

Wiring and installation requirements for IP Classroom Speakers with Call Button Kit.

Scope of this project is to install an IP Speaker with a connected “Call Button” which will allow the speaker to make a call to a predefined phone number for assistance. The district has chosen the Advance Network Devices IP Speaker (model# IPSWD-RWB with IPS-SM1 surface mount) along with Call button kit (part# AND-BTN-KIT-1). IP speakers are being installed as a standard in classrooms and other large public gathering spaces, a building maps with general install locations are provided in the addendum for each site.

District will provide the contractor with the following (manufacturer specification provided in addendum):

- IP speaker
- Speaker mounting kit and
- Call Button with faceplate

Contractor to

- Install two CAT6A cables PINK in color at the location of the speaker from the nearest IDF. Both cables shall be terminated in a duplex CAT6A jack and tested as well.
- Two Patch cords shall be CAT6A, PINK in color, speaker end should have a 3feet patch cord, IDF end have the appropriate length to be properly routed in rack, and able to plugged into the network switch. Speaker shall be installed 12” below the ceiling.
- Install a 20AWG wire from the speaker to the location of the button, this 20 AWG wire must be securely routed to the speaker through conduit or Panduit securely mounted to the walls with screws (use of double-sided tape is not acceptable). The wire shall be connected to the speaker as well as the button as directed in the manufacturer installation directions
- All Button must be installed at ADA height (between 36” and 48” off the floor).
- Contractor to provide wall box for the button.
- All cable terminations in the TR’s (BDF’s) must be grouped together on existing patch panels or additional patch panels must be provided where there is no room in the existing patch panels.
- Speaker and button must be mounted, patched and tested by vendor in order to be accepted, district will check for DOA speakers before providing it to the contractor.
- Exact location of speaker and button will be coordinated with the campus in every instance.

All CAT-6A data cable installed must meet warranty and installation specification noted in “CCCD Infrastructure Standards 2.4” document attached.

Speaker and button must be mounted, patched and tested by vendor in order for the project to be considered completed.