

Ovládání a používání GPS Garmin GPSMAP 296

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Odkazy na manuály

- ▶ Garmin GPSMAP 296
 - http://www.garmin.com.ua/manuals/air/GPSMAP296_PilotsGuide.pdf
- ▶ Garmin GPSMAP 695
 - https://static.garmincdn.com/pumac/190-00919-00_0E_Web.pdf



Obecné zásady použití GPS

- ▶ Dobrý sluha, zlý pán
 - Může kdykoliv vysadit
 - Zastaralé databáze bodů, letišť, frekvencí
- ▶ Příprava na zemi
 - Základ je připravená mapa
 - Z mapy naprogramuji trať do GPS
- ▶ Používání za letu
 - Promyslet si, co chci dělat
 - V dostatečné výšce a v horizontálním, ustáleném letu
 - Vždy se dívat ven a kontrolovat rychlost

Obsah kurzu

- ▶ Zapnutí, jas
- ▶ Hlavní stránky
- ▶ Menu
- ▶ Databáze bodů a vlastní body
- ▶ Flight plan
- ▶ Direct to
- ▶ Nearest
- ▶ Terrain

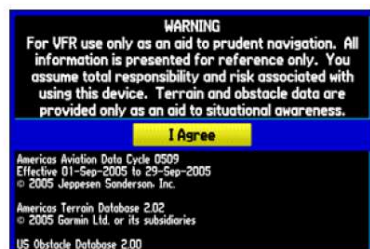
Zapnutí a jas

Turning On the GPSMAP 296

The first time you turn on your new GPSMAP 296, the receiver must collect satellite data and establish its present location. To ensure proper initialization, the GPSMAP 296 is shipped from the factory in AutoLocate mode, which allows the receiver to “find itself” anywhere in the world. Before you turn on the unit to start initialization, be sure that the antenna is rotated up as shown on [page 1](#), and it has a clear and unobstructed view of the sky to receive satellite signals.

To turn on and off the GPSMAP 296:

1. Press and hold the **POWER** key. When the unit turns on, a tone sounds and the Warning Page appears.



Warning Page

2. Read and be sure you understand the warning. Press **ENTER** to continue.

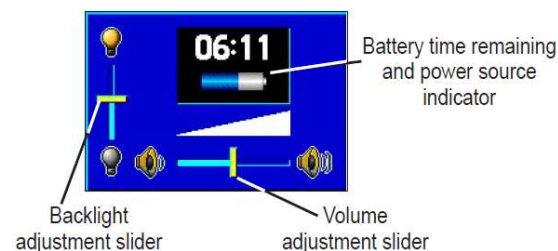
3. To turn off the GPSMAP 296, press and hold the **POWER** key again.

Adjusting the Backlight and Volume

The **POWER** key controls the 10 level backlight and volume of the external speaker with 12/24-Volt Adapter Cable.

To adjust the backlight level or volume:

1. Press and quickly release the **POWER** key.
2. Press the **ROCKER** up to increase the brightness or down to decrease. Press right to raise the volume or left to lower.
3. Press **ENTER** or **QUIT** to close the Backlight/Volume adjustment window. Press **MENU** to view the options menu.



Hlavní letové stránky

- ▶ Přepíná se tlačítkem PAGE
- ▶ Nejdůležitější
 - Map Page
 - Active Route Page



Map Page



Terrain Page



Panel Page



Active Route Page screenshot showing a table of waypoints:

Waypoint	Course	Distance	ETA
KRNM-KVGT			
HRNM	024°	46.8	09:34
KUDD	036°	80.1	09:54
TNP	030°	98.6	10:05
0004	006°	149	10:36
GFS			
JAKOP	350°	211	11:13
Total	011°	216	11:16

Active Route Page



Position Data Page screenshot showing position (N 38°54.965', W 094°47.950'), speed (110), altitude (1221), and time (10:18:50).

