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Qt and Confidante
sound masking

Steelcase

THERE'S A PROBLEM WITH NOISE IN THE WORKPLACE

Designed and built by the acoustics professionals at Cambridge Sound Management and based on their patented Qt Quiet Technology™, both Qt™ and Confidante® are engineered to provide exceptional sound masking in today's changing workplace—in the open plan and the private office. Shrinking footprints pack more people into smaller spaces. The open plan continues to replace the private office. And collaborative areas are integrated into the open plan.

Sound masking can help. The addition of sound masking to a workplace can help reduce distraction and improve speech privacy. Both are important to improving productivity.

NOISE AND LACK OF SPEECH PRIVACY CAN CREATE A WORKPLACE FULL OF DISTRACTION

It's not a new problem, just a persistent one. Recent studies demonstrate that noise and speech privacy (even more than noise) top workers' lists of complaints. Studies also indicate that workers feel their productivity would improve if their offices were less noisy and offered improved speech privacy.

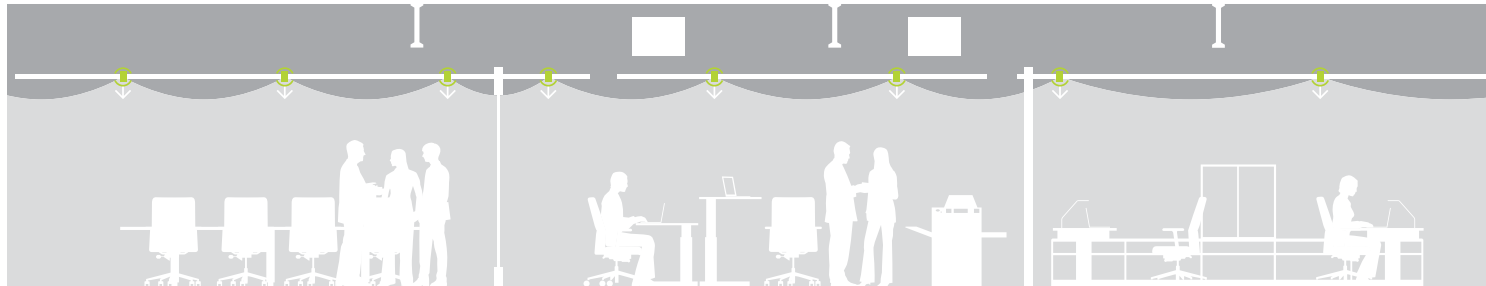


43%

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

MAKING A SOUND COMPARISON

Qt and Confidante are direct-field sound masking systems that are more efficient and effective than the older, traditional in-plenum systems. The following diagrams highlight the differences in a hypothetical workspace.



THE DIRECT-FIELD DIFFERENCE

Qt and Confidante uniformly disperse 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.



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.

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. Qt and Confidante are simple to install, simple to operate and simple to understand.

Qt is a complete enterprise solution supporting multiple zones. A variety of control modules help fine-tune the appropriate solutions for offices from thousands of square feet to hundreds of thousands of square feet. In addition to sound masking, Qt supports music and paging. Network control provides the ability to adjust volume levels and access advanced features over a local area network.

Confidante is a simple system appropriate for providing sound masking for smaller workplaces or small "problem" areas within a large workplace.



Confidante 30 / 300



Qt 900 / 1500



Qt 200



Qt 600

TECHNICAL INFORMATION

GENERAL INFORMATION	CONFIDANTE 30P	CONFIDANTE 300P	QT 200	QT 600	QT 900	QT 1500
Number of zones	1	1	up to 2	up to 6	up to 3	up to 5
Maximum number of emitters per zone	30	300	120	120	360	360
Maximum number of emitters per control module	30	300	240	720	1,080	1,800
Approx. sq. foot coverage per control module	3,000 sq ft	30,000 sq ft	24,000 sq ft	72,000 sq ft	108,000 sq ft	180,000 sq ft
Ability to accommodate music/paging	no	no	yes	yes	yes	yes
Number of paging/music inputs	n/a	n/a	1	2	3	3

SYSTEM CONTROL

Front panel LCD	n/a	n/a	yes	yes	yes	yes
Networked, browser based software	n/a	n/a	no	yes	yes	yes
Direct-PC browser-based software	n/a	n/a	no	yes	no	no
Wireless, infrared remote control	yes	yes	n/a	n/a	n/a	n/a
Volume adjustments	at system level	at system level	by zone	by zone	by zone	by zone
Volume adjustment increment	2 dB	2 dB	1 dB	1 dB	1 dB	1 dB
Introductory volume ramping	n/a	n/a	n/a	by zone	at system level	at system level
Day/night volume level & ramping	n/a	n/a	n/a	by zone	at system level	at system level
Input sensitivity adjustments	n/a	n/a	n/a	at system level	at system level	at system level
Spectrum tuning	n/a	n/a	n/a	by zone	by zone	by zone

