QtPro
sound masking

Steelcase

The Case for Quiet

Noise and lack of speech privacy can create a workplace full of distraction. Shrinking footprints pack more people into smaller spaces, and collaborative areas occur spontaneously throughout open plans. In increasingly fluid and exposed work environments, information control and freedom from distraction are critical for workers to be able to focus and improve their productivity.

Sound masking can help. Designed and built by the acoustics experts at Cambridge Sound Management and utilizing their patented Qt Quiet Technology™, QtPro™ is engineered to provide exceptional sound masking in today's changing workplace. The addition of sound masking to a workplace helps reduce distraction and improves speech privacy.

43%

In a study of more than 23,000 workers, an average of 43% of respondents believe noise has a negative impact on their work.*

**The Center for the Built Environment*

Making a Sound Comparison

QtPro is a direct-field sound masking system that is more efficient and effective than the older, traditional in-plenum systems. The following diagrams highlight the difference in a hypothetical workspace.

THE DIRECT-FIELD DIFFERENCE

QtPro uniformly disperses a pre-tuned sound masking signal directly into the workspace. The result is a consistent sound throughout the space that is easily achievable without the complex tuning required by competitive indirect systems.

- **Miniature emitters**
- **Optimal sound masking level**
- **Lower sound masking level**

WHY IN-PLENUM SYSTEMS FALL SHORT

In comparison, competing plenum-based (indirect) sound masking systems use speakers above the ceiling to project sound upward. Obstructions in the plenum (above the ceiling), such as beams and HVAC components, affect how and where the sound filters back into the workspace. The result is an inconsistent and unpredictable sound field that requires tedious tuning to achieve even coverage.

- **In-plenum loudspeaker**
- **Optimal sound masking level**
- **Lower sound masking level**
- **Louder volume for same masking**
- **Lowest sound masking level**

Making Sound Choices

There's a lot that goes into creating an effective sound masking system. But the science doesn't need to add complexity. QtPro is simple to install, simple to operate and simple to understand.

QtPro is a complete enterprise solution supporting multiple zones. A variety of control modules and emitters can be combined to build the best solution for any and all environments, from individual workspaces to midsize companies to large corporations.

CONTROL MODULES

Qt 100
Control module supports up to 120 emitters for one zone, covering up to 12,000 square feet. Unit is controlled via on-box LCD interface.

Qt 300
Control module supports up to 360 emitters for three zones, covering up to 36,000 square feet. Unit is controlled via on-box LCD interface or network interface.

Qt 600
Control module supports up to 720 emitters for six zones, covering up to 72,000 square feet. Unit is controlled via on-box LCD interface or network interface.

ROOM CONTROL

Qt Room Control
Qt® Room Control lets users adjust the sound masking level for an individual room or space with two to eight emitters.

ADJUSTABLE EMITTERS

Qt Emitters
Qt™ Emitters offer users greater flexibility in designing their Qt system. Adjustable emitters allow users to reduce the volume of an individual emitter by up to 9 dB in 3 dB decrements. The emitter is appropriate for individual spot adjustments, or creating micro zones down to 100 square feet (9.3 m^2) of space.

Qt Active Emitters
Qt® Active Emitters are a powerful all-in-one sound masking, office paging and background music speaker.

INDIVIDUAL SOUND MASKING PACKAGES

Conference Room Privacy System
Qt® Conference Room Privacy System protects the confidentiality of conversations in conference and board rooms. System includes control module, lighted privacy signs and a series of direct-field sound masking emitters.

Patient Room Privacy System
Qt® Patient Privacy System ensures patient and provider speech confidentiality in healthcare settings such as waiting rooms, exam rooms and pharmacies. System includes control module, lighted privacy signs and a series of direct-field sound masking emitters.

Sonet Qt
Sonet Qt® masks sound in an individual's personal workspace. Based on the same technology found in QtPro™ systems, the portable Sonet Qt® gives workers the flexibility and mobility to mask sound and reduce distraction at the individual level within the workplace.

