MS10
Wall-Mount Mode Switch

INSTALLATION INSTRUCTIONS

These instructions are for installation of the MS10 Wall-Mount Mode Switch. The MS10 provides the capability to switch from two operators (dedicated) to one operator (non-dedicated) for a dual-lane drive-thru.

The MS10 will usually be mounted on the wall inside the building near the service window.

CAUTION: Protect switch during handling and installation.

1. TOOLS REQUIRED

Phillips (cross point) screwdriver, size #2
Small and medium standard (slotted) screwdrivers
Wire stripper
Wire cutter
Electric drill with $^{13}/_{64}$ inch (5mm) drill bit
Shrink tubing or electrical tape
AR Cable, 5-conductor (minimum), 22 AWG

Figure 1. MS10 Wall-Mount Mode Switch

2. PROCEDURE

Before installing the MS10, consult with the store owner/manager to determine the most suitable location on the wall inside the building, usually near the service window, to mount the unit.

2.1 Installing the MS10

1. Separate the bottom plate from the wall-mount switch case.
2. If the cable will be routed from the base stations, through the wall into the back of the bottom plate of the switch case, drill a ¾ inch (19mm) hole in the wall where the switch will be mounted, and remove the knockout from the center of the bottom plate. See Figure 2.
3. Hold the bottom plate against the wall where it will be mounted, and mark the wall through the two screw holes in the plate. See Figure 2.
   NOTE: If the cable will enter the switch through a hole in the wall, center the bottom plate on the hole in the wall before marking the wall through the two screw holes.
4. Remove the bottom plate from the wall and drill two $^{13}/_{64}$ inch (5mm) holes in the wall at the marked spots.
5. Insert the enclosed screw anchors completely into the holes.
6. Hold the bottom plate against the wall, with its two screw holes over the anchors. Insert the two enclosed screws through the holes in the plate, and screw them into the anchors.

7. Determine whether the cables from the audio system base stations should enter the wall-mount switch from the top, bottom, back or side of the plastic case. Remove the corresponding knockout from the top, bottom, back or side of the case. See Figure 2.
8. With this hole oriented in the correct position, place the upper plastic case over the bottom plate on the wall, and push the upper case onto the bottom plate until the four corner latches snap into place. See Figure 2.

