

## Quick Reference Installation Guide

### DM5 MICROPHONE

These instructions are for mounting the DM5 Microphone in a speaker post or menu board. The installation will take approximately 20 minutes.

#### Tools/Equipment Required

- General tools: screwdrivers, cutters, pliers, wire strippers, etc.
- Soldering iron and solder
- Crimp caps or shrink tubing with heat gun
- Serrated knife
- Audio Cable and Acoustic Foam (both not included)



Figure 1.  
DM5 Microphone

#### INSTALLATION PROCEDURE

**CAUTION: Remove power from the audio system before beginning.**

Typical DM5 Microphone installation involves placement of the microphone in its molded foam enclosure and mounting it inside the upper compartment of the speaker post, connecting it to the microphone/speaker cable wires from the drive-thru audio system, and filling the empty space behind the unit with acoustic foam (not provided). If the DM5 is mounted in a small area, its molded foam enclosure may need to be compressed in order to close the compartment. Follow these instructions to install the DM5 in a typical speaker post. Installation in the microphone compartment of a menu board is similar to installation in a speaker post.

- Open the speaker post and remove any existing equipment, foam or debris. If there is an existing microphone, disconnect it from the audio system's microphone cable and remove it.
- Remove the small portion of the provided foam microphone enclosure, resulting in the two pieces of foam shown in Figure 2.
- Insert the DM5 Microphone cable through the hole in the foam enclosure, and place the microphone into the hole as shown in Figure 2.
- Insert the removed piece of foam back into the hole in the foam enclosure, as shown in Figure 2, to fit snugly against the back of the microphone.
- Using a serrated knife, trim the foam enclosure, so it is  $\frac{1}{4}$  to  $\frac{1}{2}$  inch larger than the upper speaker post compartment, vertically and horizontally, for a compressed fit. Retain the foam pieces to add to acoustic foam to fill the speaker post compartment, if needed.
- Place the foam windscreen in front of the microphone, positioning it so it will cover the inside of the speaker grill, as shown in Figure 3.
- Place the microphone, in its foam enclosure, into the upper compartment of the speaker post, so the front of the foam windscreen is flush against the metal, centered on the grill, as shown in Figure 3.
- Splice the audio system's microphone cable wires (new or existing) to the wires of the cable extending from the back of the DM5, according to the audio system wiring diagram. Solder the connection, and then cover the splice with shrink tubing or crimp caps.

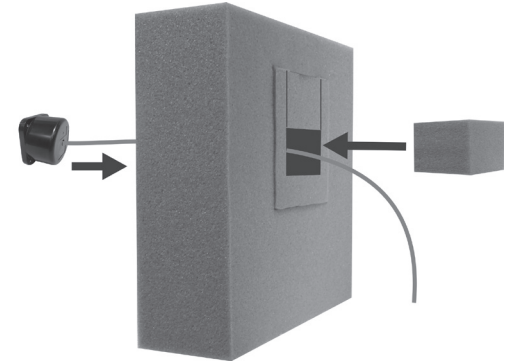


Figure 2.  
Placement of DM5 Microphone and  
foam in the foam enclosure

- Fill the empty space behind the DM5 Microphone and its foam enclosure with acoustic foam (not provided), and close the speaker post.
- If the DM5 is replacing another microphone, the microphone cable may need to be rewired in the audio system base station. Wiring connections for the DM5 with HME audio systems are as follows.

HME System 6200 EOS   HD®
<b>Connections with Switcher Board</b>
For single lane or lane 1 of dual lanes: to left Switcher Board J1 – 1, 2, and 3 (shield)
For lane 2 of dual lanes: to right Switcher Board J1 – 1, 2 and 3 (shield)
<b>Connections with no Switcher Board</b>
For single lane or lane 1 of dual lanes: to Base Station Audio Board J6 – 1, 2, and 3 (shield)
For lane 2 of dual lanes: to Base Station Audio Board J14 – 1, 2, and 3 (shield)

### In Case of Problems

If there is no inbound audio when a vehicle is present, verify the power is ON at the base station. Verify the DM5 is wired correctly. Perform a continuity test on the microphone cable from inside the store to the DM5. Pull a new cable if needed. All three wires (red, black, and drain) must be connected. If the problem is not solved, call HME at 1-800-848-4468

### NEXEO | HDX™ Installation

When connecting the DM5 to a NEXEO™ system, the DM5 must be used in conjunction with the NEXEO interface box IB7000 (i.e., it does not connect directly to the base station as with other products).

