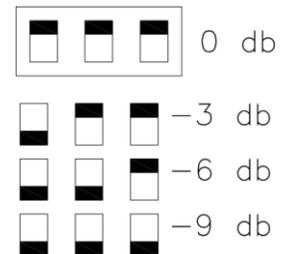


## Cambridge Sound Management Wiring Diagram and Installation Notes

### GENERAL NOTES:

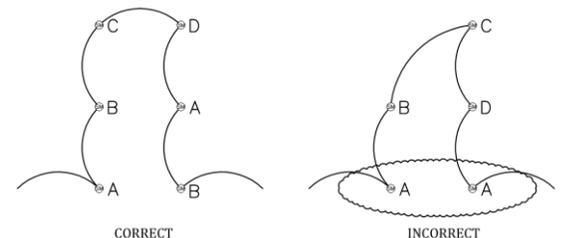
1. The information contained in your wiring diagram is the recommended wiring plan as designed by Cambridge Sound Management (CSM) Engineers.
2. The wiring diagram is based directly on the sound masking emitter layout provided during the opportunity/quoting process prior to your purchase.
3. CSM encourages that the wiring diagram is followed as closely as possible to result in the most optimal sound masking installation and resulting production experience.
4. Any deviation from this wiring diagram is at the discretion of the installer and may result in less than ideal sound masking conditions.
5. CSM's adjustable emitters have DIP switches on the back to provide -3, -6, or -9 dB granularity within runs (see insert to right for details). These should only be utilized if different ceiling heights or materials are located within the same cable run. Please contact CSM if you have any questions or seek recommendation on the use of the adjustable emitter settings.
6. All CSM control modules have auxiliary inputs to connect to audio sources such as paging or background music. Should your installation include auxiliary audio sources, please refer to the appropriate [Installation & Operations Guide](#) prior to installing the CSM QT control module.

### Adjustable Emitter DIP Switch Configuration



### INSTALLATION NOTES

1. Cambridge Sound Management's corporate website includes several Installation & Operations guides, videos and installation checklists to assist you in the planning and completion of the physical installation of the sound masking solution. We recommend that all of our partners complete Cambridge Sound Management's Certification Program to ensure you have the training and knowledge to perform installation activities with the highest quality outcome.
  - [Installation & Operations Guides](#)
  - [Emitter Installation Video](#)
  - [CSM Certification Program](#)
  - [Pre-Installation Checklist](#) & [Installation Materials List](#)
  - [QT System Installation Checklist](#)
2. Emitter grid spacing is determined by ceiling height and should be no less than eight (8) foot centers and no more than twelve (12) foot centers. However, emitters may be moved up to two (2) feet in any direction to avoid conflicts with lights, vents or other ceiling fixtures.
3. Emitters must be between two (2) and six (6) feet from any given wall, soffit or other structure(s) that will block sound.
4. As a best practice, emitters should be centered in ceiling tiles.
5. Each Zone consists of two (2) available runs. Each run of daisy-chains can have up to sixty (60) emitters (or combination of emitters and room controls) OR 1,000 feet of cable, whichever comes first.
6. Custom cables must follow the custom cabling guidelines and should be tested for continuity. When utilizing custom cables, use only approved RJ-45 cable connectors/terminators. Please refer to the [CSM Custom Cabling](#) knowledge-base article for additional information.
7. Do not reverse the emitter input and output connections for any reason. If an emitter does not produce sound masking when an input is connected, check the four previous cables and emitters for reversal of input/output as the likely cause.
8. All CSM sound masking solutions utilize four masking channels (A, B, C, D). Avoid having emitters of the same channel next to another to avoid channel interference. Catty-corner is acceptable. CSM emitters have self-configuring channel assignment based on their position in the daisy chain. See diagram to the right.



### CONTACT US

- Need additional assistance planning for or during an installation? Contact Cambridge Technical Support: 800-219-8199 or e-mail [techsupport@CSMqt.com](mailto:techsupport@CSMqt.com)