

GMA 340 audio panel



GARMIN's new GMA 340 audio panel meets the needs of aircraft owners and operators who require reliability and versatility in the essential audio switching function.

- User-friendly, intuitive front panel layout
- Six position intercom: pilot, copilot, four passengers
- Three stereo headset amplifiers: pilot, copilot, and passengers
- Two stereo music source inputs
- Three selectable intercom operational modes
- Independent pilot, copilot, and passenger volume controls
- Individual VOX circuits for each mic input (6)

- Automatic selection of radio audio source when corresponding mic is selected
- Split COM transceiver function. Copilot may transmit and receive on COM2 while pilot transmits and receives on COM1
- COM swap function
- TX indication
- MKR beacon MUTE function with auto re-arm feature
- Speaker output for radios and PA function
- Power-off fail safe to connect Pilot PTT, mic, and Headset to COM1 if unit is turned off

Specifications - General

TSO Compliance:	TSO-C50c TSO-C35d using DO-160C, DO-170, and DO-143
Weight:	TBD
Physical dimensions:	Length 6.4" Width: 6.29" Height: 1.3"
Power Requirements:	Supply voltage: 11-33 Vdc Operating current: 2.2A (13.8V, spkr on)
Temperature range:	-20°C to +55°C (normal operation)
Altitude:	50,000 MSL unpressurized

Marker Beacon Receiver

Frequency:	Crystal controlled at 75 Mhz
Sensitivity:	LO 1000 uV hard HI 200 uV hard
Selectivity:	6 dB @ +/- 10kHz min. 40 dB @ +/- 200 kHz max.
Input impedance:	50 ohms
External lamp drive:	125 mA max each output
Other outputs:	Middle MKR sense

Audio Panel

Transceiver inputs:	3
Receiver inputs:	5
Unswitched inputs:	2
Input impedance:	500 ohms
Input isolation:	60 dB min

Intercom

Positions:	6 (pilot, copilot, 4 passengers)
Volume controls:	3 (pilot, copilot, passengers)
VOX level controls:	2 (pilot, copilot/passengers)
VOX circuits:	6 (one per mic input)
Music inputs (stereo):	2 (one input mutable)
Intercom isolation modes:	3 (pilot, crew, all)

Speaker Outputs

Outputs selectable:	One, pilot selectable
Output power:	10 Watts into 4 or 8 ohms, any normal supply voltage.
Frequency response:	350 to 6 kHz nom
Special functions:	PA Mode, pilot selectable

Headphone Outputs

Output amplifiers:	3, stereo (pilot, copilot, passengers)
Power:	100 mW per stereo channel, each headset, into 150 ohms with not more than 5% distortion, any normal supply voltage.
Frequency response:	Music: 100 Hz to 15 kHz nom A/C radio: 100 Hz to 6 kHz nom ICS mic: (Special cabin noise band de-emphasis)

Specifications are preliminary and subject to change without notice. ©2000 Garmin Corporation



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