

GT300

TELECONFERENCING ROOM SYSTEMS



PRODUCT OVERVIEW

The GT300 Group Teleconferencer is designed for audio teleconferencing applications in medium to large size rooms. The GT300 has been specially developed for audio teleconferencing usage. Its 3.4 kHz frequency response matches the telephone bandwidth to give optimum sound quality for teleconferences conducted over the telephone network. Like other Gentner teleconferencers, the GT300 can also be used as the audio teleconferencer in video applications.

In the development of the GT300 we have integrated a variety of technologies for optimum audio quality at an affordable price. The GT300 offers completely full duplex conversations and 100% Digital Signal Processing (DSP) circuitry so that your conversations will be clear and understandable. Echo cancellation is set at peak levels to best match the acoustic needs of medium to large size boardrooms.

The GT300 has a built in microphone mixer and power amplifier to directly connect up to three microphones and power one speaker. A "one box" design eliminates the need for other microphone mixers and power amplifiers. When extra microphones or speakers are needed, a microphone mixer and power amplifier, such as the Gentner MPA, can be added. All accessory equipment, including the remote control, telephone, and recording devices directly connect to the GT300.

GTS300

With our GTS Group Teleconferencing System we put everything we've learned about teleconferencing into forming the best sounding and most comprehensive audio system available. The GTS300 includes all of the equipment needed to conduct an audio teleconference without purchasing separate audio components from a variety of manufacturers.



The GTS300 Includes:

- GT300 Group Teleconferencer
- Two omnidirectional microphones
- One wall mount professional speaker
- Optional: remote control

FEATURES/BENEFITS

- 3.4 kHz frequency response
- Two wire/telephone or four wire/video operation
- Built in power amplifier and three channel microphone mixer
- 112 millisecond echo cancellation span
- 100% digital audio processing
- Completely full duplex operation
- Digital gain processing
- Auto answer/auto disconnect
- Privacy button for private conversations
- Sleek design for "in-the-room" or "rack" installation
- Designed specifically for audio teleconferencing applications
- Expandable for additional speaker and microphone coverage
- Digitally eliminates acoustic echo for high intelligibility
- People at all locations can speak simultaneously without interruption
- Maintains consistent audio levels within the room, even with changing telephone line conditions
- Highly reliable operation and setup
- "One box" solution - no external mixer or amplifier needed
- Reduces space requirements usually needed for mixer and amplifier

 **Gentner**

800.945.7730
801.975.7200

GT300

TELECONFERENCING ROOM SYSTEMS



SPECIFICATIONS

Physical Dimensions:

19"W x 1.75"H x 10"D
48.3W x 4.45H x 25.4D cm

Weight:

10 lbs./ 4.5 kg dry
13 lbs./ 5.9 kg shipping

Connectors:

Remote: DB-15 female
RS-232: DB-9 female (provides control of front panel functions and simple diagnostics)

Inputs: 3-pin female XLR (4 wire/video receive and room transmit)

Outputs: 3-pin male XLR (4 wire/video transmit and room receive)

Mic Input: DB-9 male

Speaker Output: Binding post

Telco Line/Set:
RJ-11C

Tape Record/Tape Play:
Phono (RCA)

Power Requirements:
85-240 VAC; 50/60 Hz

Fuse:

2 amp, 250 VAC

Frequency Response:

300 Hz to 3.4 kHz; +/-1 dB

Maximum Power Output:

1 x 3 watts into 4 Ohms, continuous, adjustable

Microphone Input:

-50 dBu, adjustable; 1.5 kOhms, balanced; 15 V phantom power

Echo Cancellation Span:

At least 112 milliseconds

Operating Temperature:

32° to 100° F

APPLICATIONS

- Audio teleconferencing in medium to large size rooms
- Courtroom teleconferencing
- Stand alone, or building block for larger room designs

ARCHITECTURAL SPECIFICATIONS

The audio Group Teleconferencer and mixer/power amplifier shall provide connections to a standard telephone line or a four wire circuit. It shall provide balanced line level and microphone level connections and shall be capable of operation with either gating or non-gating microphone mixers. It shall be capable of driving one 40hm speaker with at least 3 watts capacity. The system shall be capable of being remotely controlled by both parallel and serial (RS-232) devices.

The interface shall employ Digital Signal Processing (DSP) to remove acoustic echoes. It shall supply at least 30dB of cancellation and/or 18dB of suppression of acoustic echo. The acoustic echo cancellation span shall be at least 112 milliseconds. Telephone sidetone cancellation shall be at least 40dB with a cancellation span of at least 32 milliseconds. Audio frequency response shall be from 300Hz to 3.4kHz, +/-1dB in both 4 wire/video and telephone operation.

The Gentner GT300 is specified.



Gentner Communications Corporation
1825 Research Way
Salt Lake City, UT 84119 USA

800.945.7730

801.975.7200

Fax: 801.977.0087
<http://www.gentner.com>

Try our conference Call service:
1-800-LETS MEET

Send this document to any fax machine with Gentner's Fax-On-Demand: 800.695.8110 Doc. #2001

WE PUT THE WORLD ON SPEAKING TERMS™

©1998 Gentner Communications Corporation. Printed in USA, 1/98. Features, specifications, and descriptions are accurate as of this printing. Gentner reserves the right to modify this information without prior notice or obligation.