

Quick Reference Installation Guide

REPLACING EXISTING IB & SPEAKER WITH THE SP7000

The SP7000 is a combined Interface Box and Speaker. This one component replaces two existing components: both the Interface box (IB7000) and the speaker (SS7000 or SP10). Please note:

- Use the existing wires, cables, and connectors.
- Only the SP7000 needs to be terminated with the cables you are disconnecting from the IB7000.



Fig. 1

Tools/Equipment Required

- General hand tools: screwdrivers, cutters, pliers, etc.

NOTE: The SP7000 must be mounted vertically inside the speaker post/enclosure (arrows on the rear indicate upright position). The Power LED illuminates green when it is connected to a powered-on base station. The Connect LED illuminates green when data communication is active.

These instructions are for a typical replacement installation.

1. Remove the weather cover from the existing IB7000 by unclipping the two bottom tabs (Fig. 2).

2. Disconnect the two-wire LOOP connector at the IB7000. Reroute and reconnect it to the same header on the SP7000 (the headers are in the same location on both devices (upper right)).

3. Disconnect the three-wire BASE connector on the IB7000. Reroute and reconnect it to the same header on the SP7000 (the headers are in the same location on both devices (upper left)).

4. First, remove the four SS7000 wires (or two SP10 wires) from the 7-pin DM5 MIC | SPKR connector, but leave the three DM5 wires connected. Disconnect the connector, reroute, and reconnect it to the same header on the SP7000 (the headers are in the same location on both devices, lower right).

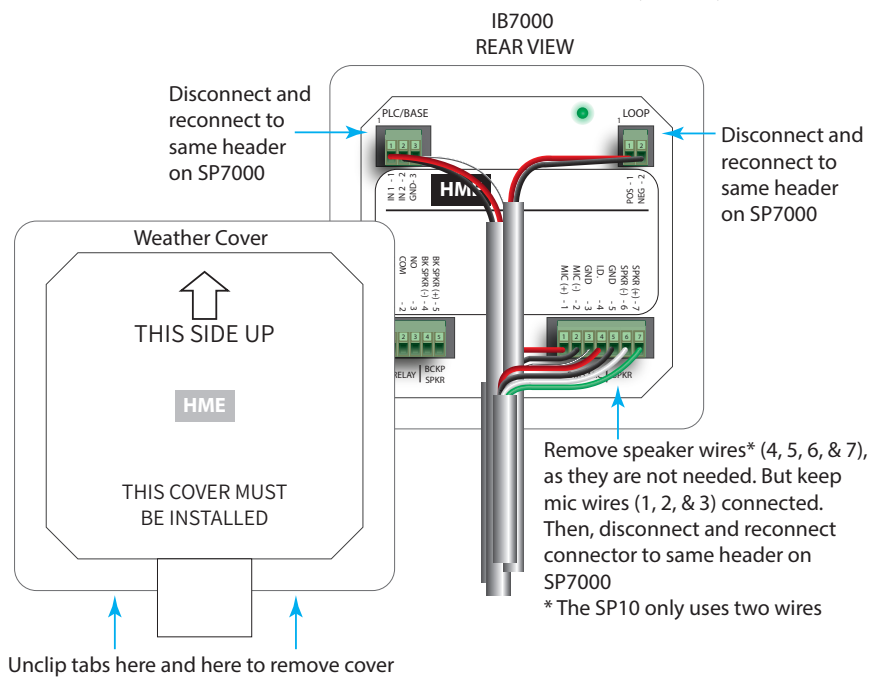


Fig. 2

5. When the connections are made and the SP7000 is positioned, repack it with foam to secure (Fig. 3).

NOTE: Remove the SS7000 or SP10 speaker. The disconnected speaker and wires do not need to be reconnected since the SP7000 has a speaker built into it. Cap or cut the unused wires so they don't short. Remove the IB7000 (pry off if mounted to the post wall with adhesive strips).

