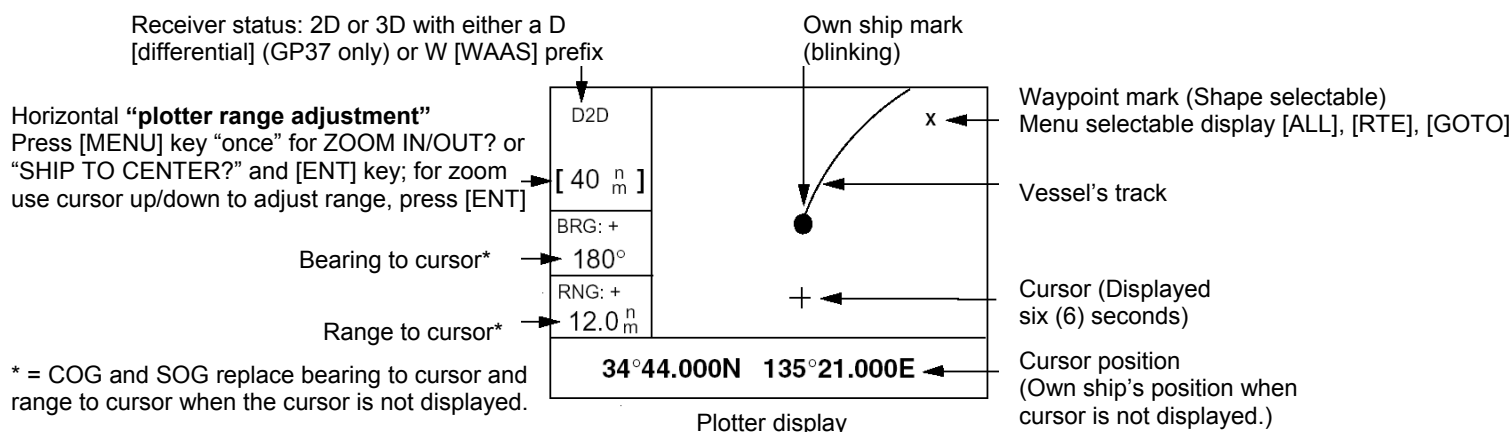# GP32/37 Operations and Information Quick Guide
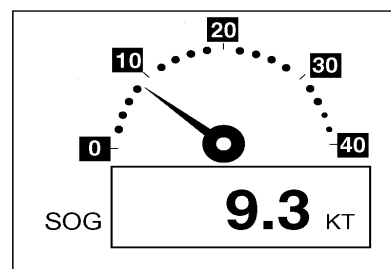
Specifications: 12-24 VDC, 340 ma (max), settling time ~12 sec's (90 sec's initial), accuracy (95%) ~5-7 m, 1-3m w/WAAS or DGPS

Receiver status: 2D or 3D with either a D [differential] (GP37 only) or W [WAAS] prefix

Own ship mark (blinking)

Waypoint mark (Shape selectable) Menu selectable display [ALL], [RTE], [GOTO]

Horizontal **"plotter range adjustment"** Press [MENU] key "once" for ZOOM IN/OUT? or "SHIP TO CENTER?" and [ENT] key; for zoom use cursor up/down to adjust range, press [ENT]

Vessel's track

D2D

[40 $\frac{n}{m}$]

x

BRG: +

Bearing to cursor* → 180°

Cursor (Displayed six (6) seconds)

RNG: +

Range to cursor* → 12.0 $\frac{n}{m}$

* = COG and SOG replace bearing to cursor and range to cursor when the cursor is not displayed.

34°44.000N   135°21.000E

Cursor position (Own ship's position when cursor is not displayed.)

Plotter display

User display (digital)
<u>Selectable sentences</u> (example shown right)

NONE	ODO	**TRIP**
TIME	POSN	**POWER**
SOG	**COG**	WPT
XTE	TTG	ETA

Press [MENU] until "MAIN MENU" appears
Select "USER DISP" and follow prompts

POWER(V)	SOG(KT)
12.1	**9.9**
TRIP(NM)	COG(°)
9.99	**5.6**

User display (digital)

20
10   30
0   40
SOG   **9.3** KT

User display (speedometer)

Keypad Operations:

<u>CURSOR PAD</u> - Shifts cursor (cursor displayed) and display (with cursor off)
- Selects items on menus
- Enters alphanumeric data

<u>MENU</u> – "MAIN MENU" press once (<u>twice</u> when in "plotter" or "high way" screen)
- [Plotter screen only] press once to "Zoom" or "Ship to center" also use to escape current function

<u>DISP</u> - Chooses display mode (press until desired mode is displayed)

<u>ENT</u> - Confirms menu selection and entered information

<u>GOTO</u> - Sets/cancels destination (press and select function from menu options)

<u>MARK/MOB</u> - Momentary press: Creates mark (waypoint)
- Long press: Creates MOB (Man Over Board) <u>can</u> edit or replace with new position (<u>cannot</u> erase)

<u>DIM/PWR</u> - Momentary press: Turns power "on", press for brilliance and contrast, use cursor pad to adjust
- Long press: Turns power "off" (after three second count down)

