

AUDIO CONTROL PANEL (ACP)

The pilot and copilot audio control panels (ACP) are installed on the left and right consoles. They provide single-point selection and control of the audio outputs. The audio is fed to the cockpit speakers, headphones or both.

Transmission is made using hand microphone, boom or oxygen mask microphone.

The ACP buttons interconnect aircraft radio receivers with the speakers or headphones and interconnect microphones with the aircraft radio transmitters.

Emergency function bypasses all internal amplifiers and connects the speakers/headphones and microphones directly to the selected audio source.

The main volume control knob controls the level of all selected audio sources simultaneously.

The ACP power amplifier automatically levels audio from COM, NAV and DME receivers. The leveling circuit maintains a constant audio level at the speakers/headphones regardless of changes in signal strengths.

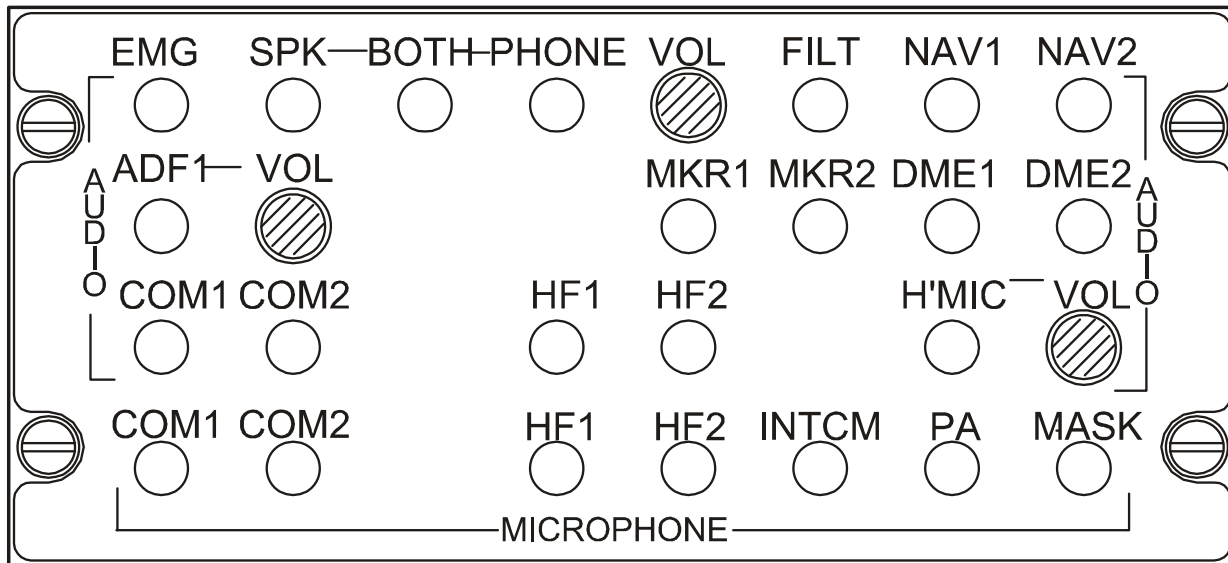
The ACP selectable filter circuit allows to removal of the 1020 Hz identifier code present in NAV and ADF audio. When the filter circuit is engaged the ACP routes ADF audio through the power amplifier' leveling circuitry. The ACP always levels NAV signals.

Auxiliary audio signals, such as EGPWS audio, or chime audio are connected directly to the ACP amplifier so they can always be heard.

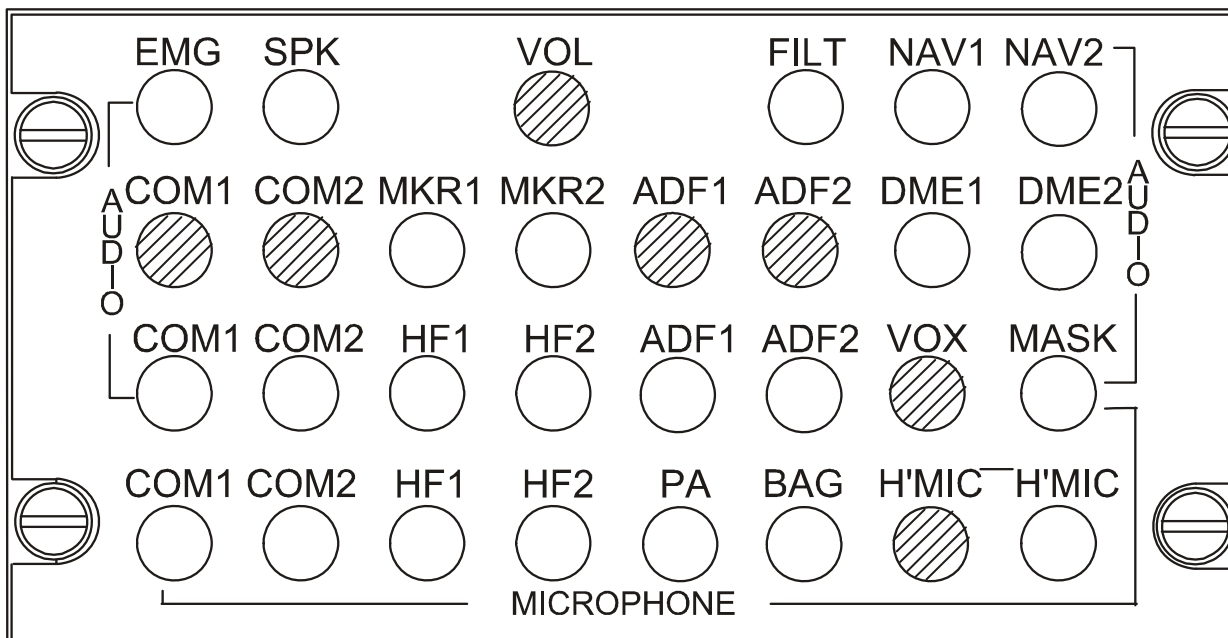
Each ACP provides audio output to the cockpit voice recorder (CVR).

With Mod 20224 installed, separate COM 1 & COM 2 and ADF 1 & ADF 2 radio volumes knobs are added.

Gulfstream G200 - Audio Control Panel



BEFORE MOD 20224



AFTER MOD 20224

Figure 5-70. Audio Control Panel (ACP)