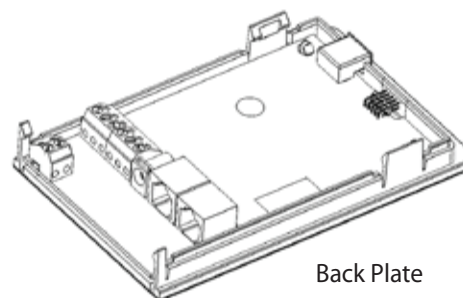
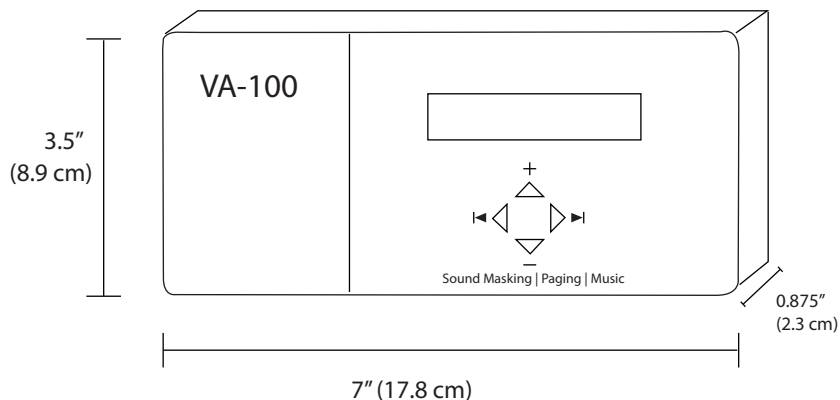


VA-100™



APPLICATION

The VA-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 VA-100 control module is a compact one-zone controller suitable for installations of up to 12,000 ft² (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
VA-100	WM (Wall Mount)

HRC*	Color	Cable Lengths May be Specified
HRC	G (Green)	50 ft. (15.2m)
	B (Black)	100 ft. (30.5 m)
		Custom (make 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.



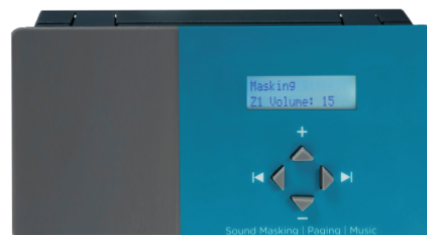
WALL MOUNT INSTALLATION

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 *VA-100 Installation and Operations Guide* for more detailed installation instructions.

TECHNICAL SPECIFICATIONS

STANDARDS AND CERTIFICATIONS

Dimensions: W x H x D	7" x 3.5" x 0.875" (17.8 cm x 8.9 cm x 2.3 cm)	ASTM E1130-08	✓
Weight	6 oz. (179 g)	BoHS Compliant	✓
Operating Temperature Range	40°F - 90°F (4°C-32°C)	FCC Part 15 Compliant	✓
Power Requirements	100-240 VAC, 7 watts (barrel connector or stripped & tinned wire)	CE	✓
Zones	1	GreenSpecListed	✓
Emitter Run Connector Type	RJ-45 (Bent 3-tyne)	Safety	Conforms to: - US STD 60065 - CAN/CSA STD - C22 2 60065 - ETL Listed
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 ft² (1,114 m²)		
Masking Spectrum	Preset at factory to VoiceArrest standard spectrum		
Masking Channels	4 per zone		
Module Control	Front Panel		
Security	Software-based front panel lock; fixed terminal block contact closure		



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 zone and shall be sufficient to generate sound masking, audio control and audio power for up to 12,000 ft² (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.