Waypoint Operations: (total of: 999 waypoints with comments)

- **<u>Entering a waypoint with the cursor</u>**
  1. Use cursor pad to move cursor to desired location
  2. Press the [ENT] key, then follow screen prompts
- **<u>Entering a waypoint at "own ship's" position</u>**
  1. Press the [MARK/MOB] key, then follow screen prompts
- **<u>Entering a waypoint from the waypoint list</u>**
  1. Press [MENU] until "MAIN MENU" appears
  2. Select "WAYPOINT" using the "cursor pad" and press [ENT] key
  3. Choose "List" (complete) or "Nearest" (closest 35 waypoints from present location), press [ENT] key
  4. Follow screen prompts using cursor pad to edit and/or add information, confirm using the [ENT] key

Route Operations: (total of: 50 routes with 30 waypoints each)

- **Creating a route with "cursor" (using "LOG RTE" function)**
  1. Use cursor pad to move cursor to desired location (shown at bottom of screen), press [ENT]
  2. Use cursor pad to edit waypoint name and press [ENT] to display waypoint information screen
  3. Use cursor pad to edit any additional information, then select [LOG RTE?] and press [ENT]
  4. Repeat steps 1 – 3 for additional waypoints (total of 30), selecting [LOG RTE?] before pressing [ENT]
  5. See GOTO operations below for navigating using a route

- **Creating a route with the "route menu"**
  1. Press [MENU] until "MAIN MENU" appears, select "ROUTE" using the cursor pad, press [ENT]
  2. "NEW?" is selected; press the [ENT] key. New route screen is displayed, press [ENT] to add waypoints
  3. Use the cursor pad to select appropriate waypoint and press the [ENT] key
  4. Repeat step 3 to select additional waypoints (total of 30)
  5. When finished adding waypoints use the cursor pad to select [EXIT?] and press the [ENT] key

- **Creating a route with the "waypoint list"**
  1. Press [MENU] until "MAIN MENU" appears
  2. Select "WAYPOINTS" using the cursor pad, press [ENT] key
  3. Choose "List" (complete) or "Nearest" (closest 35 waypoints from present location), press [ENT] key
  4. Select a waypoint, then press [ENT] key, use the cursor pad to select [LOG RTE?], press [ENT] key
  5. Repeat step 4 to add additional waypoints until route completed
  6. Press [MENU] (once only)
  7. Select "ROUTE" from "main menu" using the cursor pad and press [ENT] key
  8. Select [LOG] using the cursor pad and press [ENT]; "MOVE?" is selected, press [ENT] twice

- **Creating "track based" route manually**
  1. Press the [MARK/MOB] momentarily, edit waypoint if required, select [LOG RTE?], press [ENT]
  2. Repeat step 1 at course change or any other interval required
  3. When finished adding waypoints, press [MENU] key twice and select "ROUTES", press [ENT]
  4. Select "LOG" and press [ENT]; "MOVE?" is selected, press [ENT] twice

- **Creating "track based" route automatically** (position saved sequentially, display shows "saved", beep sounds)
  1. Press [MENU] until "MAIN MENU" appears
  2. Select "ROUTES" using the cursor pad, press [ENT] key
  3. Use cursor pad and [ENT] to select "INTERVAL:" TIME or DISTANCE (select appropriate values)
  4. Use cursor pad to select "VOYAGE ROUTE" and press [ENT]
  5. Select "START" and press [ENT], press the [MENU] key twice to finish (or message after 30 saved)
  6. When finished adding waypoints, press [MENU] key twice and select "ROUTES", press [ENT]
  7. Select "LOG" and press [ENT]; "MOVE?" is selected, press [ENT] twice

GOTO Operations: Navigating to a waypoint, route or cursor

- **Press [GOTO] key, select from the following using the cursor pad and confirm using [ENT] key**
  - WPT-LIST?   Destination by "list" (complete), select desired waypoint and press [ENT]
  - WPT-NEAR?   Destination by "near" (closest 35), select desired waypoint and press [ENT]
  - ROUTE?   Destination by "route" select desired route and press [ENT]
  - CURSOR?   Destination by "cursor" (?) mark appears, move cursor to location, press [ENT]
  - - - - - - -? *   Location of user waypoint (example "HOME"), select and press [ENT] to confirm
  - OFF?   Stops all waypoint or route navigation functions
  - SETUP? *   Used to set "User Waypoint", select from waypoint list and press [ENT]

Position Display Format: XX.XXX' (decimal), XX'XX.X' (minutes/seconds), LC TD (Loran C "TD'S)
- Press [MENU] until "MAIN MENU" appears, select TD SETUP, press [ENT], select format, press [ENT]
  - TD setup requires selecting the "GRI" and "TD" set closest to but under the local area TD numbers
  - Example: Local numbers (GRI area 7980) 14445.6 & 45535.6, set "TD SETUP" to GRI: 7980 11-43
  - Use TD1 and TD2 offsets to correct difference between "known" TD position and displayed position