

Quick Reference Installation Guide

NEXEO | HDX™ SM7000 OUTSIDE SPEAKER/MIC

The SM7000 is a speaker/microphone combination (Fig.1). It is designed for use in Quick Service Restaurant (QSR) menu boards, speaker posts, and enclosures. Also see the NEXEO | HDX Installation Guide for more details.

Tools/Equipment Required

- General hand tools: screwdrivers, cutters, pliers, wire strippers, etc.
- Serrated knife
- Audio Cable (not included)
- Acoustic Foam (not included)

These instructions are for a typical installation.

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, but do not tin the wires. Connect the audio cable wires to the connector plug. **Note:** The Shield must also be terminated.
2. Insert the connector plug into the three-pin PLC/BASE speaker connector (see Fig. 2).
3. In like manner, terminate the ground loop wires to the two-pin Loop connector.
4. 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. **Notes:** If more than one location is available, choose the one closest to the driver's window level. The SM7000 should be pushed flush against the post to prevent audio issues. If the speaker post opening is small, position the speaker (lower section of the SM7000) closest to it.
5. 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.
6. Connect the other end of the audio cable to the J4500 on the base station. See Fig. 4 and Table 1.

Note: The five-pin RELAY | BCKP SPKR connector is optional and is used to connect to an intercom system like the IC300 if a backup is needed.



