

MMX-MNSXP(R)

MULTI PURPOSE BACKBOX



THIS DOCUMENT LT-6052SEC ONLY DESCRIBES THE MECHANICAL STRUCTURE OF THE BACKBOX AND PROVIDES ONLY A GENERALIZED DESCRIPTION OF ASSEMBLY.

FOR MORE DETAILED INFORMATION REFER TO DOCUMENT LT-894SEC FOR THE MMX™ PANEL AND LT-899 FOR THE INX-10AC NAC EXPANDER.

1.1 MMX-MNSXP(R) Mechanical Installation

- Material** 16GA Steel (0.059" thick) for backbox
14GA Steel (0.075" thick) for door
- Finish** Painted except for hinges
- Dimensions** Enclosure dimensions (door and backbox): 27 1/2" wide by 62 3/4" long by 9" deep
There are 6 mounting holes, the top 2 are 21 1/2" apart and the bottom 2 mounting holes are aligned slightly left and 58 1/2" down from the top 2 mounting holes.

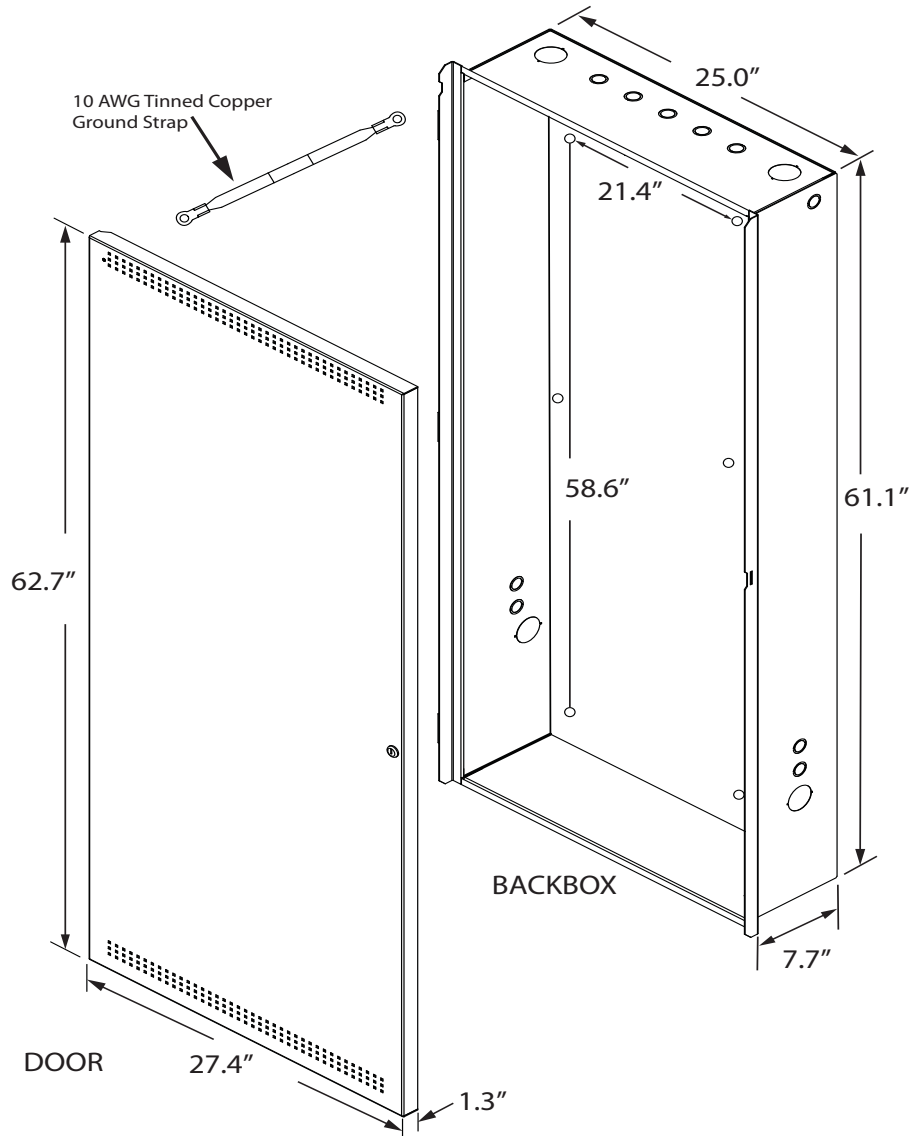


Figure 1 MMX-MNSXP(R) Enclosure Dimensions



Note: Leave bottom of box conduit free for batteries.

1.2 Cross section views of mounted MMX-MNSXP(R) enclosure

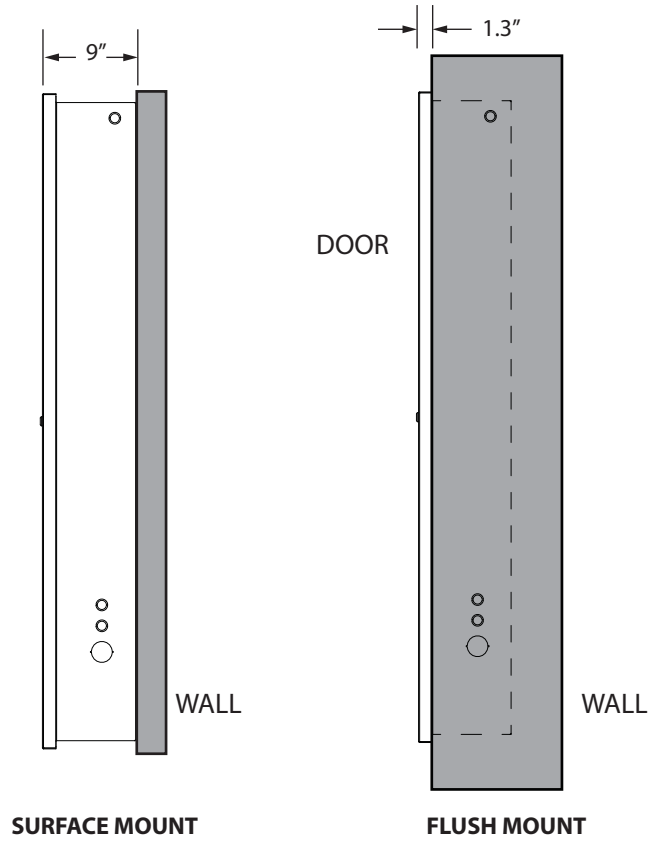


Figure 2 Surface and Flush Mounting Views of the MMX-MNSXP(R)

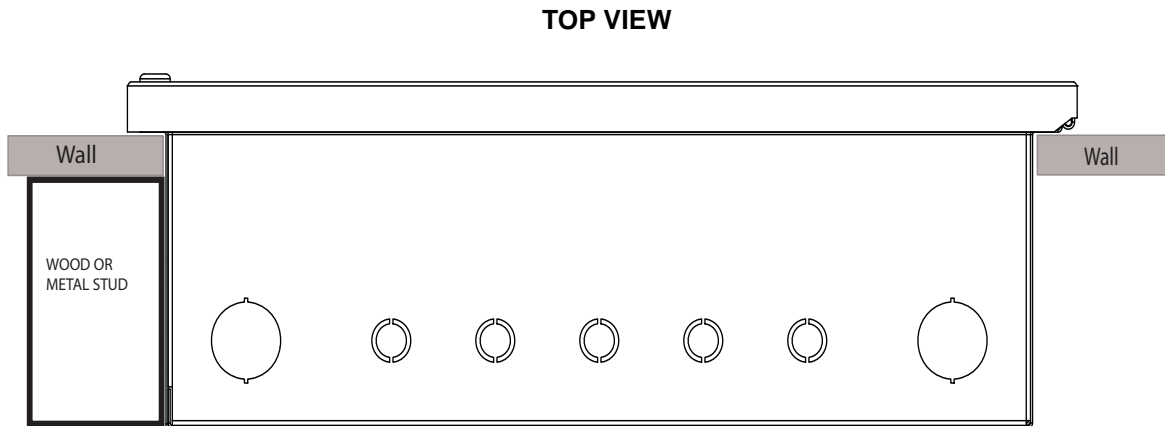


Figure 3 Cross-Section of the MMX-MNSXP(R) Flush Mounted Box

1.3 Chassis Installation

For proper chassis installation do the following:

