



COMREX DH20

Industry acclaimed to be the best Telephone Hybrid available

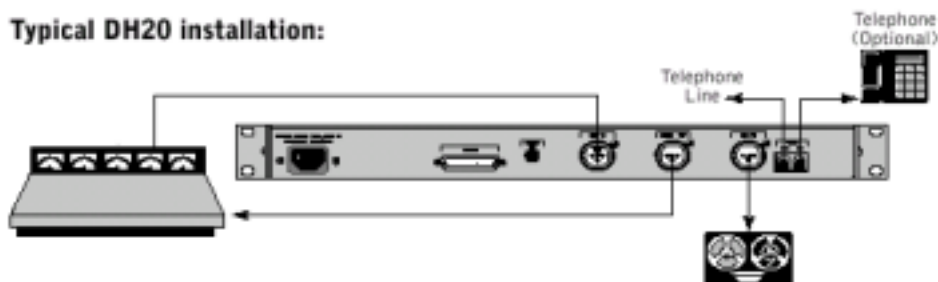
Are you looking for the very best, most affordable digital telephone hybrid available? You just found it. The DH20 Digital Hybrid incorporates the latest in DSP technology to provide you with the best sound and easiest installation.

The DH20 is a high quality single line telephone interface that interconnects a standard telephone line and your audio equipment, allowing you the ability to send audio to and receive audio from a connected telephone line. The DH20 is ideal when the very best audio quality is required for talk shows, news feeds, production, recording studios, and internet applications.

Our newest DSP 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 mean 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

Typical DH20 installation:



Features

- The world's best, most affordable digital hybrid
- 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 CTR21
- Dry line capability

Specifications

Controls	On/Off Buttons
	Volume Up/Down Buttons
Status LEDs	On Status, Off Status
	Send Audio Presence
	Caller Audio Presence
Adjustments	Send Input Level
	Caller Output Level
	Auxiliary Input Level
	Auxiliary Output Level
	Burst Adapt Select
	Mic/Line Select
	Caller Boost Select
	Momentary/Latching Select
	Auto Answer/Disconnect Select
	Caller Control Select (0, 6, 12, or 18dB)
	AGC Select
	Auto Mix-Minus Select
	Aux Mix Select
Null	Send-to-Caller separation: 55dB nominal
	Tail time: 32 milliseconds

Remote	DB25 Female
Remote Send Input	0dBu nominal, adjustable, unbalanced, 20k½ impedance
Remote Caller and Aux Output	0dBu nominal, adjustable, unbalanced, 50½ impedance
Control Inputs	Remotely activate any of the following functions with a switch closure to ground: On, Off, and Monitor Mute
Status Outputs	Remotely check the status of the hybrid using the On and Off status outputs.
	Status outputs are open collector outputs rated at 30VDC and 40mA maximum
Monitor Output	1/4" stereo jack
	Tip= +phase, Ring=ground, Sleeve=ground, 1W output into an 8½ load
Send Input	XLR female
	Mic/Line selectable, -55/0dBu nominal, adjustable, balanced, bridging, 20k½ impedance
Mix-Minus	Caller-to-Send separation: 50dB nominal
	Tail time: 32 milliseconds
Caller Output	XLR male
	0dBu nominal, adjustable, balanced, 50½ impedance
Aux Output	XLR male
	0dBu nominal, adjustable, balanced, 50½ impedance
Telco Line	RJ11 connector
	POTS (plain old telephone service) line or analog extension from a PBX or dry line (no DC offset voltage).
	A-Lead supervision provided
Telco Set	RJ11 connector
	A-Lead supervision provided
Telephone Transmit	Nominal send input of 0dBu referenced to -15dBu onto the telephone line.
	Frequency Response: 250Hz to 3.5kHz, ±1dB
	Signal to noise ratio: >56dB
	Distortion: <0.2%
Telephone Receive	Nominal telephone line level of -15dBu referenced to caller output of 0dBu
	Frequency Response: 250Hz to 3.5kHz, ±1dB
	Signal to noise ratio: >56dB
	Distortion: <0.2%
Power	IEC Type
	Auto Adjusting 100-240VAC, 2A, 50/60Hz, 30W
Operating Temperature	32-100°F/0-38°C
Humidity	0-80 percent
Dimensions (LxDxH)	43.6 x 25.7 x 4.44 cm
Weight	6.35 lb/2.88 kg (dry)
	10.95 lb/4.97 kg (shipping)

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Elan Audio 2 Steel Court South Guildford Western Australia 6055	Phone: 08 9277 3500 Fax: 08 9478 2266 Email: sales@elan.com.au Web: www.elan.com.au