

# Qt PRO™ — a generation ahead in sound masking, paging and music

This innovative 3-in-1 system features cutting-edge audio technology for today's workplace. Qt PRO™ is ideal for small to large-sized workspaces, and those with granular audio zoning requirements.

One System.  
Three Functions.



Unlimited Potential.

## Sound Masking:

- A uniform, airflow-like background sound is added to the space to cover conversations
- Ensures confidential speech privacy in closed offices
- Reduces distractions and improves productivity in open environments
- Equalizers provide a tuning option (although this is not required)

## Paging:

- May be all-call or zoned throughout the space; Inputs may be from PBX or paging microphone; Connection via 3-pin terminal connector; Balanced input with 40K Ohm input impedance; line level input (6V max)

## Music:

- Input may be from any standard audio source; Unbalanced input with 10K Ohm input impedance; line level input (6V max)

## Qt PRO™ 600 administration screen:

The screenshot shows the 'Administration' tab of the Qt PRO™ 600 control module. It features several configuration sections:

- Service:** Unit Name, Location, Serviced By (Cambridge Sound Management), Phone No. (617-349-3779), and a REBOOT button.
- Zone Names:** A list of six zones (Zone 1 to Zone 6) with a Submit button.
- Date and Time:** Current date (Nov 8, 2013), time (2:43 PM RTC), Day (Friday), Month (Nov), Year (2013), Time (14:43), and NTP Server (pool.ntp.org).
- Networking and Security:** Panel Lock (Unlocked), DHCP, MAC Address, IP Address, Gateway, Netmask, Primary DNS, Secondary DNS, Hostname (QT00), Username (admin), and Password.
- Notification of Errors:** Email Address, Server Name, Port Number (25), Username, and Password.
- Time Zone:** GMT-05 - Eastern Time, Second Sunday in March (Daylight Savings Time Begins), and First Sunday in November (Daylight Savings Time Ends).

## Qt PRO™ 600 operations screen:

The screenshot shows the 'Operations' tab of the Qt PRO™ 600 control module. It displays real-time status and controls:

- Zone 1:** Real-time status for Zone 1, including a Submit button.
- Time of Day Masking:** Controls for masking, including Program Music to On (8:00 AM), Stop Music to On (3:00 PM), Ramp Interval (30 minutes), Saturday Schedule (Day/Night), and Sunday Schedule (Day/Night).
- Status:** Nov 8, 2013, 2:43 PM RTC, Status OK.

## Applications:

- Open cubicle areas
- Private offices and adjacent public spaces
- Reception areas
- Large office buildings or campuses

## Standard Components:

**Direct-field emitters**— miniature ceiling-mounted speakers; each comes with a 16-foot plenum-rated cable with pre-wired connectors; driven directly from control module and require no external power.

**Qt PRO™ Qt-100 control module** – supports up to 120 emitters on 1 zone, covering up to 12,000 square feet. Includes 1 audio input for distribution of externally generated music or paging signal via 4 terminal compression type connector. Unit is controlled via on-box LCD-based interface.

**Qt PRO™ Qt-200 control module** – supports up to 240 emitters on 2 zones, covering up to 24,000 square feet. Includes 1 audio input for distribution of externally generated music or paging signal via 4 terminal compression type connector. Unit is controlled via on-box LCD-based interface.

**Qt PRO™ Qt-600 control module** – supports up to 720 emitters on 6 zones, covering up to 72,000 square feet. Includes 2 audio inputs for distribution of externally generated music or paging signals via 4 terminal compression type connectors. Unit is controlled via on-box LCD-based interface or network software.

## Qt PRO™ System Monitoring and Control Software:

- Controls masking, paging and music volumes from any desktop browser
- Ships pre-installed on every control unit; no external configuration files required

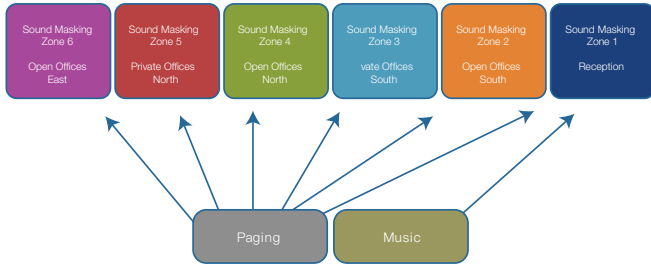
## Qt PRO™ System Monitoring and Control Software:

- Controls masking, paging and music volumes from any desktop browser
- Ships pre-installed on every control unit; no external configuration files required
- Software hosted on control module board
- Requires connection to an IEEE 802.3 LAN (TCP/IP)
- Fault notification via email alerts
- Equalizer function available for acoustic professionals
- Browser “bookmarks” can manage multiple control modules

## Zone Configuration:

- Sound masking requirements dictate zone configuration
- For Qt 100, Qt 200 and Qt 600, each zone has a 120 emitter capacity, which equals approximately 12,000 square feet per zone.
- Coverage can be expanded at any time by adding more emitters, up to the capacity of the zone or control module

## Sample Configuration: (Shown for Qt 600)



## Volume Ramping:

- Allows user(s) to acclimate to new background sound
- Option at startup increases sound masking volume to desired level over a pre-defined number of days
- Day/Night volume controls allow for gradual ramp up/ramp down of masking volumes at the beginning and end of each day

## Simple Installation:

- Any facility professional or low-voltage vendor may install; no in-ceiling power sources required
- Plug-and-play emitters daisy-chain with standard cables
- Configuration via front panel screen or intuitive, pre-installed software
- No post-installation tuning required, although functionality is available

## Security:

- Control panel locks to prevent tampering
- Password protected network software controls

## Upgrades:

- Customers with older Confidant control units can upgrade to Qt PRO™ for the cost of the control module; Emitter layout is the same for both systems

## Technical Specifications:

**Power consumption:** Qt 100: 8 watts per zone; Qt 200, 600: 4 watts per zone

**Page input:** 40K Ohms or greater, line level input (6V max)

**Music input:** 10K Ohms, line level input (6V max)

**Digital compression and limiting for paging:** performed via DSP

**Frequency response (paging & music):** band limited from 315 Hz to 25k Hz (+/- 1.5 dB)

**Four channel masking sound:** automatic channel distribution

## Standards and Certifications:

Sound masking meets **ASTM E1130** industry standards at up to 3 dBA lower noise levels than competing systems

**GreenSpec**— listing of architectural products that contributes to LEED points; Qt PRO™ listed for lowest power consumption in the industry

**UL** — power supply listed

For more information call 800.333.9939 or visit [steelcase.com](http://steelcase.com)