1. Group the incoming wires through the top of the enclosure to prepare it for wiring the modules. Do not run the wires in-between the modules since it could cause a short circuit.
2. Use a wire tie to group wires for easy identification and neatness.
3. Be sure to connect a solid earth ground from the building system ground to a cold water pipe to the chassis earth ground mounting lug and connect the ground strap from the door to the ground screw in the backbox, see Figure 4 below.
4. Mount chassis using the supplied hexnuts.

Mounting the Audio System into the MMX-MNSXP(R) Enclosure

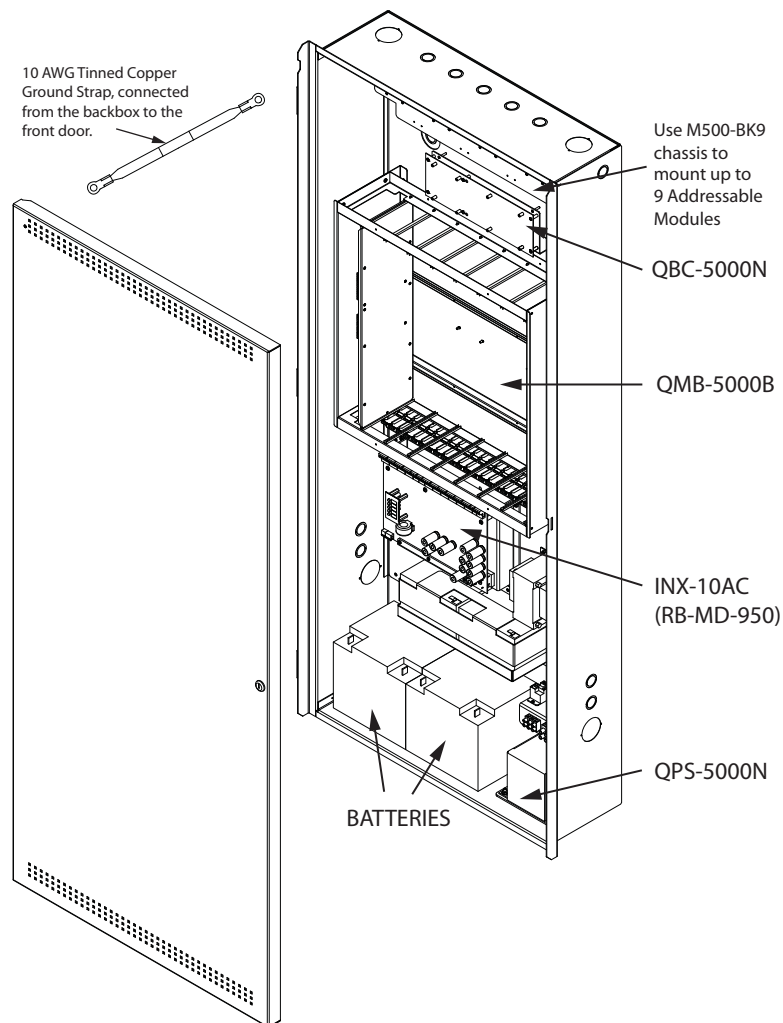


Figure 4 Audio System Installation in the MMX-MNSXP(R) with CH-993 Internal Chassis



Note: Leave the bottom of the box conduit free for batteries.

