

G2500

SUPER HYBRID



PRODUCT OVERVIEW

Gentner Communications Corporation, a leader in audio equipment for broadcasting and teleconferencing, has introduced a new telephone hybrid for professional audio applications. The G2500 Superhybrid uses DSP echo cancellation technology, originally developed for the demanding feedback control requirements of corporate boardrooms, plus Gentner's superior telephone audio quality developed for broadcasters' stringent requirements.

Housed in a sturdy rack mount chassis, the G2500 provides an advanced digital telephone hybrid with auto-answer/disconnect, auto-null and auto renull on new line selection, receive mute, remote control via contact closures and RS232, and special "loop" connectors that permit stacking multiple units for easy conferencing. Multiple callers can appear either as one common audio output or as individual caller outputs to the console.

No Special Caller Feed Required

No longer do you have to worry about special console outputs for a telephone hybrid ... Gentner's G2500 Superhybrid digitally generates its own mix-minus feed for callers. This permits the use of

normal "program" audio as a caller feed, even though program audio contains the caller's own audio. The G2500's digitally adaptive echo canceller automatically removes caller audio from the program feed going down the telephone line. Feedback and annoying echo are eliminated, resulting in excellent telephone audio quality.

Applications

The Gentner G2500 may be used in any application requiring connection of professional audio equipment to a telephone line — broadcast talk shows (both in the studio and at remote locations), news interviews, IFB, remote producer coordination, etc.

Although the G2500 is designed for use in acoustically treated rooms (such as broadcast studios), it can function well in other environments such as remote call-in programs at a client location. When the G2500 is used in poor acoustic environments, its internal Acoustic Echo Suppressor (AES) may be used for feedback control. The AES suppresses send audio (audio going down the telephone line to callers) when caller audio is present.

FEATURES/BENEFITS

- No mix-minus required— just hook it into your console
- Auto-answers/disconnects telephone line
- Auto null and auto renull
- Caller mute
- Can be looped together with other G2500s to conference callers together— up to eight units can be conferenced together
- Worldwide compliant including FCC, CSA, CE and BABT

 **Gentner**

800.945.7730
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SPECIFICATIONS

Physical Dimensions:

19" W x 1.75" H x 10" D
48.3W x 4.45H x 25.4D cm

Weight:

10 lbs./4.5 kg dry
13 lbs./5.9 kg shipping

Connectors:

Remote: DB15 female
Input: three-pin female XLR
Output: three-pin male XLR
Telco Line/Set: RJ11C
Tape Record: Phono (RCA)

Power Requirements:

85-240Vac; 50/60Hz

Fuse:

2 amp, 250Vac

Frequency Response:

300 Hz to 3.4 kHz; +/- 1 db

Echo Cancellation Span (Auto Mix Minus):

At least 32 milliseconds

Operating Temperature:

32° to 100° F

Additional specifications will be furnished upon request.



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