

PRODUCT DESCRIPTION

The Qt 300 control module is a sound masking generator, controller, third octave band equalizer and amplifier, with two aux audio inputs to allow for distribution of audio from paging controllers and/or (background) music players. The Qt 300 control module is a compact three-zone networkable controller suitable for installations of up to 36,000 square feet (3,345 m²). Each zone can be independently adjusted for masking and aux audio levels and spectra. Levels can be adjusted from the unit's front panel or from a remote desktop leveraging the unit's network connectivity and browser-based GUI.



FEATURES

- Compatible with Qt Emitters or Qt Active Emitters
- Up to 3 zones, 120 emitters per zone
- 2 audio inputs for paging and music
- Contact closure integrates with fire alarm systems
- Front panel with LCD or browser-based software control (or control via the Qt Command Center, sold separately)
- Panel lock (hardware)
- Auto ramping
- Time-of-day scheduling
- Adjustable equalizer for masking and audio inputs
- 4 non correlated sound masking audio sources per zone
- Built-in clock with battery backup
- Wall mount bracket included, optional rack mount bracket also available (SKU: RM-QT)
- Ethernet port
- Web interface control by any web-enabled device
- Third party control API/Ethernet

TECHNICAL SPECIFICATIONS

	Qt® Emitter	Qt® Active Emitter
*Sound Masking Frequency Response:	125Hz-6300Hz	200Hz-6300Hz
*Music/Paging Frequency Response:	200Hz-10000Hz	115Hz-12000Hz
*Masking Min-Max SPL:	30 to 55 dBA @ 1 meter	30dBA to 55 dBA @ 1 meter
*Music / Paging Max SPL:	56 dBA @ 1 meter	74 dBA @ 1 meter
User Adjustable Masking Equalization	ISO 1/3 Octave Bands 200Hz to 6300Hz	ISO 1/3 Octave Bands 125Hz to 6300Hz
User Adjustable Audio Equalization	ISO 1/1 Octave Bands 250Hz to 8000Hz	ISO 1/1 Octave Bands 250Hz to 8000Hz
Emitter / Device Capability	Max 60 Emitters plus	Max 50 Emitters plus
Maximum Emitter Cabling Distance	1000 ft (300 m) per cable run	800 ft (243 m) per cable run

Non Correlated Masking Sources:	12 Masking Sources - (4 per Zone)
Number of Masking Zones:	3 Zone - (2 Cable Runs per Zone)
Number of Audio Inputs:	2 Audio Input - (Stereo or Mono)
Audio Input Level:	+4 dBu (2 Volts RMS Max)
Audio Input Impedance:	5000 Ω
Audio Input Connector:	Captive Screw Terminal (Balanced / Unbalanced)
Emergency Mute Function:	Quantity 2 - Masking / Audio Input B - Contact Closures (Normally Open)
Emergency Mute Connector:	Captive Screw Terminal
Minimum Output Impedance:	2Ω per channel
Power Input Connection:	2.5 x 5.5 mm Coax Power Plug (center pin positive)
Output Connections:	RJ45 x Quantity 6 (8 Conductor)
Masking Level Adjustment:	Four Front Panel Buttons w/ LCD Display - Ethernet Connected via Web Browser - 0.5 dB Steps per zone

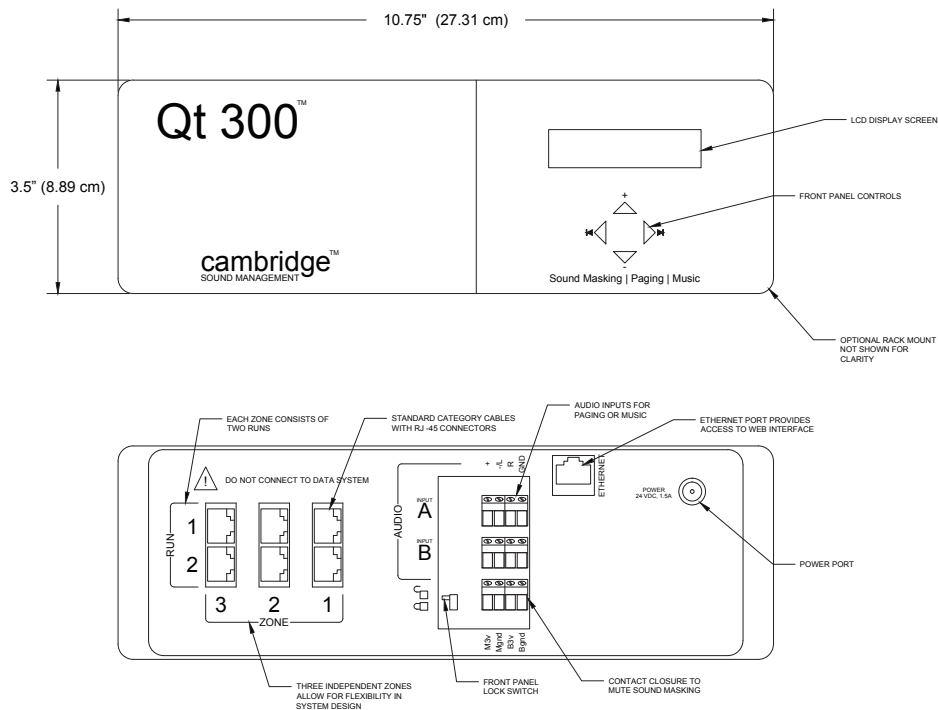
TECHNICAL SPECIFICATIONS (cont.)