Technical Information

GENERAL INFORMATION		QT 100	QT 300	QT 600
Number of zones		1	up to 3	up to 6
Maximum number of emitters per zone	Standard emitter Active emitter	120 n/a	120 100	120 100
Maximum number of emitters per control module	Standard emitter Active emitter	120 n/a	360 300	720 600
Approx. sq. foot coverage per control module	Standard emitter Active emitter	12,000 sq. ft n/a	36,000 sq. ft 30,000 sq. ft	72,000 sq. ft 60,000 sq. ft
Ability to accommodate music/paging		yes	yes	yes
Number of paging/music inputs		1	2	2

SYSTEM CONTROL	QT 100	QT 300	QT 600
Front panel LCD	yes	yes	yes
Networked, browser-based software	no	yes	yes
Direct to PC, browser-based software	no	yes	yes
Wireless, infrared remote control	n/a	n/a	n/a
System monitoring	n/a	yes (includes emitters)	yes (includes emitters)
Volume adjustments	by zone	by zone	by zone
Volume adjustment increments	1 dB	1 dB	1 dB
Introductory volume ramping	n/a	by zone	by zone
Day/night volume level & ramping	n/a	by zone	by zone
Input sensitivity adjustments	n/a	at system level	at system level
Spectrum tuning	n/a	by zone	by zone
Equalizer	n/a	yes	yes

SECURITY	QT 100	QT 300	QT 600
Front panel lock	yes	yes	yes
Software access	n/a	multiple passwords	multiple passwords

OTHER FEATURES	QT 100	QT 300	QT 600
Fault detection for speakers and amplifiers	n/a	yes	yes
Email notification of errors	n/a	3 addresses	3 addresses
Integrated instruction manual (via software)	n/a	yes	yes
Internal clock	n/a	yes	yes
Contact closures for emergency alarm integration (to duck sound masking)	yes	yes	yes

PHYSICAL ATTRIBUTES	QT 100	QT 300	QT 600
Unit size	7" x 3.5" x 0.875", 6 oz.	11" x 3.5" x 3.8", 1.5 lbs.	3.5" x 13.5" x 3.8", 3.0 lbs.
Mounting options	wall	wall or rack	wall or rack
Power supply	100-240 VAC 50/60 Hz .6A input 24.0 VDC 1.0A output CE/UL/CUL-rated	100-240 VAC 50/60 Hz .9A input 24.0 VDC 1.5A output CE/UL/CUL-rated	100-240 VAC 50/60 Hz .9A input 24.0 VDC 1.5A output CE/UL/CUL-rated

STATEMENT OF LINE

CONTROL MODULES

Qt 100
Height: 3.5"
Width: 7"
Depth: .875"

Qt 300
Height: 3.5"
Width: 11"
Depth: 3.8"

Qt 600
Height: 3.5"
Width: 13.5"
Depth: 3.8"

ROOM CONTROL

Qt Room Control
Height: 4.1"
Width: 1.9"

ADJUSTABLE EMITTERS

Qt Emitter
Height: 2.5"
Width: 3.5"

Qt Active Emitter
Height: 3.25"
Width: 3.5"

INDIVIDUAL SOUND MASKING PACKAGES

Conference Room Privacy System
Height: 4.43"
Width: 8.31"
Depth: 1.06"

Patient Room Privacy System
Height: 4.43"
Width: 8.31"
Depth: 1.06"

Sonet Qt
Controller: 6" x 3" x 1.5"
Speaker: 6" x 3" x 1.5"

MOUNTING COMPONENTS

Control Module Mounting Component
A rack mount bracket is available for the Qt 300 and Qt 600 control modules to enable installation in a 19" equipment rack.

Emitter Mounting Components
Components include an external mounting bracket, external mounting clamp and drywall mounting bracket.

CABLING AND COMPONENTS

Cables are plenum-rated with RJ-45 jacks on both ends; available in 10', 25', 50', 75' and 100' lengths. Components include splitters and couplers.

SUSTAINABILITY

PEOPLE. PLANET. PROFIT.

By rethinking our business systems and designing our products to avoid negative impacts on humans and the environment, we contribute to a sustainable future for the planet and its people. We commit to advancing our practices through continuous learning and building partnerships with our customers, business partners and environmental thought leaders to optimize our performance and contribute to the science and practice of sustainability.

To find out more, visit www.steelcase.com/sustainability.

QTPRO ENVIRONMENTAL FEATURES

QtPro consumes minimal power. Qt uses less than 8 watts per zone or 40 watts per control module.

Steelcase®

Call 800.333.9939 or visit Steelcase.com

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