

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.

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
- 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 tones
- Remote control and status
- Automatically accepts all worldwide voltages
- Worldwide compliant including FCC, CSA, CE and BABT



1 . 8 0 0 . 9 4 5 . 7 7 3 0
1 . 8 0 1 . 9 7 5 . 7 2 0 0

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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

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

Signal-to-Noise Ratio:

>56dB; referenced to 0dBu caller out with -15dBm on the telephone line

Receive Audio:

Distortion <0.3% THD, 250Hz to 3.5kHz (AGC disabled)

Operating Temperature:

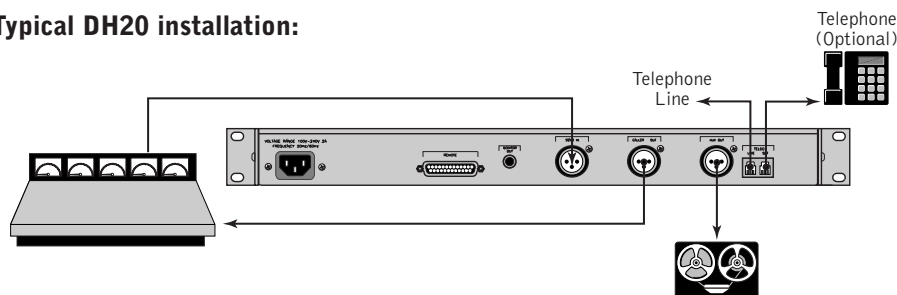
32-100° F / 0-38° C

Humidity:

0-80%



Typical DH20 installation:



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

1.800.945.7730

1.801.975.7200

Send this document to any fax machine with Gentner's Fax-On-Demand: 1.800.695.8110 Doc. #3015

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