AP10

AUDIO PERFECT™ TELEPHONE INTERFACE

PRODUCT OVERVIEW

The Audio PerfectTM 10 (AP10) is specifically designed as the telephone interface portion of an Audio PerfectTM system. The AP10 is used in Audio PerfectTM systems that require audio-conferencing participants to be connected via a telephone line.

The AP10 is easy to install and simple to operate while providing the highest possible audio quality available today for single telephone line conferencing. The AP10 provides audio for telephone connections with a bandwidth of 250Hz-3.5kHz, which, by the way, is the bandwidth of a standard telephone line. In addition, the AP10, with the AP800, provides "phone-add" capability for video-conferencing, otherwise known as simultaneous two-wire/four-wire operation, meaning anyone with a telephone can be mixed into a videoconference. Among the possible participants in a phone-add to a videoconference are traveling board members, executives and salespeople, home-bound or hospitalized individuals, and invited customers and vendors.

The AP10's component design allows multiple telephone lines to be conferenced into an Audio PerfectTM system. Up to 16 AP10s can be added, conferenced and controlled in an Audio PerfectTM system.

The AP10 is fully remote controllable. A rear panel G-Link provides system-wide control by popular remote control systems such as AMX and Crestron. Each AP10 in an Audio PerfectTM system may be addressed and controlled individually. The G-Link also provides access to DTMF (touch tone) dialing to enable the user to dial telephone numbers or issue tones to access voice mail systems.

The AP10 has several operational options that are selected via the dip switches behind the front panel access door. These options are configured at the time of installation and include Device Identification, Receive AGC, Auto-Answer, Auto-Disconnect, Disconnect on Loop or Loop and Call Progression, Self-Adapt or Noise Adapt, and Momentary or Latching On/Off Control.

So relax! AP10 will handle your most demanding telephone interface requirements.

FEATURES/BENEFITS

- Easy to install—simple to operate
- Integrated DTMF (touch tone) dialing—allows users to dial telephone numbers, access voice mail, pagers, etc. without the use of a separate telephone set
- Gentner's Digital Signal Processing (DSP) technology—ensures crystal clear audio with the deepest, most reliable hybrid null.
- Simultaneous two-wire/four-wire capability within an Audio PerfectTM system—allows telephone participants and videoconference participants the ability to communicate simultaneous with full-duplex audio
- Receive Automatic Gain Control—ensures receive audio level consistence in every call
- Conference up to 16 callers (16 AP10s) in an Audio PerfectTM system—allows extreme flexibility in meeting customer requirements
- G-Link control—allows seamless integration to an AMX, Crestron or other similar remote control device—all AP10s in the system may be controlled from one AP800 RS232 port
- Selectable auto-answer and auto-disconnect—allows integrators the ability to select auto-disconnect without auto-answer and vice versa
- Worldwide compliance—includes FCC, CSA, and CE

Gentner

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SPECIFICATIONS

Front-Panel DIP Switches:
   Device Identification, Receive AGC, Auto-Answer, Auto-Disconnect, Self-Adapt, Disconnect on Loop or Loop and Call Progression, Noise Burst Adapt, Momentary On/Off, Latching On/Off

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

TRANSMIT: Removable terminal block connector, 0dBu nominal level, >20kOhms impedance

RECEIVE: Removable terminal block connector, 0dBu nominal level, 50 Ohms impedance

LINE: RJ11 connector; A-lead supervision provided

SET: RJ11 connector

Power Requirements:
   Auto-adjusting power module

INPUT RANGE: 100-240Vac, 50/60Hz, 30W

POWER CONSUMPTION:
8 W, Typical

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)

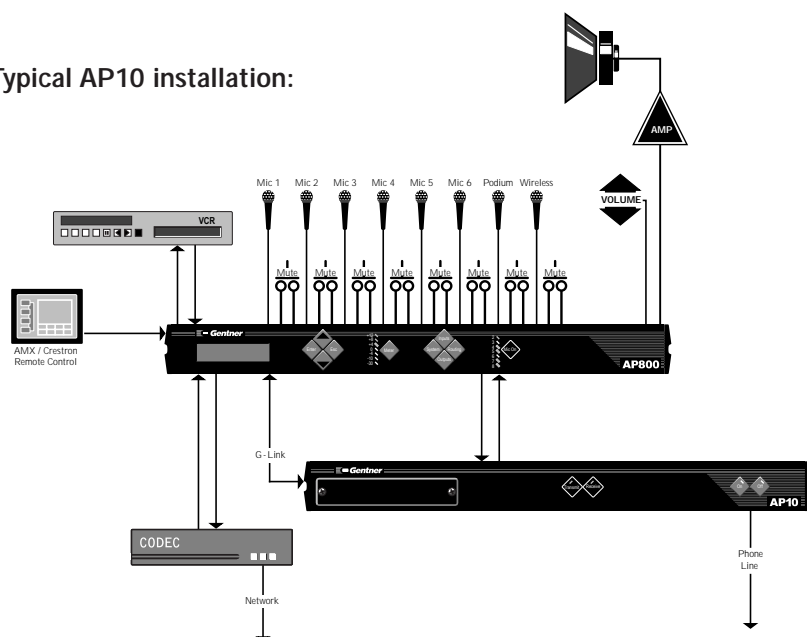Operating Temperature:
   32-100o F / 0-38o C

Humidity:
   0-80%

Approvals:
   FCC Part 68, FCC Part 15, CSA NRTL/C, CE

Applications:

- Distance Learning
- Teletraining/Telemedicine
- Courtrooms
- Conference Rooms/Boardrooms
- Hotels
- House of Worship

Typical AP10 installation:

WE PUT THE WORLD ON SPEAKING TERMS™