

## Qt Quietpage™ — a generation ahead in paging and music distribution for the workplace

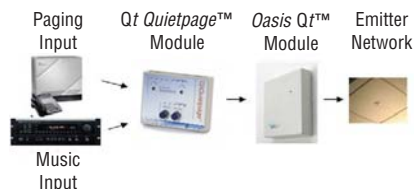
Qt Quietpage™ is a plug & play, direct-field paging and background music solution – a simple add-on to the Oasis Qt™ sound masking system from Cambridge Sound Management.



### Applications:

- All-call or zoned paging, background music and sound masking – all in one simple installation.
- Open spaces, private offices, or both – with zone-controllable paging and music levels.
- Standard applications: Workspaces with 8- to 13-foot suspended ceilings with any type of tile.
- Non-standard applications: Workspaces with high, open ceilings.
- Any office configuration: Any size space, ranging from 50 square feet to over 1 million square feet; a single floor or multi-building campus.

### Sound Masking + Paging + Music Distribution



### Paging and Music Components:

- Qt Quietpage™ module — interface between paging and music sources and up to 8 Oasis Qt™ sound masking control modules.
- Power Supply — 12 VDC via a 3-watt UL/cUL rated wall-mounted power supply.
- Single three-wire cable for connecting output to Oasis Qt™ sound masking control module.
- Phoenix™ connector for paging source output.
- Six-foot standard 1/8" Stereo to RCA conversion cable for various types of music sources.
- 1/8" stereo jack to 1/4" stereo plug adapter.
- Velcro strips for wall-mounting the Qt Quietpage™ module.

### Oasis Qt™ Sound Masking System: (Required for installation of Qt Quietpage™)

- Oasis Qt™ emitters and control modules — “Smart” emitters automatically select among four channels to eliminate interference effects. One module can power up to 300 emitters, covering up to 30,000 square feet.

### Paging and Music Features:

- Balanced paging input via a Phoenix™ 3-pin jack.
- Unbalanced music input via dual RCA input jacks – allowing Left/Right stereo inputs.
- Dedicated compressor, limiter, and noise gate for each paging and music input.
- LED indicators for simple sensitivity adjustment of paging and music sources.

### Installation & Interconnection:

- Emitters are plug & play using pre-terminated, CAT-3 plenum rated cables and industry standard RJ-45 connectors.
- Emitters fit any ceiling tile from 1/2" to 1 1/2" thick. For ceiling tile installation, the required hole saw is included.
- Installation is on a simple grid pattern; grid dimension depends on ceiling height. A typical 9-foot ceiling is installed on a 10' x 10' grid.
- Qt Quietpage™ module easily connects to Oasis Qt™ sound masking system electronics.

## Emitter Housing Variations



- Ceiling-tile type mount is the most typical installation. However, emitters can be installed in optional enclosures for attachment to beams, lighting fixtures, plasterboard, metal or wood ceilings, raised floors, or even designed into furniture or office partitions.

## Scalability, Coverage and System Configuration:

- A single zone can range from under 50 square feet to 30,000 square feet.
- Each Qt Quietpage™ module can interface with up to 8 Oasis Qt™ sound masking control modules.
- Optional amplifiers allow Qt Quietpage™ to connect with an unlimited number of Oasis Qt™ zones.
- Multiple zones can be created for flexibility, control, and expansion: one Qt Quietpage™ system for several Oasis Qt™ sound masking modules; or one Qt Quietpage™ for each zone.
- Individual power supplies for each Oasis Qt™ control module and each Qt Quietpage™ module.
- Emitters do not require a separate power supply: all NEC class 2 distribution cabling can be installed by low voltage installers.

## Technical Configuration:

The Qt Quietpage™ module adds paging and/or background music inputs to the Oasis Qt™ sound masking system. Qt Quietpage™ uses a separate power supply and is connected by a short audio cable to the host sound masking electronics.

Paging input is differential (balanced) for enhanced performance in electrically noisy environments but may also be used with unbalanced sources. Page input is accepted via a Phoenix™ 3-pin jack.

Music input is single-ended (unbalanced) to work with the headphone output of most commercial grade music sources – such as an MP3 player or audio receiver. The music functionality has two inputs (left and right channels of a stereo source) which are summed into a mono music signal. Music inputs are provided via RCA jacks.

Each input preamplifier has sensitivity adjustable over a 20dB range. Sensitivity is adjusted through the front face with a small screwdriver. Each input has a dedicated compressor, limiter, and noise gate. Each compressor may be individually disabled via a front-panel DIP switch (hidden below label so as not to be accidentally changed).

Compression ensures consistent emitter-level output even if input source is too loud or not loud enough. Two LEDs display the level of each input source — green for signal present, orange when signal limiting is occurring. The two sources are mixed via front panel controls. This signal is then mixed with the sound masking noise in the Oasis Qt™ emitters.

## Qt Quietpage™ Specifications:

Size	Weight
4.75 x 3.625 x 1 inch (127 x 102 x 51 mm)	11 ounces (311.84 grams)

### Page input impedance

20K ohms, differential input

### Music input impedance

10K ohms each of two inputs mixed to mono

### Compression ratio (paging and music inputs)

2:1dB input to output

### Limiting ratio (paging and music inputs)

15:1dB input to output

### Noise Gate slope and threshold (paging and music inputs)

1:3dB slope, -50dB threshold relative to limiter activation level

### Frequency response (paging and music inputs)

Band pass limited from 250Hz to 25kHz (+/- 1.5dB)

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. Our systems are sold direct and by select partners worldwide; they are deployed in millions of square feet of space. Installations range from modest home offices to spaces of unlimited size. Applications range from providing acoustical comfort in open workspaces to settings such as doctor's offices, where sound masking is used to ensure confidential speech privacy.

Qt Quiet Technology™, Oasis Qt™ and Qt Quietpage™ are trademarks of Cambridge Sound Management, LLC.