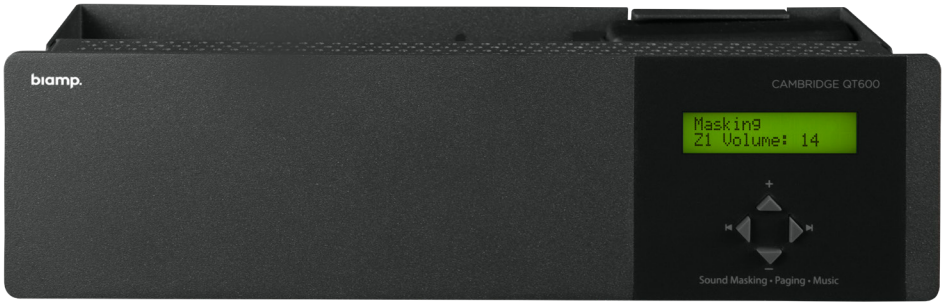
DATA SHEET
Qt® 600
SOUND MASKING CONTROL MODULE



The Qt® 600 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 600 control module is a compact six zone networkable controller suitable for installations of up to 72,000 square feet (6,689 m^2). 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
- Supports up to 6 zones
- 2 audio inputs for paging and music
- Contact closure integrates with fire alarm systems
- Front panel with LCD
- 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
- Ethernet port
- Web interface control by any web-enabled device
- Third party control API/Ethernet
- CE marked, ETL listed, and RoHS compliant
- Met Works with WELL licensing criteria for sound masking
- Covered by Biamp Systems' five-year warranty
- Manufactured in the U.S.A.
- TAA compliant
- GSA eligible

ARCHITECTS & ENGINEERS SPECIFICATION

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 six zones and shall be sufficient to generate sound masking, audio control and audio power for up to 72,000 square feet (6,689 m^2) 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 27 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. The controller shall be CE marked, ETL listed, and shall be compliant with the RoHS directive. Warranty shall be 5 years. The controller shall be Qt® 600.

Qt 600 SPECIFICATIONS

ACTIVE EMITTERS

Max Emitter/Device Capacity:	50 Qt Active Emitters per cable run
Max Emitter Cabling Distance:	800 feet (243m) per cable run
Frequency Response[1]	
Sound Masking:	125Hz to 6.3kHz
Music/Paging:	115Hz to 12kHz
SPL[1]	
Minimum Masking SPL (@ 1m):	30dBA
Maximum Masking SPL (@ 1m):	55dBA
Maximum Music/Paging SPL (@ 1m):	74dBA
Equalization	
Sound Masking (125Hz - 6.3kHz):	ISO 1/3 Octave Bands
Music/Paging (200Hz - 8kHz):	ISO 1/1 Octave Bands

STANDARD EMITTERS

Max Emitter/Device Capacity:	60 Qt Emitters per cable run
Max Emitter Cabling Distance:	1000 feet (300m) per cable run
Frequency Response[1]	
Sound Masking:	200Hz to 6.3kHz
Music/Paging:	200Hz to 10kHz
SPL[1]	
Minimum Masking SPL (@ 1m):	30dBA
Maximum Masking SPL (@ 1m):	55dBA
Maximum Music/Paging SPL (@ 1m):	56dBA
Equalization	
Sound Masking (200Hz - 6.3kHz):	ISO 1/3 Octave Bands
Music/Paging (200Hz - 8kHz):	ISO 1/1 Octave Bands

Masking

Number of Masking Zones:	6 (2 cable runs per zone)
Number of Non-Correlated Masking Sources:	4 per zone
Masking Level Adjustment:	0.5dB steps

Audio Inputs

Input Connector Type:	Captive Screw Terminal
Number of Inputs:	2 (Stereo or Mono)
Input Level:	+4dBu (2VRMS max)
Input Level Adjustment:	1dB steps
Input Impedance:	5kΩ

Remote Control

Connector Type:	Captive Screw Terminal
Input Type:	Contact Closure (Normally Open)
Number of Inputs:	2
Output Type:	Logic Status (5VDC)
Number of Outputs:	1

Output Connections:	12 RJ-45
Minimum Output Impedance:	2Ω (per channel)

Power Supply

Operating Voltage:	100-240VAC 50/60Hz
Current Draw:	0.9A
Output:	24VDC @ 1.5A
Max. Power Consumption (24VDC):	27W

Included Accessories:	ACT Hole Saw Wall Bracket

Overall Dimensions

Height:	3.5 inches (89mm)
Width:	13.5 inches (343mm)
Depth:	3.8 inches (97mm)
Weight:	3.0 lbs (1.4kg)

Environmental:

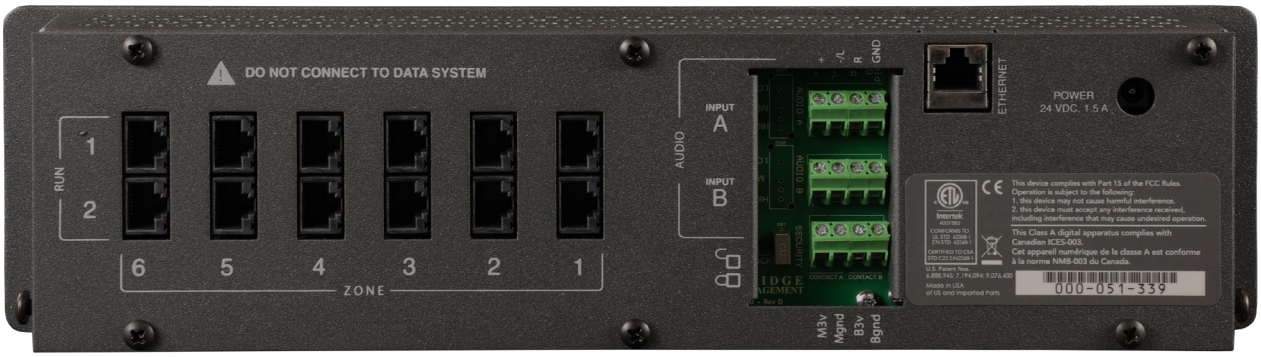
Ambient Operating Temperature Range:	40 - 90° F (4 – 32° C)
Humidity:	0-95% relative humidity (non-condensing)
Altitude:	0-6,600 ft (0-2000m) MSL

Compliance:

FCC Part 15B (USA)
ETL Listed (USA and Canada)
CE Marked (Europe)
RoHS Directive (Europe)
Green Spec Listed

[1] Specifications based on use of Qt Emitters / Qt Active Emitter array and based on published layout practices

Qt 600 BACK PANEL



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