

Quick Reference Installation Guide

NEXEO | HDX™ SP7000 OUTSIDE SPEAKER/IB

The SP7000 is a speaker used to connect the loop and microphone to a NEXEO® Base Station. It is designed for use in Quick Service Restaurant (QSR) menu boards, speaker posts, and enclosures.

Tools/Equipment Required

- General hand tools: screwdrivers, cutters, pliers, etc.
- Cable/wire terminating tools and wire strippers.
- Audio Cable (not included).
- Acoustic Foam (not included) and knife to cut foam.

NOTE: The SP7000 must be mounted vertically inside the speaker post/enclosure (arrows on the rear indicate upright position, see Fig. 2). The power LED illuminates green when it is connected to a powered on base station. The connect LED illuminates green when there is data communication. For optimal performance and maximum volume, the maximum cable length should not exceed 500 ft (152 m).

These instructions are for a typical installation.

NOTE: The cable shield/drain must be terminated on all connections.

1. Strip approximately 1 inch (25.4 mm) of insulation from the end of the audio cable and ¼ inch (6.35 mm) of insulation from each of the cable wires (do not tin the wires). Connect the cable wires to the connector plug.
2. Position the speaker inside the speaker post or menu board, with the gasket centered against the inside of the speaker grill; see Fig. 3. Align the opening in the gasket with the grill opening.
3. Remove both inserts from the molded foam enclosure and place the foam enclosure around the speaker. Trim foam with a serrated knife if necessary. Place removed foam inserts behind speaker to provide pressure to speaker, to ensure a good gasket seal against the speaker grill opening.
4. The 2-pin LOOP connector connects to the ground loop detector. See Fig. 4.
5. The 3-pin BASE connector connects to J4500 on the base station PCBA. See Fig. 4 and Table 2.
6. The 7-pin MIC connector connects to the DM5 microphone. See Fig. 4 and Table 1.



Fig. 1

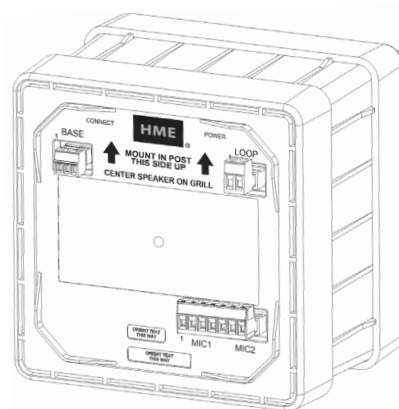


Fig. 2

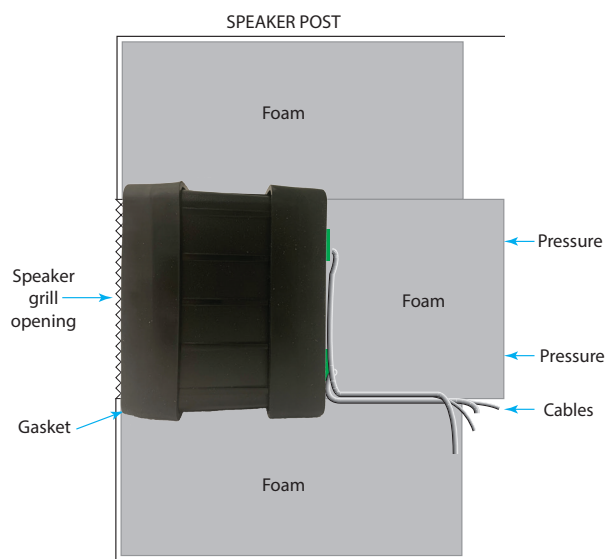


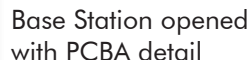
Fig. 3

Shield Pin 3: GND

NOTE: MIC1 MIC2 pins 4-7 not currently used.

Pin 6: GND/Shield

NOTE: If connecting a second SP7000, the audio cable will terminate to J4500 pins 4, 5 & 6.



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