

Qt® 100**SOUND MASKING CONTROL MODULE**

The Qt® 100 control module is a sound masking generator, controller and amplifier, with one auxiliary audio input to allow for distribution of audio from a paging controller or (background) music player. The Qt 100 control module is a compact one-zone controller suitable for installations of up to 12,000 square feet (1,115 m²). The masking level can be adjusted from the unit's front panel. Auxiliary audio level is set via the front panel.

FEATURES

- 1 zone, up to 120 emitters
- 1 audio input for paging or music
- Contact closure integrates with fire alarm systems
- Front panel control with LCD
- Surface mount only
- 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 provide one zones and shall be sufficient to generate sound masking, audio control and audio power for up to 12,000 square feet (1,115 m²) of coverage. Each audio output shall provide four uncorrelated channels of masking noise to minimize phase interference and hotspots. The complete system shall consume less than 7 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® 100.

Qt 100 SPECIFICATIONS

Frequency Response¹		Output Connections:	
Sound Masking:	200Hz to 6.3kHz		2 RJ-45
Music/Paging:	200Hz to 10kHz	Minimum Output Impedance:	2Ω (per channel)
SPL¹		Power Supply	
Minimum Masking SPL (@ 1m):	30dBA	Operating Voltage:	100-240VAC 50/60Hz
Maximum Masking SPL (@ 1m):	60dBA	Current Draw:	0.6A
Maximum Music/Paging SPL (@ 1m):	62dBA	Output:	24VDC @ 1A
Masking		Max. Power Consumption (24VDC):	7W
Number of Non-Correlated Masking Sources:	4	Input Connector:	Captive Screw Terminal & Coax Power Plug (center pin positive)
Number of Masking Zones:	1 (2 cable runs per zone)	Included Accessories:	
Masking Level Adjustment:	0.5dB steps	ACT Hole Saw	
Max Emitter/Device Capacity:	60 Qt Emitters or Room Controls per cable run	Overall Dimensions	
Max Emitter Cabling Distance:	1000 feet (300m) per cable run	Height:	3.5 inches (89mm)
Audio Inputs		Width:	7 inches (179mm)
Input Connector Type:	Captive Screw Terminal	Depth:	0.875 inches (23mm)
Number of Inputs:	1 (Stereo or Mono)	Weight:	6 oz. (170g)
Input Level:	+4dBu (2VRMS max)	Environmental:	
Input Level Adjustment:	1dB steps	Ambient Operating Temperature Range:	40 - 90° F (4 - 32° C)
Input Impedance:	5kΩ	Humidity:	0-95% relative humidity (non-condensing)
Remote Control		Altitude:	0-6,600 ft (0-2000m) MSL
Connector Type:	Captive Screw Terminal	Compliance:	
Input Type:	Contact Closure (Normally Open)	FCC Part 15B (USA)	
Number of Inputs:	1	ETL Listed (USA and Canada)	
Output Type:	Logic Status (5VDC)	CE Marked (Europe)	
Number of Outputs:	1	RoHS Directive (Europe)	
		Green Spec Listed	

¹ Specifications based on use of Qt Emitter array and based on published layout practices

OPTIONAL ACCESSORIES

DESCRIPTION	SKU
Hole Saw ACT	HS-ACT
Hole Saw Drywall	HS-DW
10 ft Plenum-Rated Cable	CC-10- (B=Black / W = White)
25 ft Plenum-Rated Cable	CC-25- (B=Black / W = White)
50 ft Plenum-Rated Cable	CC-50- (B=Black / W = White)
75 ft Plenum-Rated Cable	CC-75- (B=Black / W = White)
100 ft Plenum-Rated Cable	CC-100- (B=Black / W = White)
Room Control (White)	Qt-RC3
Power Supply	PS-4
4-Pack of Qt Emitters, 16 ft cables	E-A-W-16-4 (E-A-B-16-4 for Black)
4-Pack of Qt Emitters, 30 ft cables	E-A-W-30-4 (E-A-B-30-4 for Black)

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