

GT1524

GT1524 Single Channel Echo Canceller

ClearOne.

A single channel echo canceller featuring ClearOne's professional audio technology. The GT1524 includes a built-in telephone interface and power amplifier to add audio conferencing to existing sound reinforcement and video conference applications.



THE CLEAR CHOICE FOR PROFESSIONAL AUDIO CONFERRING

APPLICATIONS

Add audio conferencing to video conferencing applications

Add audio conferencing to existing sound reinforcement applications

ADVANTAGES

Superior Audio Performance

- + Single Echo Cancellation channel
- + Simultaneous two-wire/four-wire capability brings audio conferencing functionality to video conferencing
- + Full-duplex sound enables participants to speak and listen at the same time without cutting in and out
- + One mic/line input, two lines in, two lines out
- + 20 Hz – 20 kHz bandwidth for full-range audio response
- + 8 kHz sampling rate allows continual adaptation to telephone line conditions
- + Audible ring indication sounds through speaker or line output

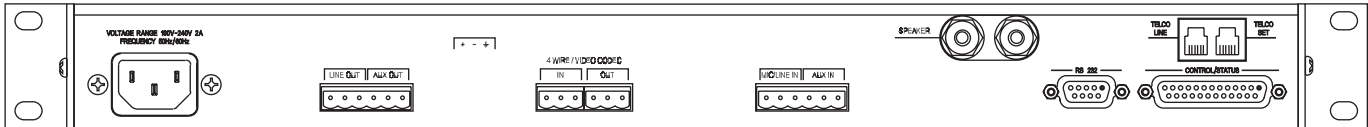
System Control

- + Control and program GT1524 via RS-232 connection with ClearOne IR Remote or 3rd-party control systems such as AMX and Crestron, or via front panel buttons and display
- + Integrated touch-tone dialing

Conferencing Capability

- + Built-in telephone interface and power amplifier
- + Connect directly to video codec to enhance audio performance

> **GT1524 BACK PANEL**



> **SPECIFICATIONS**



Audio Performance Conditions

Unless otherwise specified, all measurements are performed with a 22 Hz to 22 kHz BW limit (no weighting).
 Frequency Response: 20 Hz to 15 kHz ± 2 dB
 Noise (EIN): -125 dBu, 15 kHz BW, max gain, $R_s=150 \Omega$
 THD+N: <0.1%
 SNR: 65 dB re 0 dBu
 Dynamic Range: 85 dB

Telco Audio Performance

Frequency Response: 250 Hz to 3.3 kHz ± 2 dB (AGC disabled)
 SNR: >60 dB re -15 dBm on/off the telephone line
 THD+N: <0.2%, 250 Hz to 3.3 kHz (AGC disabled)
 Pre-emphasis: +4 dB @ 2 kHz
 TEC tail time: 31 ms
 TEC null: 55 dB nominal

Telco Line

RJ-11 connector
 POTS (plain old telephone service) line or analog extension from PBX

Telco Set

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

RS-232

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

Control/Status

DB25 female
 Inputs: active low (pull to ground)
 Outputs: open collector, 40 VDC max, 40 mA each
 +5 V pins (2), 300 mA each

Mic/Line Input

Push-on terminal block, balanced, bridging
 Impedance: 5 k Ω
 Nominal Level: adjustable -55 dBu, 0 dBu
 Maximum Level: -33 dBu, +20 dBu
 Echo Cancellation: 120 ms tail time (works with 12 dB of room gain)
 Phantom Power: 24 V, selectable

AUX In

Push-on terminal block, balanced, bridging
 Impedance: 20 k Ω
 Nominal Level: 0 dBu
 Maximum Level: 19 dBu

4-Wire/Video Codec In

Push-on terminal block, balanced, bridging
 Impedance: 20 k Ω
 Nominal Level: 0 dBu
 Maximum Level: 19 dBu

Line Output

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

AUX Output

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

4-Wire/Video Codec Out

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

Speaker Output

Binding post; 5 W max into 4 Ω

Power Input Range

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

Power Consumption

30 W typical

Operating Temp

32 to 100° F/0 to 38° C

Humidity

15% to 80%, non-condensing

Approvals

FCC, ASA, CE

Dimensions (L x D x H)

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

Weight

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

Part Number

910-114-101 GT1524 Single Channel Echo Canceller

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