

# GNC<sup>®</sup> 255 series VHF Nav/Comm Radio

Garmin database technology brings significant new efficiencies to cockpit radio management.



## A better way to guide your way? That's the Garmin GNC 255 series.

Instead of searching through multiple charts or airport directories to find the nav and comm frequencies you need for your flight, now you can simply look to your Garmin GNC 255 series radio and its innovative "frequency lookup" function. With this work-saving database technology, you need only enter the navaid or airport identifier to find the frequency (or frequencies) associated with that location. Conversely, if you're given a frequency by ATC, the lookup function will automatically provide the station identifier once you've dialed in the digits<sup>1</sup>. With an airport ID you can use the database to look up the frequencies for Tower, Ground, ATIS, Clearance Delivery, and so on – a great convenience to have when you're operating in busy controlled airspace. Other handy GNC 255 features include automatic decoding of the Morse code station identifier for VOR/LOC/ILS; "flip-flop" standby-into-active frequency selection; built-in course deviation indicator, internal two-place intercom,

and storage/recall for up to 15 of your most often-used frequencies. In addition, the unit will automatically store the last 20 frequencies you've called. And standby comm frequency monitoring enables you to listen to ATIS or other transmissions without leaving the active frequency. So, it's like having two radios in one. Moreover, on the nav side, the unit's database-generated "nearest" function<sup>1</sup> makes it easy to locate and identify the airports, weather stations, VORs, ATC facilities and Flight Service Stations in closest proximity to your route of flight. Garmin's GTR 255 series nav/comms are all TSO-certified and available in versions offering 10- or 16 watts of transmitter power output. Either choice gives you access to all VHF comm, VOR, glideslope and localizer frequencies – with pilot-selectable 25 or 8.33 kHz voice channel spacing to support the 8.33 comm mandate in Europe and provide "good-to-go" capability worldwide.

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## NAVIGATION RADIO FEATURES

- 200 channel Nav with VOR/Localizer and Glideslope receivers.
- Built-in VOR/Localizer converter.
- Database lookup of frequencies using navaid ID
- VOR receiver displays to/from and radial.
- Digitally decoded OBS setting.
- Sunlight readable full alphanumeric display.
- Automatic display of station ID by decoding Morse code.
- Interfaces to most CDI (w/resolver), HSI, and autopilot systems.
- TSO: C34e; C36e; C40c.
- Accepts 9 to 33 VDC input.

## NAV FREQUENCY DATABASE

Worldwide coverage and frequency lookup. Includes 25 nearest VORs; frequency lookup by identifier<sup>1</sup>

## COMM RADIO FEATURES

- 760 communication channels (w/ 25 kHz spacing);
- 2280 channels (w/ 8.33 kHz spacing)
- Frequency range 118.000 to 136.992 MHz (w/ 8.33 kHz spacing)
- Active and standby flip-flop frequencies
- One-touch 121.5 emergency channel tuning
- Comm frequency monitor function (listens to standby while monitoring the active)
- Recall of frequency from database by facility name and type
- Database reverse lookup of frequencies providing station ID and frequency use (TWR, ATIS, etc.)<sup>1</sup>
- Volume control bar graph display
- Alphanumeric display of frequency types (ATIS, GRND, TWR, etc.)
- High-visibility alphanumeric LCD display
- Transmit status indicator
- Backlit keypad controls
- Automatic and manual, pilot-selectable display intensity control
- Built-in, two-place voice activated intercom
- Frequency memory and recall
- Stores/recalls 15 user defined frequencies
- Stores/recalls previous 20 frequencies used
- Squelch test function
- Stuck mic time-out
- 12 watt audio amplifier

<sup>1</sup>Requires compatible GPS input from panel-mount or portable GPS.

## COMM FREQUENCY DATABASE

Worldwide coverage and frequency lookup. Uses GPS input (from compatible systems, sold separately) to determine locations for each of the 25 nearest airports, Flight Service Stations, ATC facilities, WX stations, etc.

## RADIO PERFORMANCE

- Transmit power: 10 or 16 watts output (by model)
- Input voltage range 9 to 33 VDC
- Operating temperature range -20 to +55 C
- Certified TSO C169a (transmitting and receiving)
- Certified TSO C128a (stuck mic)

## PHYSICAL

- Size:** 1.65"H x 6.25"W x 10.4"D (4.19 x 15.88 x 26.42 cm)
- Weight:** 3.02 lbs (1.37 kg) unit only;  
3.46 lbs (1.57 kg) with mounting rack
- Depth:** 11.23 inches (28.52 cm) behind panel, including mounting rack and connectors

MODELS	25 KHZ SPACING	8.33 KHZ SPACING	TSO'D	XMIT POWER
GNC 255A	Yes*	Yes*	Yes	10W
GNC 255B	Yes*	Yes*	Yes	16W

\*Pilot-selectable