Audio Inputs Level Adjustment:	Four Front Panel Buttons w/ LCD Display - Ethernet Connected via Web Browser - 1 dB Steps per zone
Ethernet Connectivity:	Yes - Password Protected Internal Web Server
Maximum Power Consumption:	17 Watts @ 24 VDC
Power Supply Operating Voltage:	Input: 100 - 240 VAC @ .9 Amp - Output: 24 VDC @ 1.5 Amp
Included Accessories:	Power Supply (SKU# PS-3)/ ACT Hole Saw (SKU# HS-ACT)/ Wall Bracket
Firmware Update:	Yes - via Ethernet Connection
Mounting:	Wall Mount - (Bracket included) - Optional Rack Mount Kit Available (SKU# RM-QT)
Color:	Grey / Blue
Dimensions:	11" x 3.5" x 3.8" (27.9 cm x 8.9 cm x 9.7 cm)
Weight:	1.5 lbs. (.68 kg)
Operating Temperature Range:	40°F to 90°F (4°C to 32°C)
Certifications:	FCC Part 15 RoHS Compliant CE US STD 60065 CAN/CSA STC C22 2 60065 ETL Listed Green Spec Listed
SKU#	Qt-300

* Specifications based on use of Qt Emitters / Qt Active Emitter array and based on published layout practices.

ARCHITECTURAL SPECIFICATIONS

The controller shall consist of all electronics required for operating a sound masking system from a single accessible location. Systems with distributed electronic packages above ceilings are not acceptable. The controller shall permit password protected access for control and monitoring via LAN/Browser interface. The controller shall provide three zones and shall be sufficient to generate sound masking, audio control and audio power for up to 36,000 square feet (3,345 m²) of coverage. The unit shall be capable of time-of-day masking level control; per-zone settings shall be available for day/night levels and start times, ramping interval, and weekday/Sat/Sun behavior. Each audio output shall provide 4 uncorrelated channels of masking noise to minimize phase interference and hotspots. The complete system shall consume less than 17 watts of power. The unit shall meet all requirements of Underwriters Laboratories, the US and Canadian National Electrical Codes, FCC Part 15, and all pertinent UK and EU codes.



OPTIONAL ACCESSORIES

Rack Mount Kit	SKU# RM-QT
Hole Saw ACT	SKU# HS-ACT (Qty 1 Included)
Hole Saw Drywall	SKU# HS-DW
Bridge Mode Cable	SKU# CC-BMC
10' Plenum Rated Home Run Cable	SKU# CC-10 - (B=Black / W=White)
25' Plenum Rated Home Run Cable	SKU# CC-25 - (B=Black / W=White)
50' Plenum Rated Home Run Cable	SKU# CC-50 - (B=Black / W=White)
75' Plenum Rated Home Run Cable	SKU# CC-75 - (B=Black / W=White)
100' Plenum Rated Home Run Cable	SKU# CC-100 - (B=Black / W=White)
Room Control (White)	SKU# Qt-RC3
Qt-300/600 Power Supply	SKU# PS-3 (Qty 1 Included)
Qt- AE Emitter Power Supply	SKU# PS-AE-3
Qt-AE Emitter Power Injector	SKU# PI-AE
Adjustable White Qt Emitter 4 Pack with 4x 16 ft Plenum Rated Cables	SKU# E-A-W-16-4 (E-A-B-16-4 for Black)
Adjustable White Qt Emitter 4 Pack with 4x 30 ft Plenum Rated Cables	SKU# E-A-W-30-4 (E-A-B-30-4 for Black)
Adjustable White Qt Active Emitter 4 Pack with 4x 16 ft Plenum Rated Cables	SKU# E-P-W-16-4 (E-P-B-16-4 for Black)
Adjustable White Qt Active Emitter 4 Pack with 4x 30 ft Plenum Rated Cables	SKU# E-P-W-30-4 (E-P-B-30-4 for Black)