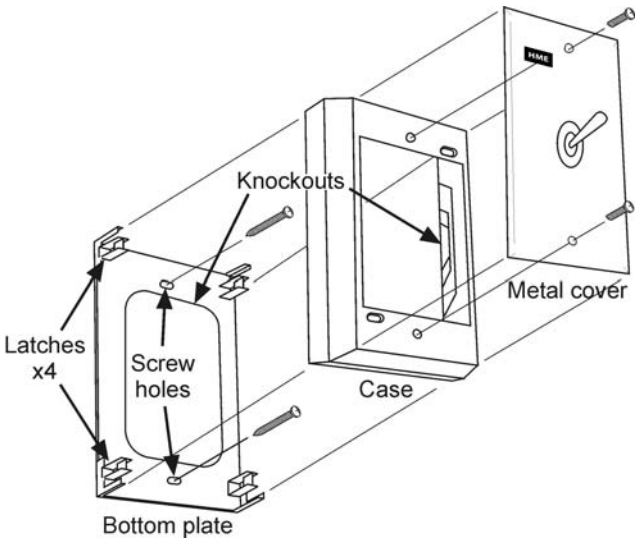

Figure 2. Wall-Mount Box

2.2 Cable Connections

1. Route cables from the MS10 wall switch to the audio system base stations. Cut the cable with enough slack at each end to make the necessary connections.
2. Prepare the ends of the cable by stripping the cable and wires **as required**. See Figure 3 (for ion|IQ only), Figure 4 (for Wireless IQ only), Figure 5 (for System 400, 500 or 900) or Figure 6 (for System 1000).
3. At the MS10, route the cables through the knockout to the inside of the plastic case.
4. If there are more than 5 conductors in the cables, at each end of the cables, clip extra wires close to the outer covering of the cables. Cover the end of the cables outer covering with heat shrink or electrical tape.
5. At the MS10 J1 (located on the circuit board), connect the cable wires to terminals 1 through 5 according to the color codes shown in Figure 3 (for ion|IQ only), Figure 4 (for Wireless IQ only), Figure 5 (for System 400, 500 or 900) or Figure 6 (for System 1000).
6. At the MS10 J2, connect the cable wires to terminals 1 through 5 according to the color codes shown in Figure 3 (for ion|IQ only), Figure 4 (for Wireless IQ only), Figure 5 (for System 400, 500 or 900) or Figure 6 (for System 1000).

STEPS 5 & 6 MUST BE DONE BEFORE CONTINUING.

7. At the MS10, splice the shield wires from each cable together. Cover the splice with heat shrink or electrical tape.
8. Place the metal cover over the plastic case. Align the two screw holes on the metal cover with the two holes in the case, and fasten it in place with the two screws.
9. At each of the audio system base stations, connect each cable wire as shown in Figure 3 (for ion|IQ only), Figure 4 (for Wireless IQ only), Figure 5 (for System 400, 500 or 900) or Figure 6 (for System 1000).
10. Close cover on each base station.

