

# DH20

## DIGITAL TELEPHONE HYBRID



### PRODUCT OVERVIEW

Are you looking for the very best, most affordable digital telephone hybrid available? You just found it. The DH20 Digital Hybrid incorporates the latest in DSP digital technology to provide you with the best sound and easiest installation.

The DH20 is a telephone interface that interconnects a standard telephone line and your audio equipment so you can receive caller audio from the telephone line and send audio to the caller. In broadcast applications, the DH20 is used for talk shows, news and production. For professional audio applications, the DH20 is perfect for recording studios, houses of worship, court rooms and schools.

Our newest 16-bit DSP digital technology delivers better and more reliable sound quality. The DH20 delivers the deepest and most stable hybrid null ensuring maximum isolation between the send and caller audio. That means no

echo and no "bottom of the barrel" sound. In addition, we've added selectable automatic gain control (AGC) and caller ducking. With AGC, each call will be delivered to your equipment at the same level. Caller ducking reduces the caller's audio level when the announcer speaks providing a more "controlled" environment. We've also added a speaker amplifier so you can connect a speaker directly to the unit and monitor callers without headphones.

Installing telephone hybrids used to be a hassle. If your console didn't have a mix-minus bus it was difficult to create one. The DH20 solves this problem once and for all. Gentner's exclusive auto mix-minus automatically provides mix-minus. Simply take the output of your mixing console and feed it to the DH20.

Looking for two hybrids in one box? The DH22 incorporates two DH20 digital hybrids in one chassis. Call us today for more information.

### FEATURES/BENEFITS

- The world's best, most affordable digital hybrid
- 16-bit DSP digital technology ensures the very best audio quality and the deepest, most reliable hybrid null
- Easy to install, simple to operate
- Auto mix-minus, just connect it to the output of your equipment
- Built-in speaker amplifier
- Balanced audio in and out
- Mic or line input
- Selectable AGC ensures every caller is at the same audio level
- Selectable caller ducking
- Selectable auto-answer/auto-disconnect compatible with most telephone central offices including loop current interruption and busy/reorder
- Remote control and status
- Automatically accepts all worldwide voltages
- Worldwide compliant including FCC, CSA, CE and BABT



800.945.7730

801.975.7200

Send this document to any fax machine with Gentner's Fax-On-Demand: 800.695.8110 Doc. #3015

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### SPECIFICATIONS

#### Front-Panel Controls:

Send/AUX input level, caller/AUX output level, speaker volume, ON/OFF, AGC ON/OFF, caller ducking level, auto answer functions, mic/line select

#### Telephone Line Requirements

Operates on standard telephone lines and connects to the telephone system with a standard RJ11C modular jack.

#### Dimensions (W/H/D):

17" /43.2cm x 1.75" /4.5cm x 8" /25.4cm

#### Weight:

7.5 lbs./3.4kg (dry)  
12.6 lbs./5.7kg (shipping)

#### Connectors:

REMOTE: DB25 female connector

MONITOR: 1/4" stereo jack; 1W output into an 8ohm load

SEND: XLR; +20dBm maximum input, 0dBu nominal level, >20kOhm impedance

CALLER: XLR; +20dBm maximum into 600ohms, 0dbu nominal level

AUX OUT: XLR; +20dBm maximum into 600ohms, 0dbu nominal level

LINE: RJ11 connector; A-lead supervision provided

SET: RJ11 connector

#### Power Requirements

100-240Vac, 50/60Hz, 30W

#### Frequency Response

+1dB from 250Hz to 3.5kHz (with AGC disabled)

#### Signal-to-Noise Ratio:

>56dB reference to 0dBu at -15dBm on the telephone line

#### Receive Audio:

Distortion <.3% THD, 250Hz to 3.5kHz (AGC disabled)

#### Operating Temperature:

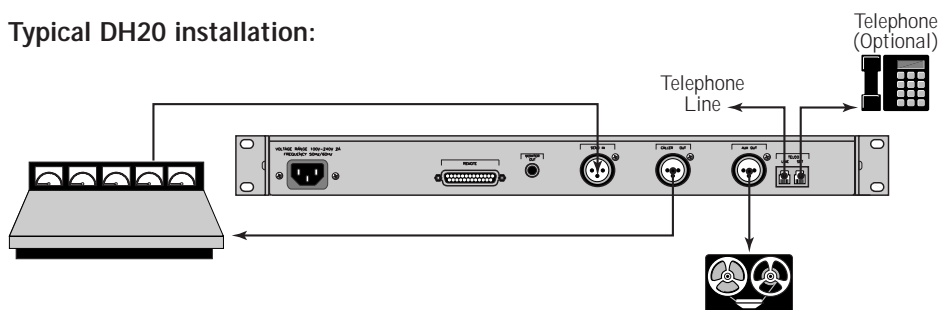
32-100° F / 0-38° C

#### Humidity:

0-80%



#### Typical DH20 installation:



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