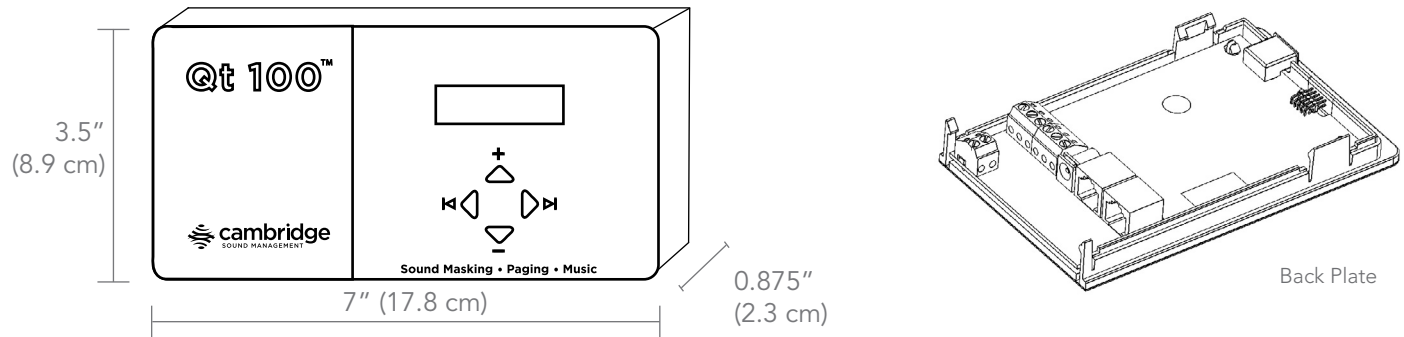


Qt 100™



APPLICATION

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.

HOW TO SPECIFY

Module	Mounting Options
Qt 100	WM (Wall Mount)

HRC*	Color	Cable Lengths May be specified
HRC	W (White)	50ft (15.2 m)
	B (Black)	100ft (30.5 m)
		C [Length] (made to order)

*HRC = Home Run Cable: the cable from the control module to the first emitter of a run; longer than on the 16' (4.9 m) emitter to emitter cable.

Examples:

Qt 100-WM A Qt 100 control module with wall mount bracket
 HRC-W-100 A 100 ft (30.5 m) white CAT-3 cable with dual RJ-45 terminations
 HRC-B-C62 A 62 ft (18.9 m) black CAT-3 cable with dual RJ-45 terminations, made to order



WALL MOUNT INSTALLATION

Wall mount bracket comes standard with the control module. The bracket is attached to the wall using the supplied screws and wall anchors. The module "snaps" into the bracket for easy installation.

Please see the *Qt 100 Installation and Operations Guide* for more detailed installation instructions.



TECHNICAL SPECIFICATIONS

Dimensions: W x H x D	7" x 3.5" x 0.875" (17.8 cm x 8.9 cm x 2.3 cm)
Weight	6 oz. (170 g)
Operating Temperature Range	40°F - 90°F (4°C - 32°C)
Power Requirements	100 - 240 VAC, 7 watts (barrel connector or stripped & tinned wire)
Zones	1
Emitter Run Connector Type	RJ-45 (Bent 3-tyne)
Aux. Audio Inputs	1 fixed terminal blocks
Aux. Audio Input Level	-10 dBV Nominal, 2 Vrms max
Emitter Capacity	60 per run, 120 total
Max. Coverage Area (10' Ceiling)	12,000 ft ² (1,115 m ²)
Masking Spectrum	Preset at factory to CSM standard spectrum.
Masking Channels	4 per zone
Module control	Front Panel
Security	Software-based front-panel lock; fixed terminal block contact closure

STANDARDS AND CERTIFICATIONS

ASTM E1130-08	✓
GreenSpec Listed	✓
FCC Part 15 Compliant	✓
RoHS Compliant	✓
CE	✓
Safety	- Conforms to: - US STD 60065 - CAN/CSA STD C22 2 60065 - ETL Listed

CABLE SPECIFICATIONS

Cables are plenum-rated; solid conductor 24AWG CAT-3, pre terminated with bent 3-tyne (prong) contacts straddling each conductor in RJ-45 connectors. Cables are straight through and terminated in T568B wiring scheme. Cables are tested for continuity.

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 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 incoherent 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.