- The two DM5 wires and shield/drain connect to terminals 1, 2, and 3 of the seven-pin DM5 MIC | SPKR connector on the IB7000 (this connector is labeled on the IB7000).
- The three-pin PLC/BASE connector on the IB7000 then connects to J4500 on the base station (this connector is also labeled on the IB7000).
- See the IB7000 installation guide or NEXEO system installation guide for more details.

### Specifications:

Microphone type: Electronic

Dimensions: 2.81" H x 2.81" W x 1.78" D (71.5 mm x 71.5 mm x 45.1 mm)

Impedance: 200Ω

Operating temperature: -22°F to +140°F (-30°C to +60°C)

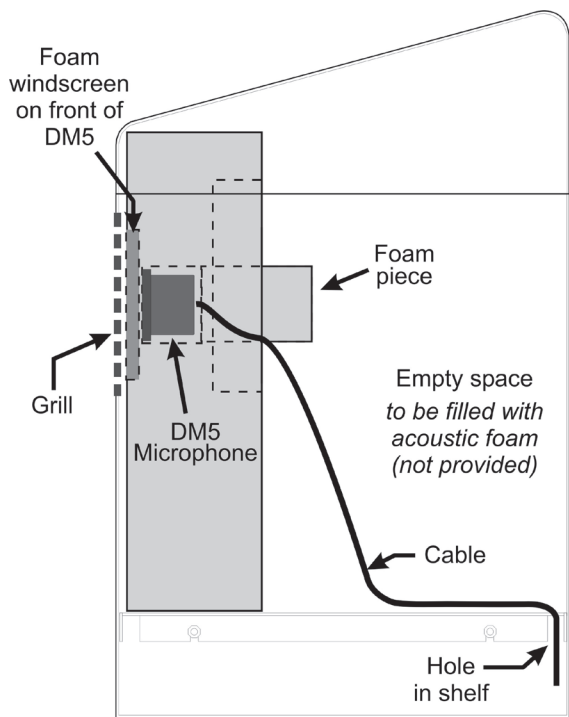


Figure 3.  
DM5 Microphone unit in typical speaker post installation

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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## Compliance Section

**Caution:** All products are compliant with regulatory requirements detailed in this document when the user follows all installation instructions and operating conditions per HME specifications.

**Caution:** Use of accessories and peripherals other than those recommended by HME may void the product's compliance as well as the user's authority to operate the equipment.

**Caution:** Product modifications not expressly approved by the party responsible for compliance can void the user's authority to operate the equipment.

### European Union (CE mark)

The CE marking indicates compliance with the following directives and standards, whenever applicable to the product in question.

#### Directives:

- RoHS Directive 2011/65/EU and 2015/863/EU

#### Standards:

- EN50581

**Warning:** This is a Class A product. In a domestic environment this product may cause radio interference in which case the user may be required to take adequate measures.

### Waste Electrical and Electronic Equipment (WEEE)

The European Union (EU) WEEE Directive (2012/19/EU) places an obligation on producers (manufacturers, distributors and/or retailers) to take-back electronic products at the end of their useful life. The WEEE Directive covers most HME products being sold into the EU as of August 13, 2005. Manufacturers, distributors and retailers are obliged to finance the costs of recovery from municipal collection points, reuse, and recycling of specified percentages per the WEEE requirements.



### Instructions for Disposal of WEEE by Users in the European Union

The symbol shown below is on the product or on its packaging which indicates that this product was put on the market after August 13, 2005 and must not be disposed of with other waste. Instead, it is the user's responsibility to dispose of the user's waste equipment by handing it over to a designated collection point for the recycling of WEEE. The separate collection and recycling of waste equipment at the time of disposal will help to conserve natural resources and ensure that it is recycled in a manner that protects human health and the environment. For more information about where you can drop off your waste equipment for recycling, please contact your local authority, your household waste disposal service or the seller from whom you purchased the product.

### United Kingdom (UKCA Mark)

The UKCA (UK Conformity Assessed) marking is a new UK product marking that will be used for goods being placed on the market in Great Britain (England, Wales and Scotland). The UKCA marking alone cannot be used for goods placed on the Northern Ireland market, which require the CE marking or UK(NI) marking.

