

# HYBRID AND AUTO COUPLERS

## TELEPHONE COUPLERS



### PRODUCT OVERVIEW

It's easy to get audio on or off the phone the phone line with Gentner couplers. Our couplers provide direct connection to a standard phone line, and audio inputs and outputs that give you the flexibility of either sending or receiving audio. Your single-line telephone set connects directly to the coupler; it operates normally when the coupler is not in use.

#### Hybrid Coupler

The Hybrid Coupler is our simplest unit. It is a passive device that requires no power to operate. Audio to/from the unit is phone level—about 20dB on the receive side and -10dB on the send path—so amplification will be required to bring audio to line level for use.

A unique feature of the hybrid coupler is its TAP position, which allows you to use the coupler and the telephone at the same time. This feature is useful for monitoring of a salesperson-in-training; or using the telephone's DTMF pad while the coupler is active. Due to the differences in audio levels, the telephone handset audio will be considerably louder than the caller's audio on the coupler, so use of the coupler in the TAP position is not recommended when recording both sides of a conversation. To disable the telephone set while using the coupler, the SEIZE position is used.

#### Auto Coupler

Gentner's Auto Coupler is a powered unit that provides line level audio on both send and receive, plus automatic answer/disconnect along with manual operation. When the Auto Coupler is in the AUTO mode, it will answer the line after one complete ring, and will disconnect when the calling party hangs up. (some telephone exchanges do not provide a disconnect signal that the Auto Coupler will recognize; in this event we suggest you try the Auto Coupler CP, It will recognize a wider variety of disconnect signals.)

The Auto Coupler is ideal for unattended audio feeds such as listen lines of continuous-play tape messages. It is also useful for feeding line level audio sources down the telephone line.

Although Gentner couplers have a built-in telephone hybrid circuit, and are capable of simultaneous send/receive audio, they should be used in this manner only in limited circumstances. These couplers are not recommended for broadcast on-air calls or teleconferencing use.

### FEATURES/BENEFITS

- Easy to use—and get audio on and off the telephone line
- Inexpensive
- Passive—no power required, can be used in remote vans or with portable gear
- Auto Coupler—auto answers and disconnects the telephone lines
- Hybrid Coupler—TAP function allows you to monitor calls while using the coupler

### APPLICATIONS

- Listen lines
- Church service feeds to shut-ins
- Receiving or feeding of news reports, stock market reports, weather conditions, ski reports, etc.

 **Gentner**

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### SPECIFICATIONS

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(For both units unless otherwise noted)

Physical Dimensions:

4.17" W x 1.61" H x 6.97" D

10.6CMX4.1CMX17.7CM

Weight:

1 lb/0.45 kg

2 lbs/0.9 kg shipping

Telephone connections:

Line/set - RJ11C

Ringer equivalence 0.0 (Hybrid

Coupler); 1.1B (Auto Coupler)

Audio Connections:

1/4" phone jack, send and receive

Audio Levels:

Hybrid Coupler-

Send: - 10dB nominal, unbalanced,  
600 Ohms internal limiter selectable

Receive: - 20dB nominal, unbalanced,  
600 Ohms internal limiter selectable

Auto Coupler

Send: 0dBm/-10dBm selectable, bal-  
anced bridging; 20KOhms internal lim-  
iter selectable

Receive: 0dBm/-20dBm nominal selec-  
table, balanced 600 Ohms internal lim-  
iter selectable

Hybrid Null:

15Db @ 1 kHz tone with nominal audio  
levels, adjustable

Frequency Response:

250Hz to 3.2kHz+/-0.5dB

SNR

>60dB

Distortion:<0.1%THD

All specifications referenced to -10dB send  
level and an ideal telephone line.



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