XAP®

XAP TH2 Telephone Interface

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.

ClearOne®

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
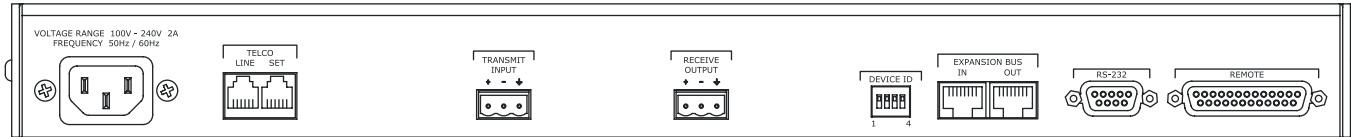+ Digital anti-alias filter minimizes hum and Central Office switching noise

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
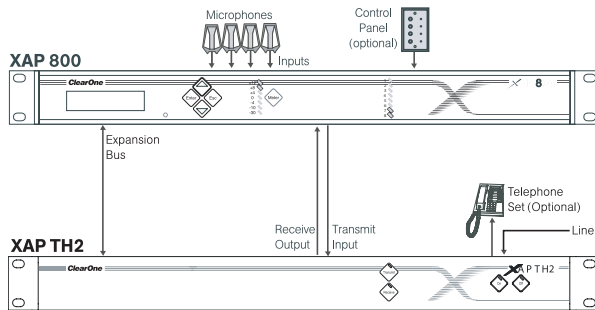
Ease of Use & Control
+ Speed dial stores 10 frequently dialed numbers
+ Incoming call ringing is heard through the loudspeaker
+ Selectable auto-answer and auto-disconnect
+ Users can dial telephone numbers, access voice mail, pagers, etc. without the use of a separate telephone device through integrated DTMF (touch-tone) dialing
+ Software-selectable country configurations

> **XAP TH2 BACK PANEL**

VOLTAGE RANGE 100V - 240V 2A
FREQUENCY 50Hz / 60Hz

TELCO
LINE SET

TRANSMIT
INPUT
+ - +

RECEIVE
OUTPUT
+ - +

DEVICE ID

1   4

EXPANSION BUS
IN   OUT

RS-232

REMOTE

> **INSTALLATION**

Typical Installation in XAP 800 System

Microphones

Control
Panel
(optional)

XAP 800

ClearOne

Inputs

8

Expansion
Bus

Telephone
Set (Optional)

XAP TH2

ClearOne

Receive
Output

Transmit
Input

Line

XAP TH2

> **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 kž 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 kž
Nominal Level: 0 dBu
Maximum Level: 15 dBu

Receive Output
Push-on terminal block, balanced
Impedance: <50 ž
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

> **CLEARONE LOCATIONS**

Headquarters:
Salt Lake City, UT USA
5225 Wiley Post Way
Suite 500
Salt Lake City, UT 84116
Tel: 801-975-7200
800-945-7730
Fax: 801-977-0087
sales@clearone.com

Latin America

Tel: 801-974-3621
global@clearone.com

EMEA

Tel: 44 (0) 1189 036 053
global@clearone.com

APAC

Tel: 801-303-3388
global@clearone.com