SECURITY

Front panel lock	n/a	n/a	yes	yes	yes	yes
Software access	n/a	n/a	n/a	multiple passwords	multiple passwords	multiple passwords

OTHER FEATURES

Fault detection for speakers and amplifiers	n/a	n/a	n/a	yes	n/a	n/a
Email notification of errors	n/a	n/a	n/a	3 addresses	1 address	1 address
Integrated instruction manual (via software)	n/a	n/a	n/a	yes	yes	yes
Internal clock	n/a	n/a	n/a	yes	n/a	n/a
Contact closures for emergency alarm integration (to duck sound masking)	no	no	no	yes	no	no

PHYSICAL ATTRIBUTES

Unit size	7.5" x 8" x 1.5"	7.5" x 8" x 1.5"	3.5" x 11" x 3.5"	3.5" x 13.5" x 3.5"	12" x 14" x 4"	12" x 14" x 4"
Mounting options	wall	wall	wall	wall or rack	wall	wall
Power supply	12 watt 110 VAC/12VDC CE/UL/CUL-rated	12 watt 110 VAC/12VDC CE/UL/CUL-rated	100-240 VAC 50/60Hz .9 A input 24.0 VDC 1.5A output CE/UL/CUL-rated	100-240 VAC 50/60Hz .9 A input 24.0 VDC 1.5A output CE/UL/CUL-rated	100-240 VAC 50/60Hz 1.5 A input 15 VDC 4A output CE/UL/CUL-rated	100-240 VAC 50/60Hz 1.5 A input 15 VDC 4A output CE/UL/CUL-rated

STATEMENT OF LINE

CONTROL MODULES

Qt 200

Height: 3.5", width: 11", depth: 3.5"
Two Zone Control Module. Supports up to 240 emitters on two sound masking zones, covering up to 24,000 square feet.

Qt 600

Height: 3.5", width: 13.5", depth: 3.5"
Six Zone Control Module. Supports up to 720 emitters on six sound masking zones, covering up to 72,000 square feet.

Qt 900

Height: 12", width: 14", depth: 4"
Weight: 6 lbs.
Three Zone Control Module. Supports up to 1,080 emitters on three sound masking zones, covering up to 108,000 square feet.

Qt 1500

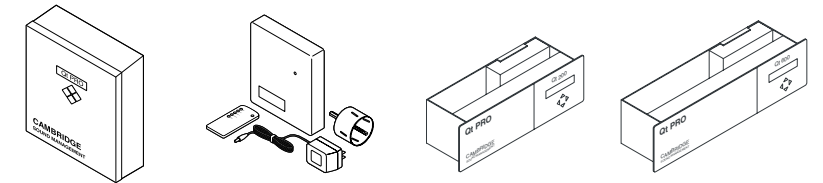
Height: 12", width: 14", depth: 4"
Weight: 6 lbs.
Five Zone Control Module. Supports up to 1,800 emitters on five sound masking zones, covering up to 180,000 square feet.

Confidante 30P

Height: 8.25", width: 7.5", depth: 1.5"
Single zone control module supports up to 30 emitters, covering up to 3,000 square feet. Controlled by infrared remote.

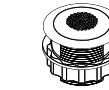
Confidante 300P

Length: 8.25", width: 7.5", depth: 1.5"
Single zone control module supports up to 300 emitters, covering up to 30,000 square feet. Controlled by infrared remote.



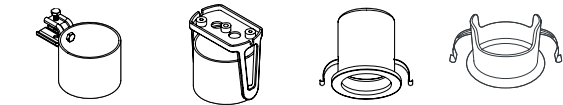
EMITTERS

Width: 3.5", height: 2.5".
Emitters are used to project sound masking, paging and music. Each emitter includes a cable used to connect to adjacent emitters; cables are available in 16 or 30 foot lengths; four pack emitter and 48-pack emitters are available.



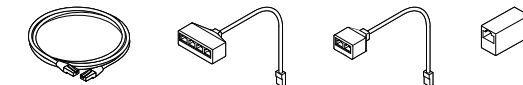
MOUNTING COMPONENTS

Include external mounting bracket, external mounting clamp and drywall mounting bracket.



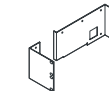
CABLING AND COMPONENTS

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.



RACK MOUNT

A rack mount bracket is available for the Qt 600 control module to enable installation in a 19" equipment rack.



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 advance 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

QT AND CONFIDANTE ENVIRONMENTAL FEATURES

Both systems consume minimal amounts of power. Qt uses less than 8 watts per zone or 40 watts per control module. Confidante uses less than 8 watts per control module and is GreenSpec Listed.

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