

## PRODUCT DESCRIPTION

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

- 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
- Adjustable ramp times via Front Panel / Optional switched control
- Easy to integrate with in-room Crestron/AMX control systems
- Smooth sound masking ramp up and ramp down to limit disruptions
- Can be turned on and off for meetings or left running at all times
- Energy efficient and consumes less than 7 watts of power
- Straightforward, low-impact installation
- Out-of-the-box support for conference rooms with up to 40 ft (12 m) of exposed wall
- Option to add additional emitters for larger areas



## TECHNICAL SPECIFICATIONS

<b>Control Processor/Privacy Signage</b>	Qty -1 ST-1000 Control Processor and Qty -2 Privacy Signs Included in Kit
<b>*Sound Masking Frequency Response:</b>	1200 Hz -6,300 Hz
<b>*Music / Paging Frequency Response:</b>	1200 Hz to 10,000 Hz
<b>*Masking Min - Max SPL:</b>	1 30 dBA to 60 dBA @ 1 meter distance
<b>*Music / Paging Max SPL:</b>	1 62 dBA @ 1 meter distance
<b>User Adjustable Equalization:</b>	None - Internally Fixed Masking Spectrum
<b>Non Correlated Masking Sources:</b>	4 Masking Sources
<b>Number of Masking Zones:</b>	1 Zone - (2 Cable Runs per Zone)
<b>Number of Audio Inputs:</b>	1 Audio Input - (Stereo or Mono)
<b>Audio Input Level:</b>	+4 dBu (2 Volts RMS Max)
<b>Audio Input Impedance:</b>	5000 Ω
<b>Audio Input Connector:</b>	Captive Screw Terminal (Balanced / Unbalanced)
<b>Remote Control Function:</b>	Quantity 1 - Contact Closure Input (Normally Open) / Qty 1 - 5Vdc Logic Status Output
<b>Remote Control Connector:</b>	Captive Screw Terminals
<b>Minimum Output Impedance:</b>	7Ω per channel
<b>Power Input:</b>	Captive Screw Terminal & Coax Power Plug (center pin positive)
<b>Privacy Sign Connections Controller:</b>	Qty 2 - Captive Screw Terminals - 5Vdc Output @75ma (confirm sign power draw)
<b>Privacy Sign Connections Sign:</b>	Qty 1 - Spring Loaded Push Terminals - 5 Vdc input @ 75ma current draw
<b>Output Connections:</b>	RJ45 x Quantity 2 (8 Conductor)
<b>Masking Level Adjustment:</b>	Four Front Panel Buttons w/ LCD Display - 0.5 dB steps
<b>Masking Ramp Times:</b>	0 to 120 Seconds - up and down ramp times are independent (Front Panel / Remote Control)
<b>Audio Input Level Adjustment:</b>	Four Front Panel Buttons w/ LCD Display - 1 dB steps
<b>Setup Menu Access:</b>	Four Front Panel Buttons w/ LCD Display
<b>Emitter / Device Capacity:</b>	60 Qt Emitters per Run - 120 Qt Emitters Total

