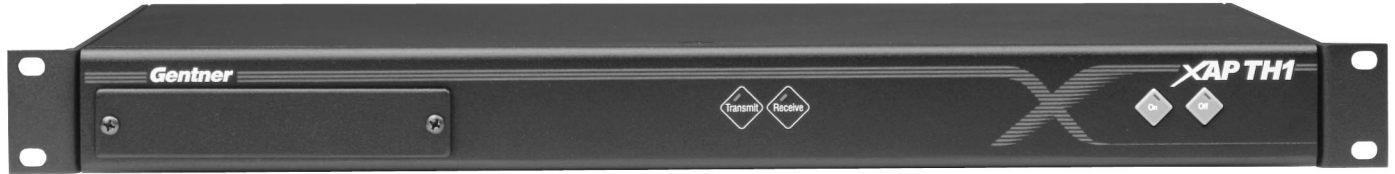


# XAP TH1

## TELEPHONE INTERFACE



### PRODUCT OVERVIEW

Enable remote participants to access your meeting with the XAP TH1 digital telephone hybrid—the telephone interface portion of the XAP 800 system.

The XAP TH1 provides the highest possible audio quality for single telephone line conferencing. The XAP TH1's modular design allows up to 16 callers (16 XAP TH1s) to be conferenced into a XAP 800 system.

In addition, the XAP TH1, with the XAP 800, provides "phone-add" capability for videoconferencing, otherwise known as simultaneous two-wire/four-wire operation. This means 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.

The XAP TH1 is fully remote controllable. A rear panel RS-232 port provides individual unit control by popular remote control systems such as Panja (AMX) and Crestron.

The RS-232 also provides access to DTMF (touch tone) dialing. This enables the user to dial telephone numbers or issue tones to access voice mail systems without the use of a separate telephone set.

The XAP TH1 has several operational options that are selected via the DIP switches behind the front panel access door. These include noise burst/auto-adapt, receive AGC control, auto-answer, auto-disconnect, call progression/loop, and receive reduction. These options are configured at installation.

### APPLICATIONS

Conference Rooms  
Boardrooms  
Distance Learning  
Hotels  
Courtrooms  
Houses of Worship  
Teletraining  
Telemedicine

### FEATURES/BENEFITS

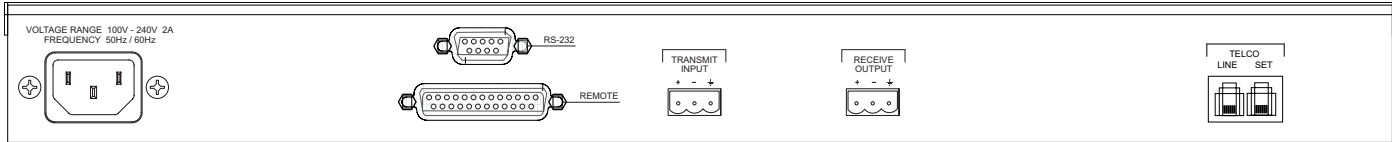
- Gentner's **digital signal processing** (DSP) technology—ensures crystal clear audio with the deepest, most reliable hybrid null
- **Audible ring indicator**—the ringing of incoming calls is heard through the loudspeaker
- **Conference up to 16 callers** (16 XAP TH1s) in a XAP 800 system—allows extreme flexibility in meeting customer requirements
- Receive **automatic gain control**—ensures consistent receive audio level in every call
- **RS-232 control**—allows seamless integration to a Panja (AMX), Crestron or other similar remote control device
- Selectable **auto-answer and auto-disconnect**—allows users the ability to select auto-disconnect without auto-answer and vice versa
- Integrated **DTMF (touch-tone) dialing**—allows users to dial telephone numbers, access voice mail, pagers, etc. without the use of a separate telephone set
- Occupies a **single rack space**

**Gentner**<sup>®</sup>

Perfect Communication through Technology, Service, and Education.<sup>®</sup>

# XAP TH1

## TELEPHONE INTERFACE



## SPECIFICATIONS

### DIMENSIONS (W/H/D)

17.25"/43.8cm x 1.75"/4.5cm x  
10.25"/26cm

### WEIGHT

7 lb/3.18 kg (dry)  
12 lb/5.4 kg (shipping)

### OPERATING TEMPERATURE

32–100° F / 0–38° C

### HUMIDITY

0–80%

### FRONT PANEL DIP SWITCHES

Noise Burst/Auto-Adapt, Receive Boost, Receive AGC Control, Auto-Answer, Auto-Disconnect, Call Progression/Loop, and Receive Reduction

### REAR PANEL CONNECTORS

POWER: IEC Type

Auto-adjusting power module from  
100–240 VAC, 50/60Hz, 30W

REMOTE: DB25 female connector

Control Inputs:

Remotely activate functions with a momentary switch closure to ground

Status Outputs:

Remotely check the status outputs.

Status outputs are open collector outputs rated at 30VDC and 40mA maximum

RS-232: DB9 female

9600 baud, 8 bits, 1 stop bit, no parity

TRANSMIT INPUT:

Push-on terminal block, 0dBu nominal level, balanced bridging, >20kOhm impedance

RECEIVE OUTPUT:

Push-on terminal block, 0dBu nominal level, <50 Ohm impedance

TELCO LINE: RJ-11 connector

TELCO SET: RJ-11 connector

### TELEPHONE TRANSMIT

Nominal send input of 0dBu referenced to -15dBu onto the telephone line

### TELEPHONE RECEIVE

Nominal phone line level of -15dBu referenced to caller output of 0dBu

### TELCO ECHO CANCELLATION

TAIL TIME: 55dB nominal

NULL: 31ms

### TELEPHONE LINE REQUIREMENTS

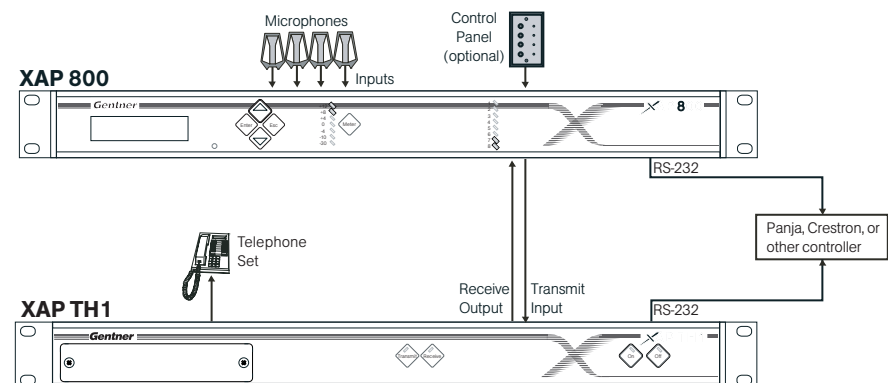
Operates on standard telephone lines and connects to the telephone system with a standard RJ-11C modular jack

### APPROVALS:

FCC Part 68, FCC Part 15,  
CSA NTRL/C, CE



### Typical Installation in XAP 800 System



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