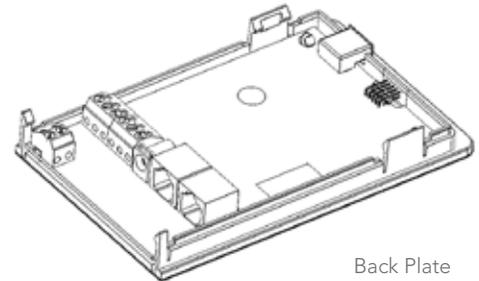
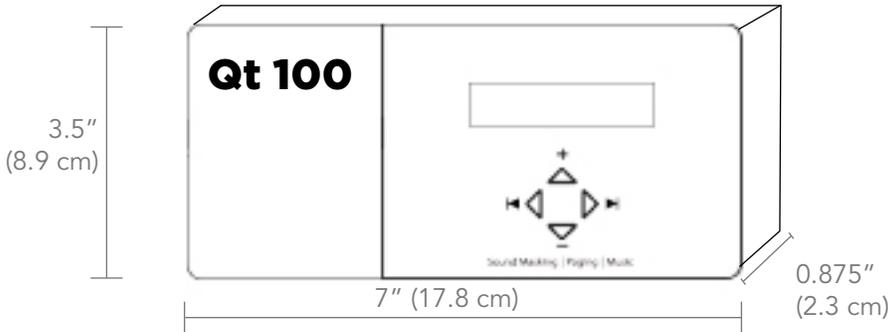




Qt 100™



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 or using a Bluetooth connected iOS device using the CSM configuration app. Auxiliary audio level is set via the front panel.

HOW TO SPECIFY

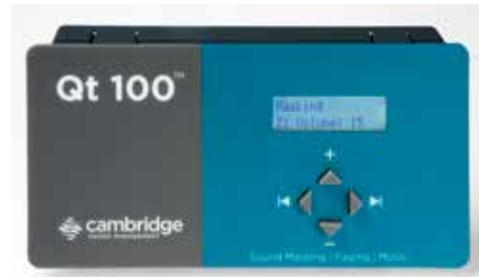
| Module | Mounting Options |
|--------|------------------|
| Qt 100 | WM (Wall Mount) |

| 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 / iOS app (via Bluetooth) |
| 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.

