

XAP[®]

XAP TH2 Telephone Interface

ClearOne[®]

A telephone interface for ClearOne's industry-leading XAP professional conferencing systems. The XAP TH2 enables conference call functionality for XAP installations with its single telephone line connection. Up to 16 units can be linked for greatly expanded conferencing capability.



THE CLEAR CHOICE FOR PROFESSIONAL AUDIO CONFERENCING

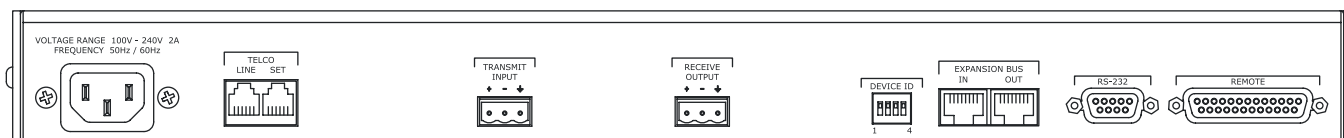
APPLICATIONS

Conference Rooms
Boardrooms
Courtrooms
Distance Learning Facilities
Convention Centers and Hotels
Training Rooms
Telemedicine Facilities
Houses of Worship

ADVANTAGES

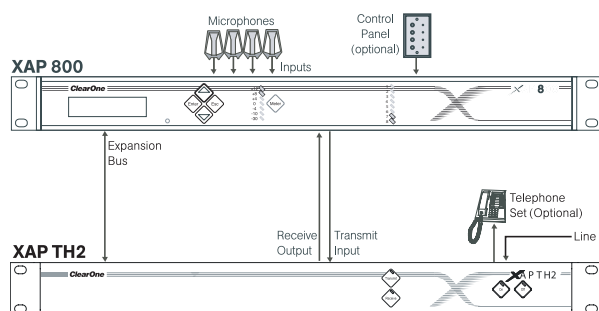
- Superior Audio Performance**
- + Digital signal processing technology ensures crystal clear audio
 - + Full-time echo cancellation eliminates telephone line echo
 - + Automatic level control
 - + Digital anti-alias filter minimizes hum and Central Office switching noise
- Configuration Flexibility & Scalability**
- + Connects to ClearOne's XAP and PSR products through expansion bus port
 - + Conference up to 16 callers in a XAP installation with multiple TH2 units
 - + Configure through included G-Ware™ software, or through RS-232 port
- Ease of Use & Control**
- + Speed dial stores 10 frequently dialed numbers
 - + Incoming call ringing is heard through the loudspeaker
 - + Selectable auto-answer and auto-disconnect
 - + Users can dial telephone numbers, access voice mail, pagers, etc. without the use of a separate telephone device through integrated DTMF (touch-tone) dialing
 - + Software-selectable country configurations

> XAP TH2 BACK PANEL



> INSTALLATION

Typical Installation in XAP 800 System



> SPECIFICATIONS



Audio Performance

Conditions: Unless otherwise specified, all measurements are performed with a 22 Hz to 22 kHz BW limit (no weighting). Transmit limiter and Receive ALC disabled
Frequency Response: 250 Hz to 3.3 kHz ± 1 dB
THD+N: <0.2% re max level
SNR: >62 dB re max level

Telco Line Echo Cancellation

Tail time: 31 ms
Null: 55 dB nominal

Expansion Bus In/Out

Proprietary Network
RJ-45 (2), 115.2 kbps,
110 Ω Impedance
Category five twisted-pair cable
80' (24 meters) maximum cable length between any two PSR1212s, XAP 800s or XAP 400s

RS-232

DB-9 female
9,600/19,200/38,400 (default)/57,600 baud rate;
8 bits, 1 stop, no parity
Hardware flow control on (default)/off

Control/Status

DB-25 female
Inputs: active low (pull to ground)
Outputs: open collector, 40 VDC max,
40 mA each
+5 VDC (300 mA over-current protected)

Telco Line

RJ-11
POTS (plain old telephone service) or analog extension from a PBX
A-lead supervision provided

Telco Set

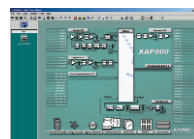
RJ-11
Connect analog telephone set
A-lead supervision provided

Transmit Input

Push-on terminal block, balanced, bridging
Impedance: >10 Ω
Nominal Level: 0 dBu
Maximum Level: 15 dBu

Receive Output

Push-on terminal block, balanced
Impedance: <50 Ω
Nominal Level: 0 dBu
Maximum Level: 19 dBu



Device ID

4-position DIP switch

Set-up Software

G-Ware

Power Input Range

Auto-adjusting
100-240 VAC; 50/60 Hz

Power Consumption

15 W typical

Approvals

FCC, CSA, IC, CE, NOM, ACA, SABS,
JATE

Dimensions (LxDxH)

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

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