Position Data Page

Hlavní menu

- ▶ Dodatečné nastavení a informace
- ▶ Většina věcí je nastavena – nenastavovat

MAIN MENU

The Main Menu features some additional pages that are useful to you as you plan trips and use your GPSMAP 296. Some of these pages have already been discussed in-depth in previous sections.

The following tabs in the Main Menu allow you to restore their default: Track, E6B, Alarms, Display, Sound, and Setup.

To restore defaults:

1. Press MENU twice to open the Main Menu.
2. Use the ROCKER to highlight a tab.
3. Press MENU to open the options menu.
4. Highlight Restore Default.
5. Press ENTER to restore the tab to the defaults.

To restore all of unit's settings to the factory defaults at once, select **All Unit Defaults** from the options menu of the Setup tab.

GPS Tab

The GPS tab provides a visual reference of satellite acquisition, receiver status, and accuracy. The sky view and signal strength bars give an indication of what satellites are visible to the receiver and whether they are being tracked. More information on the GPS tab is located on page 4.



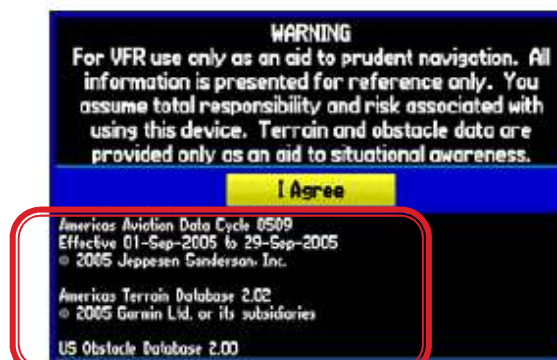
GPS Page

Menu stránek

- ▶ Každá stránka má svoje specifické menu
- ▶ Je třeba znát ty důležité položky na důležitých stránkách
- ▶ Probereme je

Databáze bodů

- ▶ Databáze obsahuje body:
 - Letecké
 - Pozemní
- ▶ Databáze se může aktualizovat jednou měsíčně
- ▶ Stáří databáze
- ▶ Vlastní body



Warning Page

Flight plan

Creating a Flight Plan (Route)

You can create a Flight Plan (or route) using the Route Page in the Main Menu. The Route is then saved for future use. You can also create a route using the Active Route Page for immediate use. For more information, refer to “Creating Routes” beginning on page 56 and “Editing and Managing Routes” beginning on page 69.



NOTE: After you perform an update to your Jeppesen Database, verify that all of your flight plans in your unit are still current. If there is an obsolete Jeppesen aviation point in a saved route, the route is locked and unusable. You need to create a new route with current Jeppesen Database points.

To create a route:

1. Press **MENU** twice to open the Main Menu.
2. Use the **ROCKER** to highlight **Routes**, and press **ENTER**.
3. Press **MENU** to show the options menu. Use the **ROCKER** to highlight **New Route**, and press **ENTER**, or highlight the first blank line, and press **ENTER**.
4. Press **MENU** to show the options menu. Use the **ROCKER** to highlight **Add Waypoint**, and press **ENTER**. Or, highlight the first blank line, and press **ENTER**.
5. The Aviation Find Page (Go To Page) opens allowing you to select an aviation point. Enter the ID, Facility name, or city.

6. Highlight the point in the list. Highlight **OK**, and press **ENTER**. The selected point is added to the route.

Highlight a blank line and press **ENTER** to continue adding waypoints.

Route			
KMCI-KSTJ			
Waypoint	Course	Distance	ETA
◆ KMCI	339M	0E	11:59A
◆ KSTJ	---	29.9M	12:14A
	---	---	---
Total	339M	29.9M	12:14A

7. Continue steps 4 through 6 until all points are added to the route. The route is automatically saved to the unit's memory.

To navigate a saved route:

1. Press **MENU** twice to open the Main Menu.
2. Use the **ROCKER** to highlight **Routes**, and press **ENTER**.
3. Highlight the route you want to take from the list, and press **MENU**.
4. Highlight **Activate Route**, and press **ENTER**.

You can also create a flight plan to use at a later time. For more information, refer to “Creating Routes” beginning on page 56 and “Editing and Managing Routes” beginning on page 69.

