

Qt™ Emitters — A generation ahead in sound masking, paging and music

Qt™ emitters are a generation ahead in the marketplace. These miniature, direct-field speakers are lightweight and omnidirectional, providing nearly 180 degrees of sound dispersion. At about the size of a coffee cup, these plug-and-play emitters may be used interchangeably with all of Cambridge Sound Management's sound masking, paging and music systems.

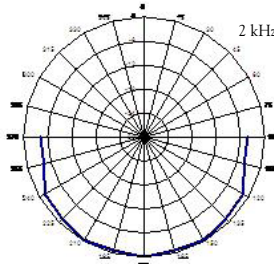


Applications:

- Distribute sound masking, paging and/or music signals throughout a workspace.
- Used in conjunction with a Qt Quiet technology™ control units — Qt PRO™ or Oasis Qt™.

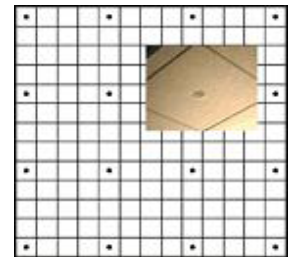
Smart Speaker Technology:

- Qt™ emitters employ a small, 1-3/8" driver in a direct-field enclosure, allowing for omnidirectional sound transmission into a workspace.
- "Smart" emitters automatically sequence four distribution channels to eliminate acoustical interference effects and the need complicated tuning regimen.
- A quick-connect feature configuration allows for rapid installation in ceiling tile.
- Qt™ emitters achieve superb spatial uniformity, allowing a listener to hear sound from approximately 6 speakers at any point in the workspace (in an average installation).
- Emitters meet Trade Act Agreement and Buy America Act requirements



Installation:

- Installation is on a simple grid pattern. (A standard 9' ceiling uses a 10'x10' grid.)
- Emitters are plug-and-play — daisy chained together with pre-terminated, CAT-3, plenum-rated cables with industry-standard RJ-45 connectors.
- Any required home run cables may be easily made on site.
- Emitters fit any ceiling tile from 1/2" to 1-1/2" thick. (The required hole saw is included with purchase of control module).
- Emitters do not require a separate power supply.
- All cabling may be installed by a low-voltage installer.



Standard Components:

- Each emitter includes a lock ring and a 16-foot CAT-3 cable pre-terminated with RJ-45 connectors.

Scalability, Coverage and Configuration

- Emitters are installed in a grid pattern based on ceiling height.
- Each emitter provides, on average, 100 square feet of coverage in an open area.
- Private office requirements are based on size of space.
- System coverage in any space can be expanded at any time by adding more emitters, up to the capacity of the control module.



Emitter Installation Tips:

- Ideal time to install in new construction is after ceiling grid is up, but before space is furnished.
- Cut all tiles at once to save time.
- Cut holes from the front of a tile.
- Install emitters outward from the control module, with the control module turned on.
- Listen to confirm correct operation of each emitter. Fix any issues before moving on.
- An emitter may be moved up to 2 feet (or 1 tile) in any direction from the layout plan to accommodate sprinkler heads or other barriers not indicated on the layout plan.

Product Variations:

- Ceiling tile-mount is the most typical installation. However, optional enclosures allow emitters to be attached to virtually any surface — beams, lighting fixtures, plasterboard, metal, wood and others.
- Emitter housings are sold separately and do not include an emitter.

External Emitter Mount with bracket:



Cylinder Length: 3.9" (9.9 cm)
Cylinder Diameter: 3.3" (8.38 cm)
Weight: 3.3 oz. (without emitter)
Material: PC/ABS
Color: White

External Emitter Mount with beam clamp:



Cylinder Length: 3.9" (9.9 cm)
Cylinder Diameter: 3.3" (8.38 cm)
Weight: 4.0 oz. (without emitter)
Jaw opening: 0.95" (2 cm)
Cylinder Material: PC/ABS
Color: White

Drywall mount:



Height: 3.88" (9.85 cm)
Diameter: 2.98" (7.58 cm)
Weight: 6.7 oz. (without emitter)
Materials: Enclosure: steel
Housing Collar: steel/aluminum
Color: White
Maximum drywall depth: 3/4"

Emitter Specifications:

Height: 2.5" (64mm)
Diameter: 3.25" (83mm)
Weight: 5.7 oz. (159 g)
Color: White
Wiring: Plenum-rated CAT3/5/5A/6 patch cords

Frequency Response: +/-1dB (500Hz~8kHz)
SPL Output: 36 – 57 dB

Emitters are made from self-extinguishing plastic to ensure UL 940V-0 flammability resistance and are plenum rated, complying with UL 2043.



Cambridge Sound Management, LLC, located in Cambridge, MA, is the developer of Qt *Quiet technology™*, a low-voltage distributed audio system for sound masking, paging and background music distribution in the workplace. Qt *Quiet technology™* systems are sold worldwide and are deployed in millions of square feet of modern workspace. Installations range from modest offices to large, leading-edge workspaces. Applications range from improving productivity in open work areas to ensuring privacy in settings such as healthcare offices or executive areas. Cambridge Sound Management is a spin-off of technology innovator BBN Technologies (formerly Bolt, Beranek and Newman). Qt *Quiet technology™* and *Oasis Qt™* are trademarks of Cambridge Sound Management, LLC.