

DATA SHEET

Qt® CONFERENCE ROOM EDITION SPEECH PRIVACY SOLUTION FOR CONFERENCE ROOMS



The Qt® Conference Room Edition consists of a control module, two lighted privacy signs, and a series of direct-field sound masking emitters. When a room occupant turns on the control module inside of the conference room, it powers the sound masking emitters placed in the ceiling just outside of the conference room. The emitters add a low level of background sound making human speech less intelligible. Lighted privacy signs inside and outside of the conference room indicate the system is running, and let conference room occupants know their conversations are being protected.

FEATURES

- Out-of-the-box support for conference rooms with up to 40 feet (12 m) of exposed wall
- Meeting occupants can easily turn the system on and off with the push of a button
- Control module and privacy signs provide clear indication that the system is activated
- Premium, minimalist design style seamlessly fits in with other conference room AV equipment
- Smooth sound masking ramp up and ramp down to limit disruptions; adjustable via the front panel
- Option to add additional emitters for larger areas
- Easy to integrate with in-room third-party control systems
- Can be turned on and off for meetings or left running at all times
- Energy efficient; consumes less than 7 watts of power
- Straightforward, low-impact installation
- Controllable via Tesira software
- CE marked, UL listed, and RoHS compliant
- Covered by Biamp Systems' five-year warranty

ARCHITECTS & ENGINEERS SPECIFICATION

The sound masking solution shall be comprised of a sound masking generator, privacy signs, and sound masking emitters. The sound masking solution shall be suitable for use in areas up to 800 square feet (74 square meters) in size with 8 emitters. The sound masking solution shall be expandable to a total of 120 compatible emitters, providing up to 12,000 square feet (1,115 square meters) of coverage. The sound masking generator shall be suitable for surface or recessed wall mounting. The sound masking generator shall support 4 channels of amplified non-correlated audio signals within a single control zone. The sound masking generator shall support programmable levels of sound masking up to a maximum of 55 dBA SPL. The sound masking level shall be adjustable via the front panel menu or an optional remotely switched contact closure. The sound masking ramp up/down times shall be independently adjustable for both front panel and contact closure operation. The sound masking generator shall include a front panel button lockout capability. The privacy signs shall be wall-mounted and powered by the sound masking generator. The privacy signs shall provide visual indication of sound masking on/off states. The sound masking emitters shall comply with the requirements of UL Standard 2043 and shall be suitable for mounting in acoustic ceiling tiles that also comply with UL Standard 2043 requirements. The sound masking emitter connections shall be made via category 3 structured cabling or better with RJ-45 modular plugs in a daisy-chain configuration. The sound masking generator shall be ETL listed and GreenSpec listed. The sound masking solution shall be CE marked, UL listed, and shall be compliant with the RoHS directive. Warranty shall be 5 years. The sound masking solution shall be Qt® Conference Room Edition.

Qt CONFERENCE ROOM EDITION SPECIFICATIONS

CONTROL PROCESSOR		Power Supply	
Frequency Response¹:		Operating Voltage:	100-240VAC 50/60Hz
Sound Masking:	200Hz to 6.3kHz	Current Draw:	0.6A
Music/Paging:	200Hz to 10kHz	Output:	24VDC @ 1A
SPL¹:		Max. Power Consumption (24VDC):	7W
Minimum Masking SPL (@ 1m):	30dBA	Input Connector:	Captive Screw Terminal & Coax Power Plug (center pin positive)
Maximum Masking SPL (@ 1m):	60dBA		
Maximum Music/Paging SPL (@ 1m):	62dBA		
Masking		Overall Dimensions	
Number of Non-Correlated Masking Sources:	4	Height:	3.5 inches (89mm)
Number of Masking Zones:	1 (2 cable runs per zone)	Width:	7 inches (179mm)
Masking Level Adjustment:	0.5dB steps	Depth:	0.875 inches (23mm)
Masking Ramp Times:	0-120 seconds (up and down ramp times are independent)	Weight:	11 oz. (318g)
Audio Inputs		Included Accessories:	ACT Hole Saw; Box Adapter Plate (4-Gang US or 3-Gang UK/EU)
Input Connector Type:	Captive Screw Terminals	PRIVACY SIGNS	
Number of Inputs:	1 (Stereo or Mono)	Number of Connectors:	1
Input Level:	+4dBu (2VRMS max)	Connector Type:	Spring-Loaded Push Terminals
Input Level Adjustment:	1dB steps	Cable Type:	20AWG 2-Conductor Type CMP (Plenum)
Input Impedance:	5kΩ	Input Voltage:	5VDC @ 75mA
Remote Control		Overall Dimensions	
Connector Type:	Captive Screw Terminals	Height:	3.5 inches (89mm)
Input Type:	Contact Closure (Normally Open)	Width:	4.5 inches (113mm)
Number of Inputs:	1	Depth:	0.2 inches (48mm)
Output Type:	Logic Status (5VDC)	Weight:	3 oz. (91g)
Number of Outputs:	1	Included Accessories:	2 Single Gang Electrical Enclosure Backing Plates; 2 Glass Finishing Plates with Adhesive Strips; (2) 50 foot (15m) cables
Output Connections:	2 RJ-45		
Minimum Output Impedance:	7Ω (per channel)		
Privacy Sign Connections			
Number of Connectors:	2		
Connector Type:	Captive Screw Terminals		
Output Voltage:	5VDC @ 75mA		

