

DIGITAL HYBRID III



PRODUCT OVERVIEW

In today's broadcasting and production studio environments, telephone interface equipment needs to provide superb audio quality, consistent performance, and ease of use. Gentner's Digital Hybrid III addresses these needs.

What is a Digital Hybrid?

The term "digital hybrid" refers to a telephone hybrid that uses digital signal processing (DSP) technology to automatically adapt to the telephone line. This technology is most useful where telephone line quality is constantly changing (this happens most often when the user is located more than a few kilometers from the telephone company "point of presence" or Central Office). A digital hybrid consistently delivers the best hybrid performance available, eliminating the hollow sounding announcer audio and feedback that occurs with inconsistent lines.

Gentner's Digital Hybrid III goes beyond other DSP hybrids, however, with its outstanding audio quality.

Caller audio is crisp, clear and understandable. A built-in send AGC (automatic gain control) ensures consistent audio levels to callers. When you use the Digital Hybrid III with call directors or multiline telephones, you get quiet line switching — no more annoying pops or clicks on-air.

Advanced User Features

Designed specifically for fast-paced studio environments, the Digital Hybrid III provides two unique controls: CUE and REC. The CUE button is used to talk with callers off-air; when pressed, it automatically switches its send audio from the console's mix-minus output to an auxiliary source such as a mic pre-amp. REC makes it easy to record both sides of a telephone conversation for later use; when this button is pressed, your tape recorder is activated and audio is sent to the tape. Even simpler, the Digital Hybrid III can be tied to your console logic to automatically perform these functions when activated.

FEATURES/BENEFITS

- Send AGC provides consistent audio levels for callers
- CUE button allows you to screen calls off air
- REC button automatically activates a tape recorder
- When used with call directors/multiline phones, you get quiet line switching
- Superior audio quality

APPLICATIONS

Although the Digital Hybrid III is used primarily in broadcast air studios, it provides superb telephone audio for interviews or teleconferencing phone adds. It may be used in virtually any application requiring connection of a telephone line to professional audio equipment.



800.945.7730
801.975.7200

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SPECIFICATIONS

Physical Dimensions (W/H/D):

1 rack unit
19" W x 1.75" H x 12" D
48.3 x 4.45 x 30.5 cm

Weight:

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

Power Requirements:

100-240 VAC selectable,
50/60Hz, 15W

Connectors:

Audio: XLR
Line/SET: Modular, RJ11C
Tape control: DB9
Tape start/stop: relay closures;
momentary or sustained program-
mable
Hybrid control: DB25
Remote connections are open col-
lector; On/Off is momentary or
sustained

Input Audio:

Actively balanced bridging, +4dBu
nominal

Output Audio:

600 ohm, actively balanced,
+4dBu nominal

Auto Answer:

Programmable; answers after first
complete ring

Auto Disconnect:

Programmable; disconnects on
loop drop or line reversal

Caller Control:

Adjustable from 0 to 50 dB of
caller reduction

Caller Frequency Response:

+/- 2dB 250 Hz to 3.3 kHz



Gentner Communications Corporation
1825 Research Way
Salt Lake City, UT 84119 USA

800.945.7730

801.975.7200

Fax: 801.977.0087

<http://www.gentner.com>

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