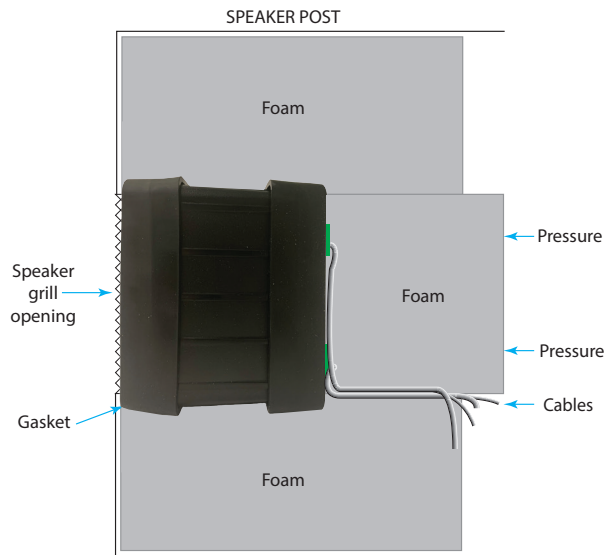


Fig. 3

SP7000 BASE to Base Station J4500

Pin 1: PL+ (Red wire)	Pin 1: Spkr/Mic PL +
Pin 2: PL - (Black wire)	Pin 2: Spkr/Mic PL -
Pin 3: GND (Shield)	Pin 3: GND/Shield
	Pin 4: Spkr/Mic PL +
	Pin 5: Spkr/Mic PL -
	Pin 6: GND/Shield

Table 1

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

SP7000 LOOP to Loop Detector

Pin 1: POS - 1	+ (red wire)
Pin 2: NEG - 2	- (black wire)

Table 2

SP7000 MC1 to DM5 Microphone

Pin 1: Mic 1+	Microphone + (red wire)
Pin 2: Mic 1-	Microphone - (black wire)
Pin 3: GND	Shield

Table 3

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

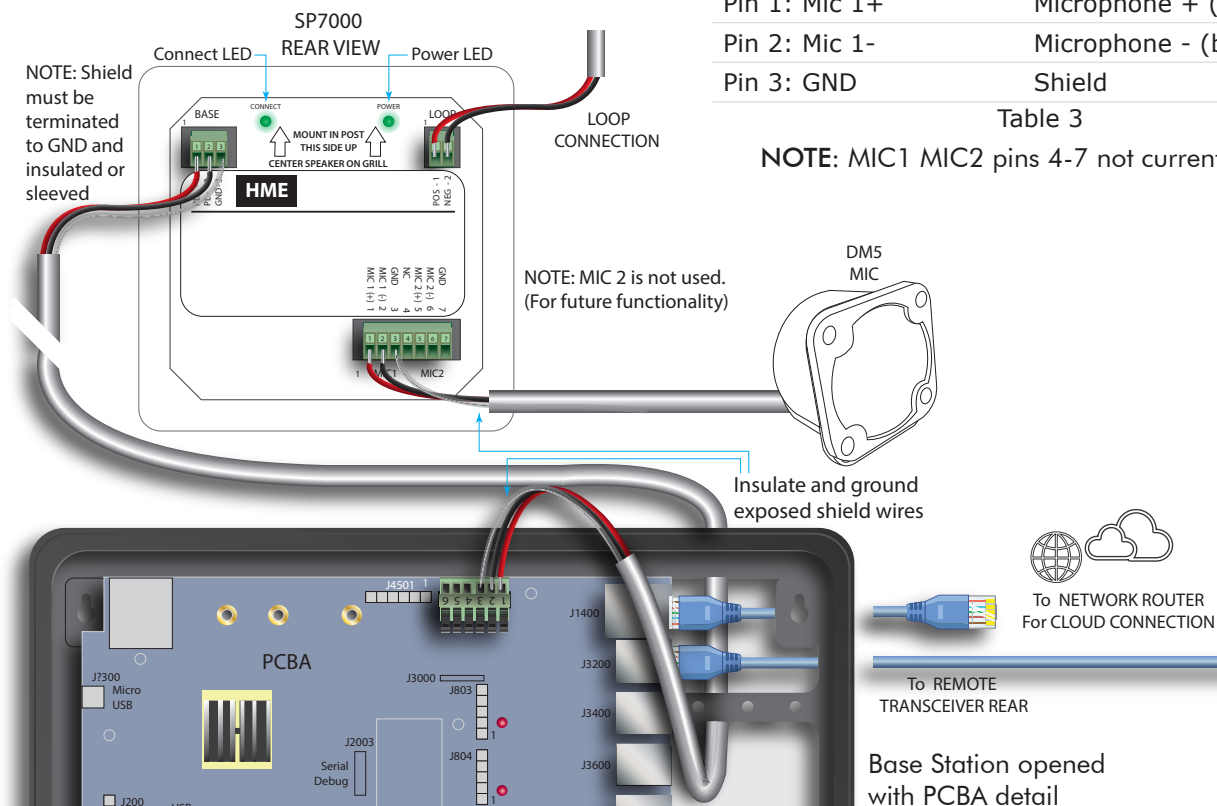
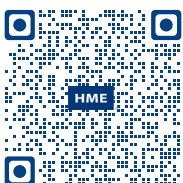


Fig. 4



A copy of this guide and more can be found by scanning this QR code or going to: <https://www.hme.com/qs/drive-thru-user-manuals/>

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