Fig. 1

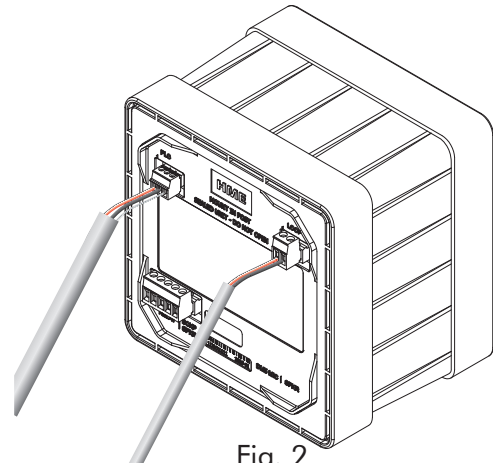


Fig. 2

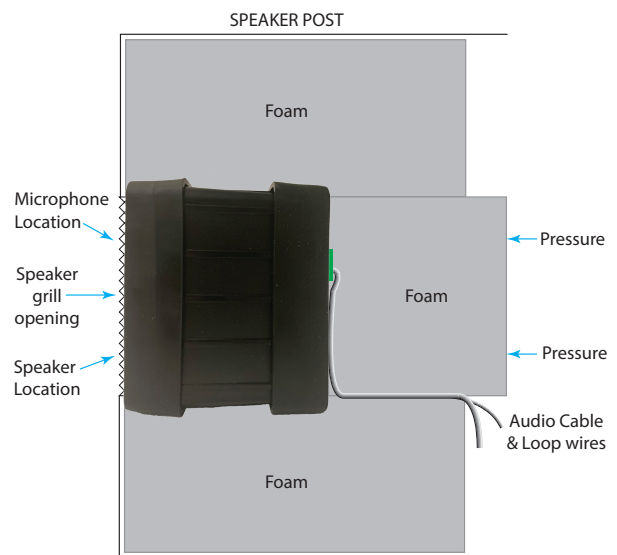


Fig. 3

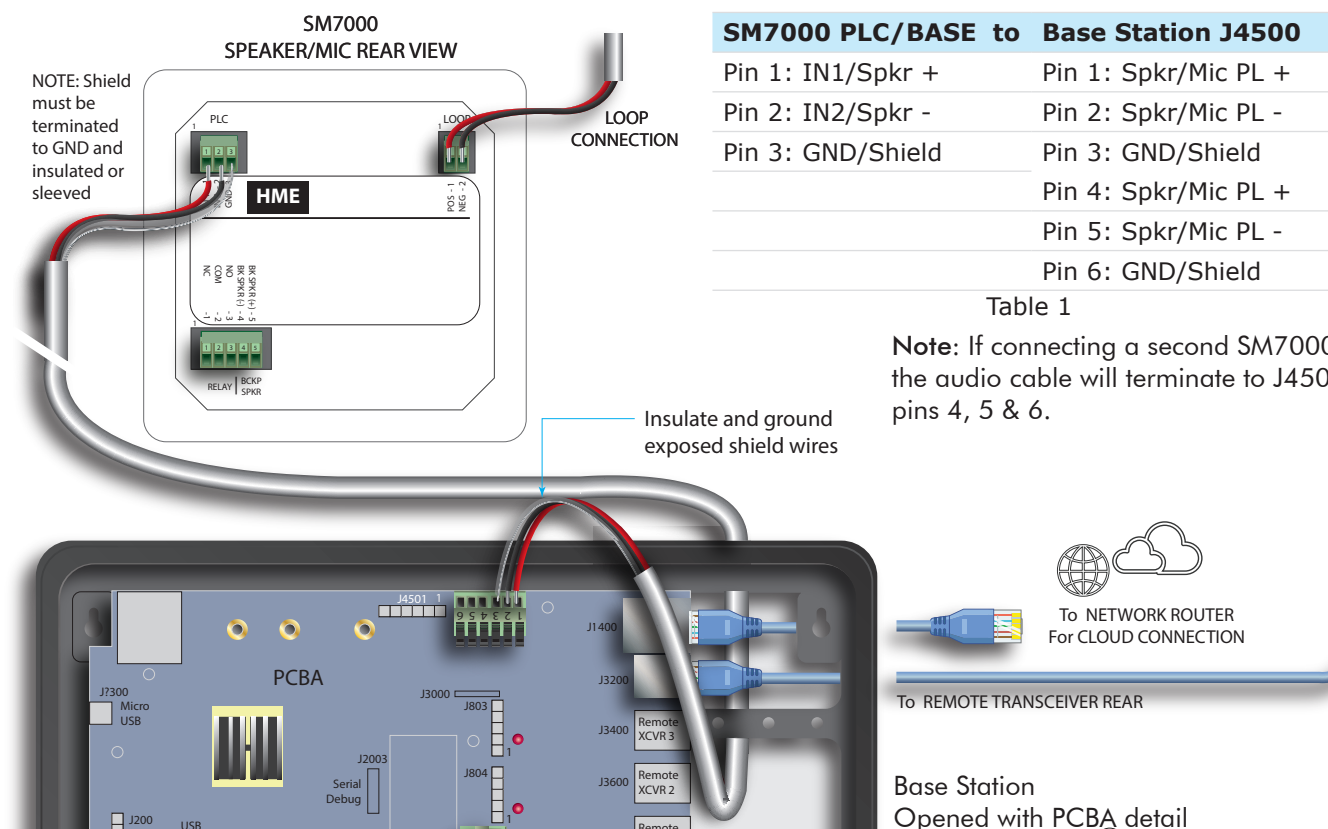
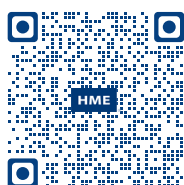


Fig. 4

SM7000 Technical Specifications

Dimensions	5.68" H x 5.68" W x 4.55" D (144.27 x 144.27 x 115.57 mm)
Weight	2.1 lb (952.5 g)
Power Supply	Voltage: 48 VDC (powered from BS7000) Current: 0.339 A (max start up)
Frequency Range	Audio: 100 Hz to 7.4 kHz Powerline network over 48 VDC: 2 MHz – 67.5 MHz
Power	Nominal power with no audio: 5.2 W Maximum power at maximum volume: 22 W
Front Panel	Speaker type: 3", 8 ohm, wideband type. Microphone type: Wide dynamic range digital
Rear Panel	Phoenix connector type headers
Wireless	N/A
Temperature	Operating Temperature range: -25°C (-13°F) to +60°C (+140°F)
Compliance	See NEXEO HDX - Regulatory, Compliance, and Safety Guide online



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<https://www.hme.com/qsr/drive-thru-user-manuals/>

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