## TECHNICAL SPECIFICATIONS CONT.

<b>Maximum Emitter Cabling Distance:</b>	1000ft (300 meters) per cable run.
<b>Maximum Power Consumption:</b>	7 Watts @ 24 VDC
<b>Power Supply Operating Voltage:</b>	Input: 100 - 240 VAC @ .6 Amp - Output:24 VDC @ 1.0 Amp
<b>Included Control Processor Accessories:</b>	Power Supply / ACT Hole Saw / Box Adapter Plate (4-Gang US - 3-Gang UK/EU) / ST-1000 Back Box
<b>Included Privacy Sign Accessories:</b>	Qty 2 - Single Gang Electrical Enclosure Backing Plate / Qty 2 - Glass Finishing Plate with Adhesive Strips
<b>Firmware Update:</b>	Yes - Integrated USB Connector
<b>Controller Mounting:</b>	Wall Mount - (Back plate included) / Electrical Box (US/UK/EU Adapter Included) / Supplied Backbox
<b>Privacy Sign Mounting:</b>	Single Gang Electrical Enclosure (North American Nema or EU/UK types) / Self Adhesive Strips
<b>Control Processor Color:</b>	Black
<b>Privacy Sign Color:</b>	Black w/ Blue LED
<b>Dimensions:</b>	7" x 3.5" x 0.875" (17.9 cm x 8.9 cm x 2.3 cm)
<b>Privacy Sign Dimensions:</b>	4.5" x 3.5" x .19" (11.3 cm x 9 cm x .48 cm)
<b>Weight:</b>	6 oz. (170 g)
<b>Operating Temperature Range:</b>	40°F to 90°F (4°C to 32°C)
<b>Certifications:</b>	FCC Part 15 RoHS Compliant CE US STD 60065 CAN/CSA STC C22 2 60065 ETL Listed Green Spec Listed
<b>Qt-Emitter</b>	Qty-8 (White) Included in Kit
<b>*Sound Masking Frequency Response:</b>	200 Hz - 10,000 Hz
<b>*Music / Paging Frequency Response:</b>	200 Hz - 10,000 Hz (-10 dB)
<b>*1Masking Min - Max SPL:</b>	30 dBA - 60 dBA @ 1 meter distance
<b>*2Music / Paging Max SPL:</b>	62 dBA @ 1 meter distance
<b>Nominal Impedance:</b>	3600 Ω
<b>Nominal Dispersion:</b>	170 degrees conical / half space
<b>Connections:</b>	Input / Output - RJ45 Modular Jack
<b>Channel Selection:</b>	Four Channel Auto Sequencing and Repeating
<b>Selectable Attenuation:</b>	0 dB, -3 dB, -6 dB, -9 dB
<b>Cabling:</b>	Category UTP Cabling (8 conductor)
<b>Included Accessories:</b>	Acoustic Ceiling Tile Mounting Ring - UTP Cable (16ft/30ft)
<b>Loudspeaker Type:</b>	Passive w/ Transformer
<b>Maximum Power Consumption:</b>	.110 Watts
<b>Driver Diameter:</b>	1.25" (3.2 cm)
<b>Enclosure:</b>	Sealed
<b>Color:</b>	White (Optional Black Caps and Accessories)
<b>Height:</b>	2.5" (6.4cm)
<b>Diameter:</b>	3.25" (8.3cm)
<b>Weight:</b>	5.6 oz. (159 g)
<b>Certifications:</b>	UL 2043
<b>Cabling</b>	Qty 1 - 50ft Emitter Cable / Qty 7 -16ft Emitter Cables / Qty 2 - 50ft Privacy Sign Cables - Included in Kit
<b>Emitter Cabling</b>	Type CMP (Plenum) UTP Twisted Category 3 Cable
<b>Privacy Sign Cabling</b>	Type CMP (Plenum) 20AWG 2 Conductor Cable
<b>SKU#</b>	Qt-HCE

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

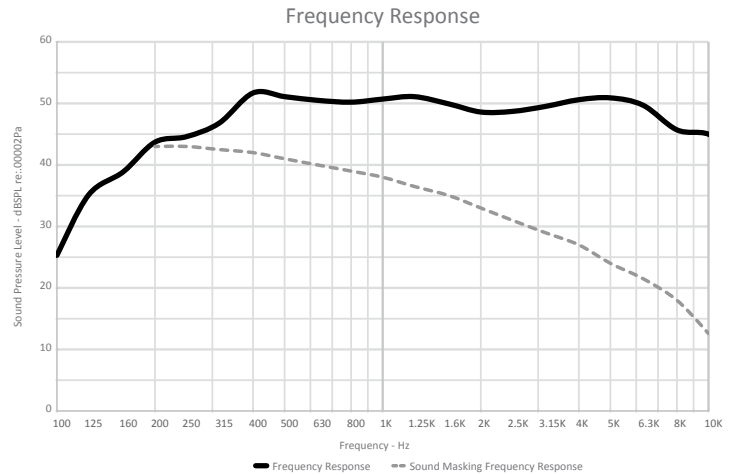
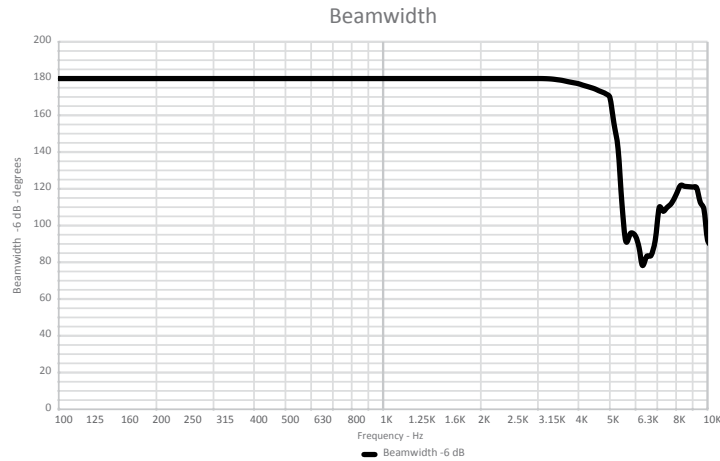
1 Bridge Mode Cable will increase Masking Min - Max SPL by + 3 dB from levels indicated.