Mounting Intelligent NAC Expanders into the MMX-MNSXP(R) Enclosure

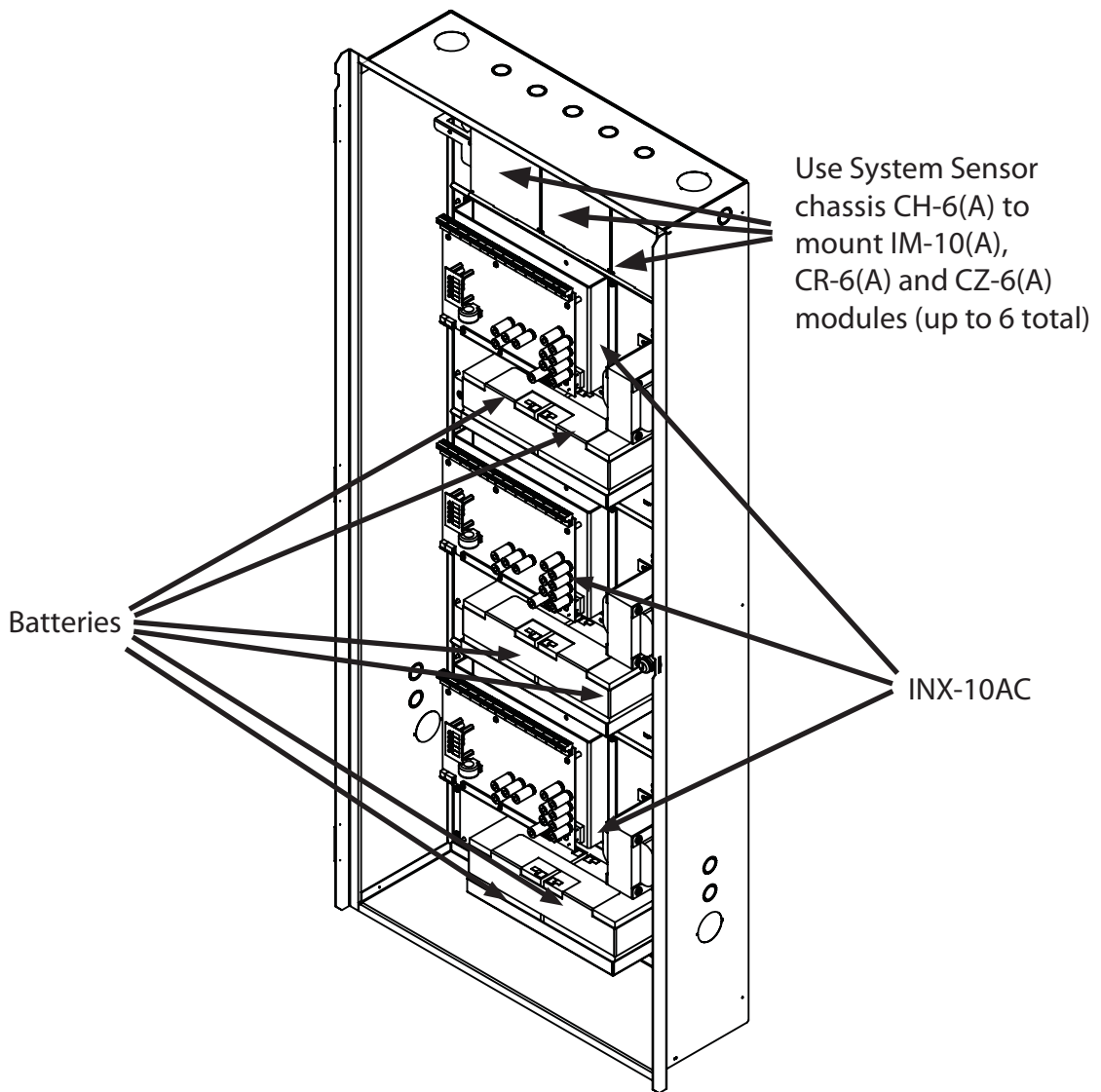


Figure 5 NAC Expander Installation in the MMX-MNSXP(R) with CH-994 Internal Chassis

1.4 Wire Routing



Note: All external connections are power limited except for the AC connections to the transformer. The transformer connections must be routed separately from all other external connections using their own conduit.

