

**CAMBRIDGE QT X SERIES**  
**SOUND MASKING**

# Cambridge Qt X Series sound masking

Biamp's Cambridge Qt™ X series takes sound masking to an unmatched level of industry-leading capabilities. Featuring a unique network connectivity approach to sound masking, the Qt X expands Biamp's first-in-class technologies like individual loudspeaker

control and patented direct-field sound masking emitters with even greater system-wide intelligence. It's sound masking for customers who demand flexible control and system monitoring with unparalleled security.

## The Industry's Best Sound Masking Solution — and so much more

Delivering more than just exceptional speech privacy and workplace comfort, the Qt X series also leverages the power of two distinct network audio live streaming technologies: AVB and Dante™. Choose what's right for your environment and take advantage of background music playback and granular zoned paging capabilities in a single platform.

### UNMATCHED FLEXIBILITY

- The Qt X series is engineered to address end users' unique architectural variables by controlling both direct and indirect installations on a single network.
- Capable of sharing audio sources across all Qt X controllers on the same network.
- All emitter, loudspeaker and control unit installation variables are covered by a host of mounting accessories.
- Qt X technology's advanced system architecture meets today's demands while providing simple scalability for tomorrow's requirements.
- Easily mount any Qt X control unit in-rack, in-wall, or in-plenum.





## ULTIMATE SIMPLICITY

- The industry's best system design software allows integrators to easily determine the optimal layout and required Qt X sound masking components to support end users' needs—saving precious time during system design and installation.
- Utilizing Biamp's superior Qt® Pro emitters and Dynasound Pro® loudspeakers, the Qt X series delivers out-of-the-box simplicity—no need to learn new speaker requirements.
- The Qt X series offers four core controllers, two audio transports (AVB or Dante), and one common web interface, greatly simplifying the system-design process and end user management.

## SUPERIOR CONTROL

- System-wide control is handled by Biamp's industry-leading SageVue software, delivering Qt X controller information, system alerts, firmware updates, and much more.
- Whether in a private office or call center, a hospital waiting room or hallway, Qt X series controllers enable unparalleled sound masking adjustment capabilities—per zone or even per speaker.
- Sound masking output can easily be fine tuned to account for a building's acoustic variables, such as HVAC noise.
- It's never been easier to adjust background music and/or paging output on a zone-by-zone basis—Qt X technology provides ultra-intuitive control options.

## SEAMLESS COMPATIBILITY

- Qt X uses standard Ethernet hardware and core components interconnected using the same networking standards businesses use today. Gone are the days of proprietary network connections, special cable types, and multiple hardware modules that IT would disallow due to security vulnerabilities.
- Standard AVB and available Dante media network output means easy plug-and-play compatibility with countless AV technologies—including Biamp’s Tesira lineup.
- From convenience paging to enterprise communications, Qt X series controllers enable simple integration with Biamp’s NPX network paging and Vocia voice communication solutions.
- The Qt X series meets critical fire code requirements, including the NFPA 72 fire alarm signal standard.

## ENTERPRISE-CLASS SECURITY

- Rest assured, IT administrators: Qt X series controllers run securely on any corporate network.
- Network security features include IEEE 802.1X authentication, TLS encryption, no open network ports, and compatibility with Dante Domain Manager security.
- Device security includes 100% encrypted data, auto-updated certificates, required user authentication, customizable user-privilege levels, and the ability to isolate system control and media delivery on separate networks.

## Qt Emitter Mounting Accessories

For any non-ceiling-tile sound masking installation using our Qt Standard or Active Emitters, there’s a mounting accessory that’s right for every situation.



### UNIVERSAL BRACKET

For mounting the emitter to a wall or ceiling.



### BEAM BRACKET

For mounting the emitter to exposed I-beams or trusses.



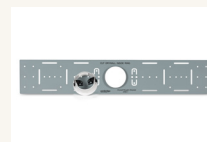
### PENDANT MOUNT

For installing emitter in open- or raised-ceiling spaces.



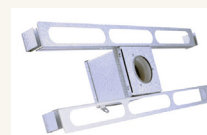
### DRYWALL MOUNT

For mounting the emitter into drywall ceilings.



### DRYWALL ROUGH-IN BRACKET

For installing the emitter before the drywall ceiling is hung.



### CEILING CONDUIT MOUNT

For mounting the emitter into acoustic ceiling or drywall in regions with special fire-code and/or conduit requirements.

## QT X MODEL COMPARISON

QT X CONTROL MODULE	QT X 300	QT X 600	QT X 800	QT X 805
<b>Zones</b>	Up to 3	Up to 6	Up to 8 zones of 8-ohm speakers	8 zones of line-level or 8-ohm amplified outputs
<b>Approximate Coverage Area</b>	36,000 ft <sup>2</sup>	72,000 ft <sup>2</sup>	Varies	Varies
<b>Media Network</b>	AVB (Qt X 300) AVB and Dante (Qt X 300D)	AVB (Qt X 600) AVB and Dante (Qt X 600D)	AVB (Qt X 800) AVB and Dante (Qt X 800D)	AVB (Qt X 805) AVB and Dante (Qt X 805D)
<b>Emitter/Loudspeaker Compatibility</b>	Qt Pro Standard or Active Emitters	Qt Pro Standard or Active Emitters	Dynasound Pro Loudspeakers	Dynasound Pro Loudspeakers
<b>SageVue Compatibility</b>	Yes	Yes	Yes	Yes
<b>Networked Paging/Music Audio Inputs</b>	8	8	8	8
<b>Analog Paging/Music Audio Inputs</b>	2	2	2	2
<b>Output Connections</b>	3 controllable outputs, each with A&B runs	6 controllable outputs with A&B runs for each of the 12 RJ-45 connections	8 captive screw terminal	8 captive screw terminals for line level balanced outputs / 8 captive screw terminals for speaker level outputs
<b>Front Panel LCD Screen</b>	Yes	Yes	Yes	Yes
<b>Auto Ramping, Event Scheduling, and Adjustable Equalizer for Masking and Audio Inputs</b>	Yes	Yes	Yes	Yes
<b>Web Interface Control Via All Web-enabled Devices</b>	Yes	Yes	Yes	Yes
<b>Overall Dimensions</b>	H: 3.5 in. (89 mm) W: 11 in. (279 mm) D: 3.8 in. (97 mm) Wt.: 1.5 lbs. (0.68 kg)	H: 3.5 in. (89 mm) W: 11 in. (279 mm) D: 3.8 in. (97 mm) Wt.: 1.5 lbs. (0.68 kg)	H: 3.5 in. (89 mm) W: 11 in. (279 mm) D: 3.8 in. (97 mm) Wt.: 1.5 lbs. (0.68 kg)	H: 3.5 in. (89 mm) W: 11 in. (279 mm) D: 3.8 in. (97 mm) Wt.: 1.5 lbs. (0.68 kg)
<b>Compliance</b>	FC part 15B (USA), UL Listed (USA and Canada), CE Marked (Europe), RoHS Directive (Europe)	FC part 15B (USA), UL Listed (USA and Canada), CE Marked (Europe), RoHS Directive (Europe)	FC part 15B (USA), UL Listed (USA and Canada), CE Marked (Europe), RoHS Directive (Europe)	FC part 15B (USA), UL Listed (USA and Canada), CE Marked (Europe), RoHS Directive (Europe)
<b>Included Accessories</b>	ACT Hole Saw, Wall Bracket	ACT Hole Saw, Wall Bracket	Plenum Bracket Mounting Kit	Rack Mount Kit
<b>Warranty</b>	5-year	5-year	5-year	5-year



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