2 Bridge Mode Cable will increase Music / Paging Max SPL by + 6 dB from levels indicated.

3 For black emitters, CSM ships white emitters with the appropriate color cap.

## ARCHITECTURAL SPECIFICATIONS

The product consists of a sound masking package including sound masking generator, qty. 2 privacy signs, qty. 8 sound masking emitters, and installation cabling suitable for providing speech privacy protection in limited areas up to 800 sq. ft. (74 .3 sq. m). The ETL Listed / FCC Part 15 compliant sound masking generator is comprised of a single electronic device, suitable for surface or recessed wall mounting containing 4 channels of amplified non-correlated audio signals within a single control zone. The sound masking generator will be capable of expanded area coverage up to 12,000 sq. ft (1114.8 sq. m) with addition of a maximum total of 120 compatible emitters. Emitter connections shall be via standard 24AWG-4 Pair-Category 3 type cabling with type RJ45 modular plugs in a 2- cable run / daisy chain configuration. The generator shall be capable of raising and lowering sound masking to programmable levels (55 dBA SPL max) via user interaction from either front panel menu or an optional remotely switched contact closure. Sound masking ramp up/down times shall be independently adjustable for both front panel and contact closure operation with a front panel button lockout option available via the generator's setup menu. Remotely wall mounted privacy signs powered by the generator indicates to occupants the operational status of the generator and subsequent speech privacy protection. Quantity eight Qt Standard Emitters suitable for mounting in acoustic ceiling tiles which meet UL Standard 2043 requirements for heat and smoke release shall be included in the package in addition generator mounting brackets, privacy signage mounting brackets, 24VDC power supply, and Type CMP plenum rated installation cabling in lengths ranging from 50ft (15.2 meters) to 16ft (4.8 Meters).



## OPTIONAL ACCESSORIES

Hole Saw ACT	SKU# HS-ACT (Qty 1 Included)
Hole Saw Drywall	SKU# HS-DW
Universal Bracket	SKU# UB-(B=Black / W=White)
Drywall Mount	SKU# DM
Beam Bracket	SKU# BB-(B=Black / W=White)
Drywall Conduit Mount	SKU# CM
Plenum Back Can	SKU# PB
Emitter Cap (Black)	SKU# EC-B
Emitter Cap (White - Paintable)	SKU# EC-W
4 Pack of Qt Emitters White -16ft Cables	SKU# E-A-W-16-4 (4 Pack of White Emitters with 4 x 16ft Cables)
4 Pack of Qt Emitters Black -16ft Cables	SKU# 3E-A-B-16-4 (4 Pack of Black Emitters with 4 x 16ft Cables)
4 Pack of Qt Emitters White -30ft Cables	SKU# E-A-W-30-4 (4 Pack of White Emitters with 4 x 30ft Cables)
4 Pack of Qt Emitters Black -30ft Cables	SKU# 3E-A-B-30-4 (4 Pack of Black Emitters with 4 x 30ft Cables)
Qt-CRE Power Supply	SKU# PS-4 (Qty 1 Included)