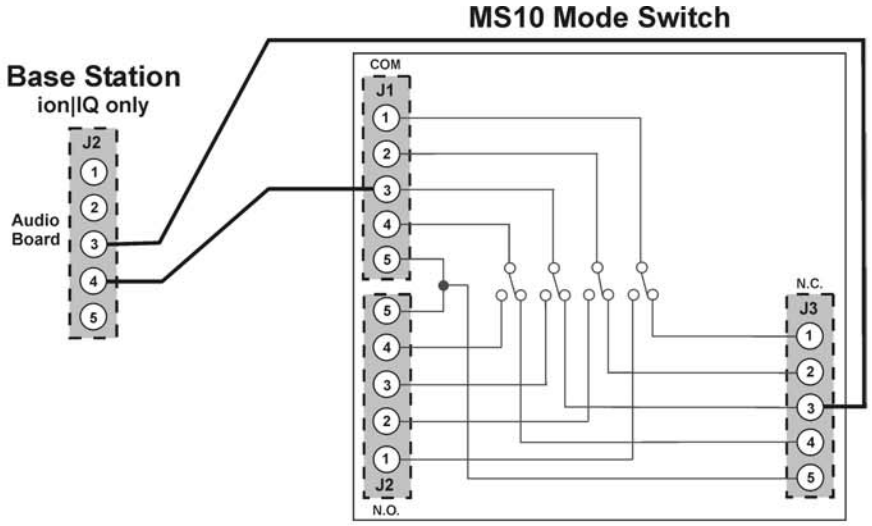

Figure 3. MS10 Connections for the ion|IQ™ System

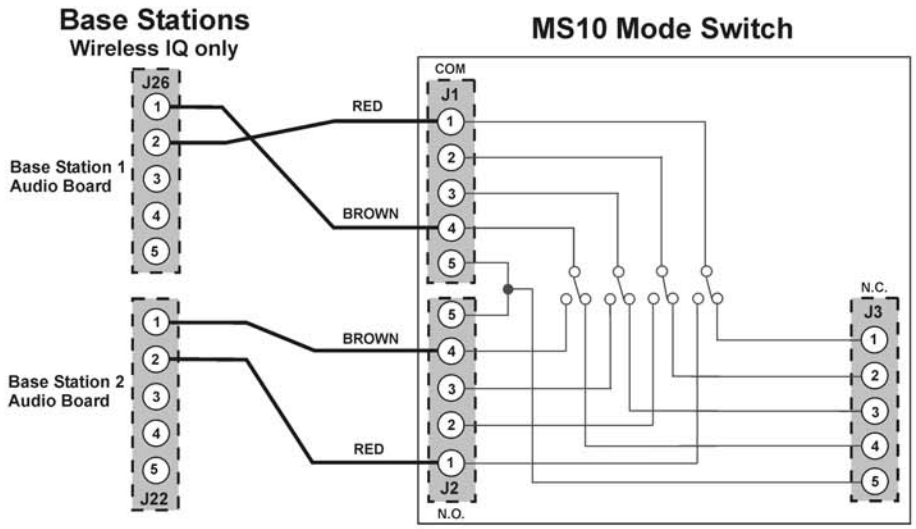

Figure 4. MS10 Connections for the Wireless IQ™ System

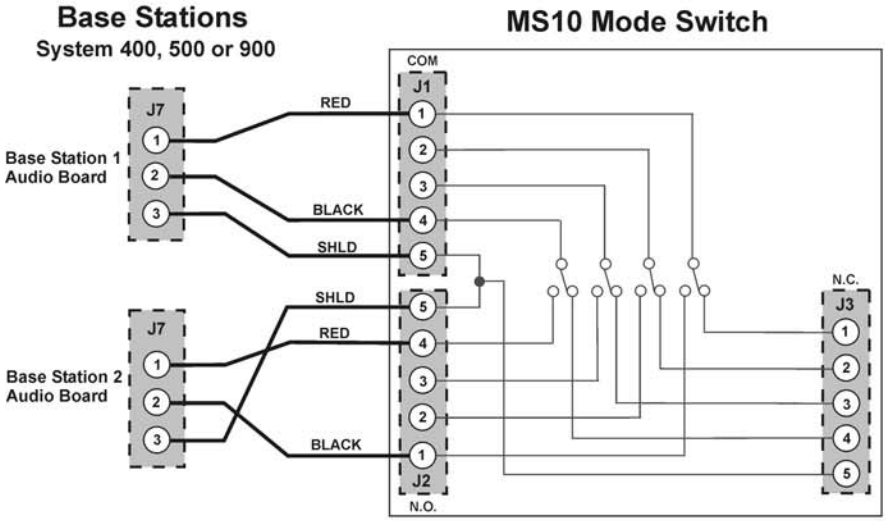

Figure 5. MS10 Connections for the System 400, 500 or 900

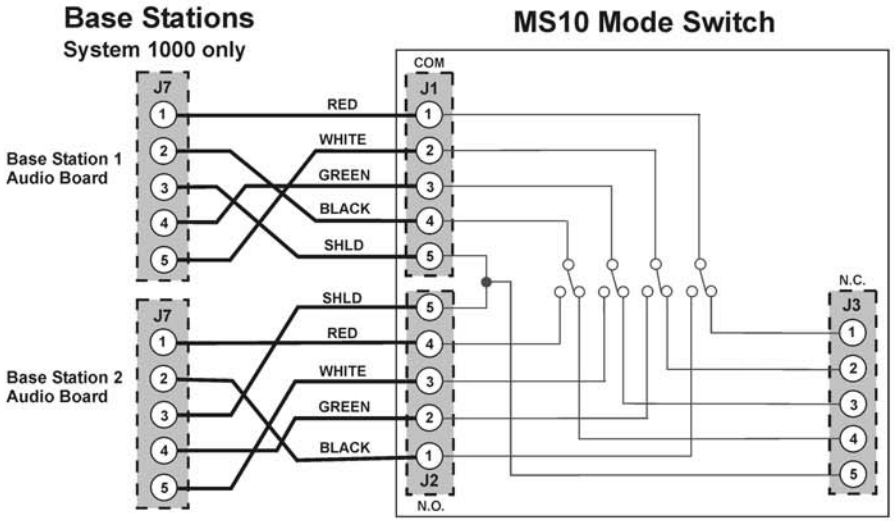

Figure 6. MS10 Connections for the System 1000

IMPORTANT!

Waste Electrical and Electronic Equipment (WEEE)

The European Union (EU) WEEE Directive (2002/96/EC) 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.