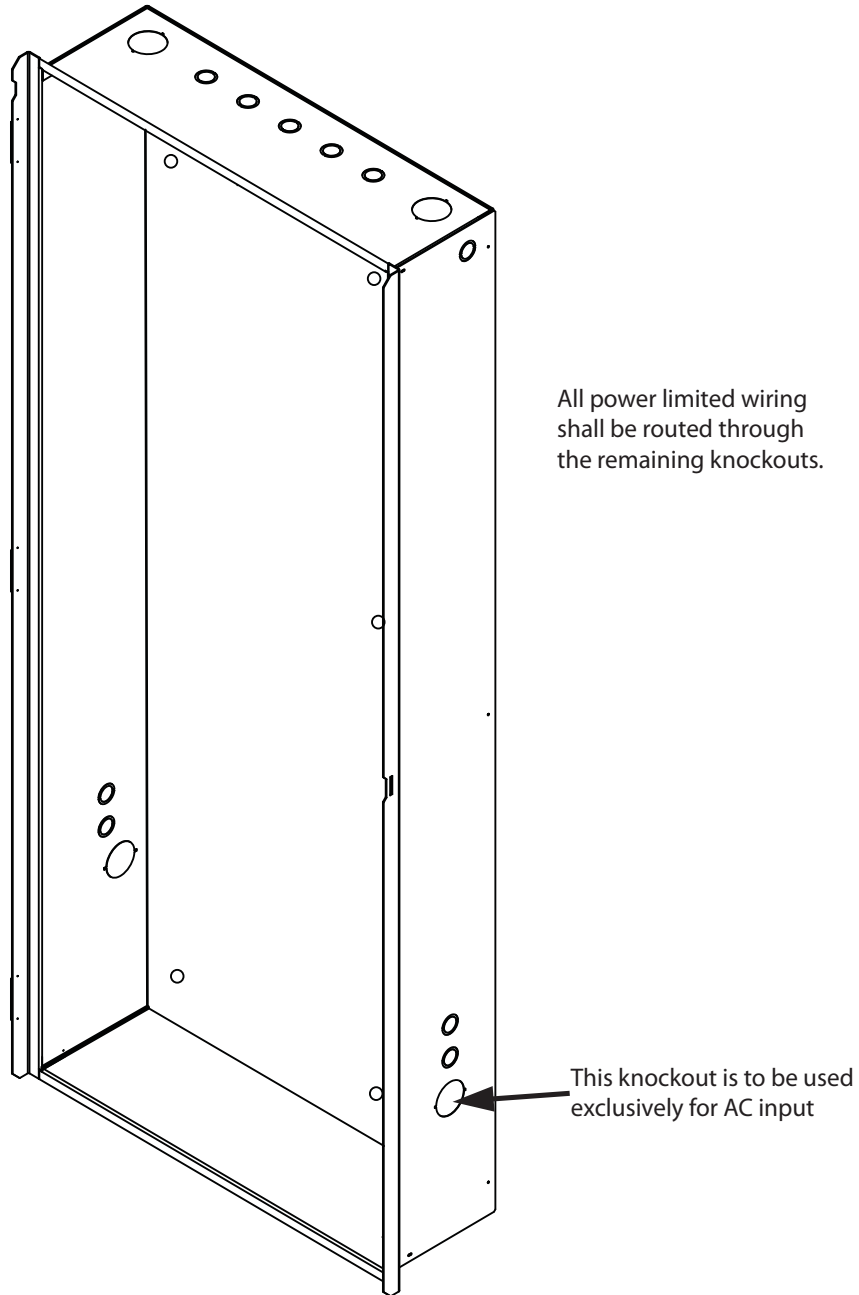


Figure 6 Wire Routing