

## VoiceArrest Speech Privacy System

### Quick Start Instructions

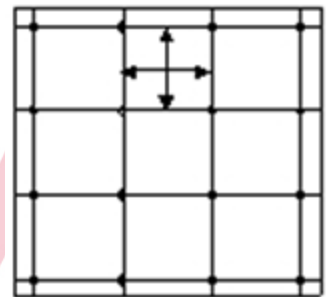
The VoiceArrest Speech Privacy System is a scalable, four-channel, "direct field," low-voltage electronic speech privacy/sound masking system, primarily installed in a dropped ceiling.

**Components Supplied: Control module:**

1	Control Unit
1	UL rated modular power supply for control unit
1	Hole saw for drilling hole in ceiling
2 ea.	Screws and plastic anchors for wall mounting control unit
1	Infra-red remote control



4 per kit	Acoustic emitters for mounting in suspended ceiling
Ordered	16 foot patch cables terminated with RJ45 connectors



**Emitter/Control Module Layout and Installation.**

*Open office layout:* It will be helpful to plan the layout on a drawing or sketch of the ceiling, showing potential interfering elements such as light fixtures, air conditioning diffusers, sprinkler heads, etc.

**Table 1. Grid size Vs Ceiling Height**

Ceiling Height (ft)	Emitter Spacing, D
8	8
8.5	10
9	10
10	10
12	12
Other Height, H	H

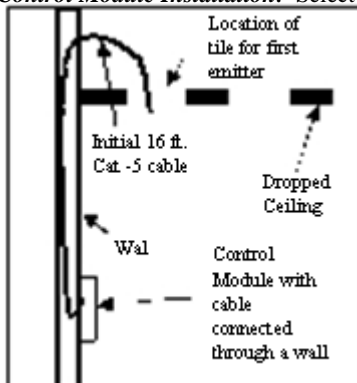
Emitter spacing should be installed on a square grid (see sketch right). Grid dimensions should be according to Table 1. Any individual emitter can be moved up to 2' from this plan if its location corresponds to an interfering element.

Plan the first row of emitters to be no less than 1 and no more than 5 feet from any adjacent wall.

*Enclosed office layout:* For enclosed offices up to 120 square feet in area, install two emitters per office within 1-1/2 to 2-1/2' of diagonal corners. For larger offices, install one additional emitter for each additional 75 sq. ft.

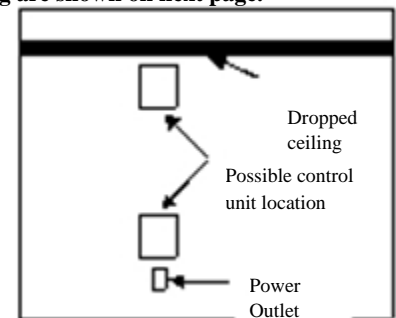
**Details of how to install the emitters in a dropped ceiling are shown on next page.**

**Control Module Installation:** Select a location for the control unit within 16 feet of the first emitter location (see sketch to left).



Mount the control module on the wall near a convenient AC power outlet. The sketch (right) of a typical wall elevation shows possible control module locations. Route an initial 16-foot cable from the ceiling location where the 1<sup>st</sup> emitter is to be installed to the location where the control unit will be permanently installed.

The cable can be dressed where it will be visible using a plastic, self-sticking wire channel such as those manufactured by Wiremold ([www.wiremold.com](http://www.wiremold.com)), or by pulling the cable down in the wall cavity to a hole drilled in the wall. This hole can be covered by the control module.





# Installation Instructions

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## Step 1: Verify That You Have Everything You Need

- 1 hole saw
- Mounting screws and anchors
- 1 remote control
- 1 Control Module
- 1 AC (power) adapter
- Control Module (verify VA-30 vs. VA-300)
- Installation Instructions



In addition, our installers use the following fish stick to fish the Cat-3 line through the plenum, and have had good experiences with its durability.



**GREENLEE 540-12**  
**GREENLEE 12' Fish Stix Kit with Bullet Nose**  
**and J Hook Threaded Tips** PART #: 540-12 WEIGHT: 2 LBS

It's helpful to attach a standard RJ-45 coupler to the end of the fish stick as shown.

TIP: Mark the side of the coupler indicating which side the RJ-45 tab goes on (red in this picture).



## Step 2: Attach Trunk Lines

- a. Locate RJ-45 Output Jacks on reverse side of Control Module.



- b. Plug in Cat-3 Cables (will connect to first emitter)



## Step 3: Attach Optional Music Module (if necessary)

- a. Loosen input screws as shown



- b. Attach Music Module wiring



- c. Plug in Music Input Source



#### Step 4: Attach AC (power) Adapter

**TIP: Use a cable tie for strain relief.**



#### Step 5: Mount Control Module

- a. Mark holes to be drilled for mounting anchors and screws



- b. Hang Control Module and plug in A/C Adapter



### Step 6: Installing the Emitters

**TIP:** Whether you're using a one-man installation crew or a multi-person installation crew, we've found that it saves considerable time to pull and pre-drill all the tiles you'll need and then install the emitters in them, staging them underneath their appropriate spot.

- a. Drilling Tiles

Using a pre-measured template, drill the hole using the included hole saw (image shows 2x2 tile, with emitter placed in the center of the tile).



- b. Place the Emitter in the hole, speaker side down, as shown

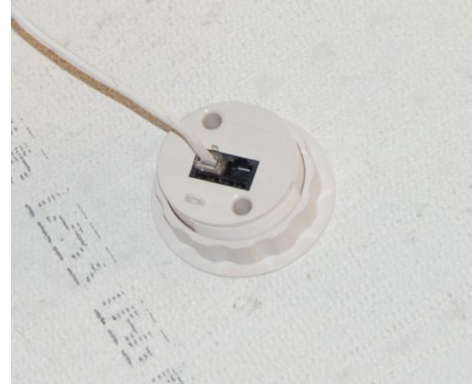


- c. Slide the collar onto the emitter until it is tight against the tile and then tighten it ¼ turn



### Step 7: Installing the VoiceArrest Emitter runs

- a. The VoiceArrest system relies on a simple daisy-chain configuration. Simply take the cable running from the control module and plug it into the input jack, as noted on the top of the emitter. You should hear sound when you plug in the input cable from the control module. Then simply plug in the outbound cable and run it to the next emitter placement, repeating the process.



**TIP:** You'll also notice that the seismic tab makes a good visual cue, as it is on the same side of the emitter as the input jack.



### Final Check

Walk entire install area to verify that every emitter is running. Leave the volume set on 3 unless you have been otherwise directed, and make sure all necessary cleanup has been done.