Flight plan aktivní

- ▶ Musí se aktivovat přes menu na FPL stránce
- ▶ Zobrazení:
 - Na navigační stránce
 - Na FPL stránce



Active Route			
KOJC-KSTJ			
Waypoint	Course	Distance	ETA
▶ KOJC	359M	20.5M	---
▶ KMCI	339M	50.4M	---
▶ KSTJ	---	---	---
Total	349M	50.4M	---

Active Route Page

Nearest

- ▶ Umožňuje zobrazit nejbližší body

Airport	Wx	VOR	NDB	INT	User	ARTCC	FSS
Airport	Bearing	Distance	Runway	Frequency			
◆ KOJC	357 ^M	0 ^E	4000 ^E	126.00 ^{MHz}			
○ 63K	102 ^M	6.2 ^N	2000 ^E	122.90 ^{MHz}			
◆ KIXD	259 ^M	7.2 ^N	7300 ^E	133.00 ^{MHz}			
○ 51K	303 ^M	8.5 ^N	2400 ^E	122.70 ^{MHz}			
◆ K34	253 ^M	10.5 ^N	3300 ^E	122.80 ^{MHz}			
◆ KMKC	019 ^M	17.9 ^N	7000 ^E	133.30 ^{MHz}			
◆ KLXT	066 ^M	18.3 ^N	4000 ^E	122.80 ^{MHz}			
◆ K81	202 ^M	20.4 ^N	3400 ^E	122.80 ^{MHz}			
◆ K64	265 ^M	20.8 ^N	3000 ^E	122.90 ^{MHz}			

Nearest Page: Airport Tab

Aviation Nearest Categories

In Aviation Mode, the Nearest Pages contains the following information:

Airport—nearest 15; identifier, bearing, distance, length of the longest runway, and common traffic advisory (CTAF) or tower frequency.

WX (Airport Weather Sources)—nearest 15 airport weather information sources including AWOS, ASOS, and ATIS.

VOR (VHF Omnidirectional Radio Beacons)—nearest 15; identifier, facility type (symbol), bearing, distance, and frequency.

NDB (Non Directional Beacons)—nearest 15; identifier, facility type (symbol), bearing, distance, and frequency.

INT (Intersection)—nearest 15; identifier, bearing, and distance.

User (Waypoints)—nearest 15; name, bearing, and distance.

ARTCC (Air Route Traffic Control Center)—nearest 5; bearing, distance, and frequency.

FSS (Flight Service Station)—nearest 5; bearing, distance, frequency, and VOR (for duplex operations).

Airspace—up to 15 (based on number of alerts provided); name, time to entry (when applicable), and status.

Direct to

▶ Volba místa:

- Přímo
 - Zadáním leteckého bodu
 - Zadáním pozemního bodu
- Z Nearest
- Z aktivního FPL



Go To Page: Aviation Tab

Direct to

- ▶ Volba pozemního bodu
 - Na stránce GO TO zvolit MENU
 - Podobně i pro zadání pozemního bodu pro FPL



Go To Page Options Menu



Find Menu

Terrain

- ▶ Stránka Terrain

Red Terrain area: terrain within 100 feet of aircraft

Yellow Terrain area: terrain between 100 and 1000 feet of the aircraft

Elevation scale

Lighted obstacle

Unlighted obstacle

ALTIMETER: 1028 f
TRACK: 051 M
DIST NEXT: 1154 n m
ETE NEXT

Terrain Page

- ▶ Varování

Obstacle Warning

Obstacle scale (0-700)

Obstacle map (1.0nm)

Obstacle data: KMKC 6.7%

Obstacle data: 1996'

Obstacle data: 02:29 ETE

Obstacle Warning
Shown on the Panel Page

Procvičení

- ▶ Trať:
 - LKPO – LKKU – VALPI – MAKAL – Val. Meziříčí – LKHN – LKPO
- ▶ Aktivovat trať
- ▶ Direct to
- ▶ Nearest airport

Díky za pozornost