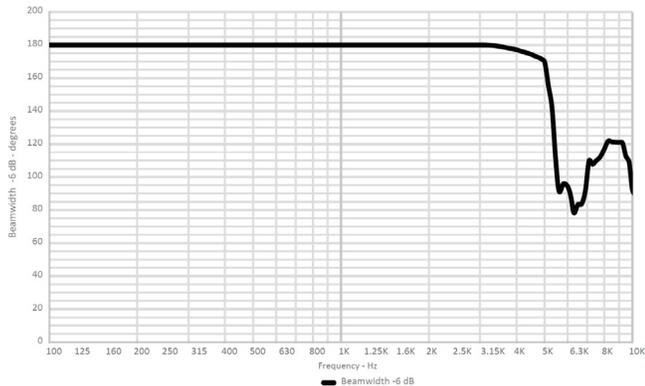
¹ Specifications based on emitter array using published layout practices in conjunction with Qt Control Processor.

Qt CONFERENCE ROOM EDITION SPECIFICATIONS (CONTINUED)

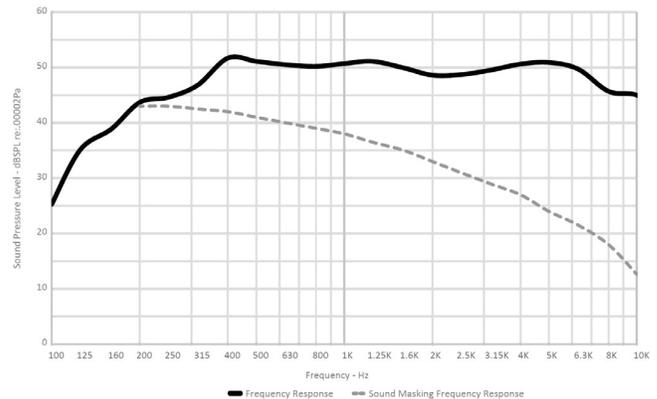
EMITTERS			
Number of Emitters:	8	Cable Type:	UTP Twisted Category 3 Type CMP (Plenum)
Input Connection:	1 RJ-45	Overall Dimensions	
Output Connection:	1 RJ-45	Height:	2.5 inches (64mm)
Frequency Response¹:		Diameter:	3.25 inches (83mm)
Sound Masking:	200Hz to 10kHz	Weight:	5.6 oz. (159g)
Music/Paging:	200Hz to 10kHz	Included Accessories:	Ceiling Tile Mounting Ring; (1) 50 foot (15m) cable; (7) 16 foot (5m) cables
SPL¹:		Environment	
Minimum Masking SPL (@ 1m):	30dBA	Ambient Operating	
Maximum Masking SPL (@ 1m):	60dBA	Temperature Range:	40 - 90° F (4 - 32° C)
Maximum Music/Paging SPL (@ 1m):	62dBA	Humidity:	0-95%, non-condensing
Channel Selection:	4 Channels (Auto Sequencing and Repeating)	Altitude:	0-6,600 feet (0-2000 Meters) MSL
Loudspeaker Type:	Passive with Transformer	Compliance:	FCC Part 15B (USA) CE marked (Europe) UL und C-UL listed (USA and Canada) ETL Listed (USA and Canada) GreenSpec Listed (UK) RoHS Directive (Europe) Emitters evaluated to the requirements of UL 2043 and are suitable for use in air handling spaces
Maximum Power Consumption:	0.11W		
Driver Diameter:	1.25 inches (32mm)		
Nominal Impedance:	3.6kΩ		
Nominal Dispersion:	170° conical/half space		
Selectable Attenuation:	0dB, -3dB, -6dB, -9dB		
Maximum Emitter Quantity (per Run):	60		
Maximum Number of Runs:	2		
Maximum Cabling Distance (per Run):	1000 feet (300m)		

¹ Specifications based on emitter array using published layout practices in conjunction with Qt Control Processor.

EMITTER BEAMWIDTH



FREQUENCY RESPONSE



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