. The pilot controls which pages are included, the order in which they appear, and how long each page is displayed.
<b>V-NAV (Vertical Navigation)</b>	Pilot can define a glideslope and V-NAV will display desired altitude.
<b>ALTIMETER (Optional II Morrow Blind Encoder Input)</b>	Provides altitude input to V-NAV and Airspace Alert functions. Allows front panel altitude display.
<b>CUSTOM NAV PAGES</b>	Pilot can customize navigation display pages as desired.
<b>AUTOMATIC CDI SENSITIVITY</b>	Automatically adjusts the CDI sensitivity depending on your distance off-course. Makes for a more useful CDI with hands-off adjustment, and better visual cueing to help keep you on course.