BBX-MNSXP(R) AND BBX-MNSXPI(R)

MULTI PURPOSE BACKBOX

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

FOR MORE DETAILED INFORMATION. REFER TO DOCUMENT LT-894 FOR THE FLEX-NET™ PANEL, LT-616 FOR THE QX-5000 AUDIO SYSTEM AND LT-899 FOR THE INX-10AC.

1.1 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.
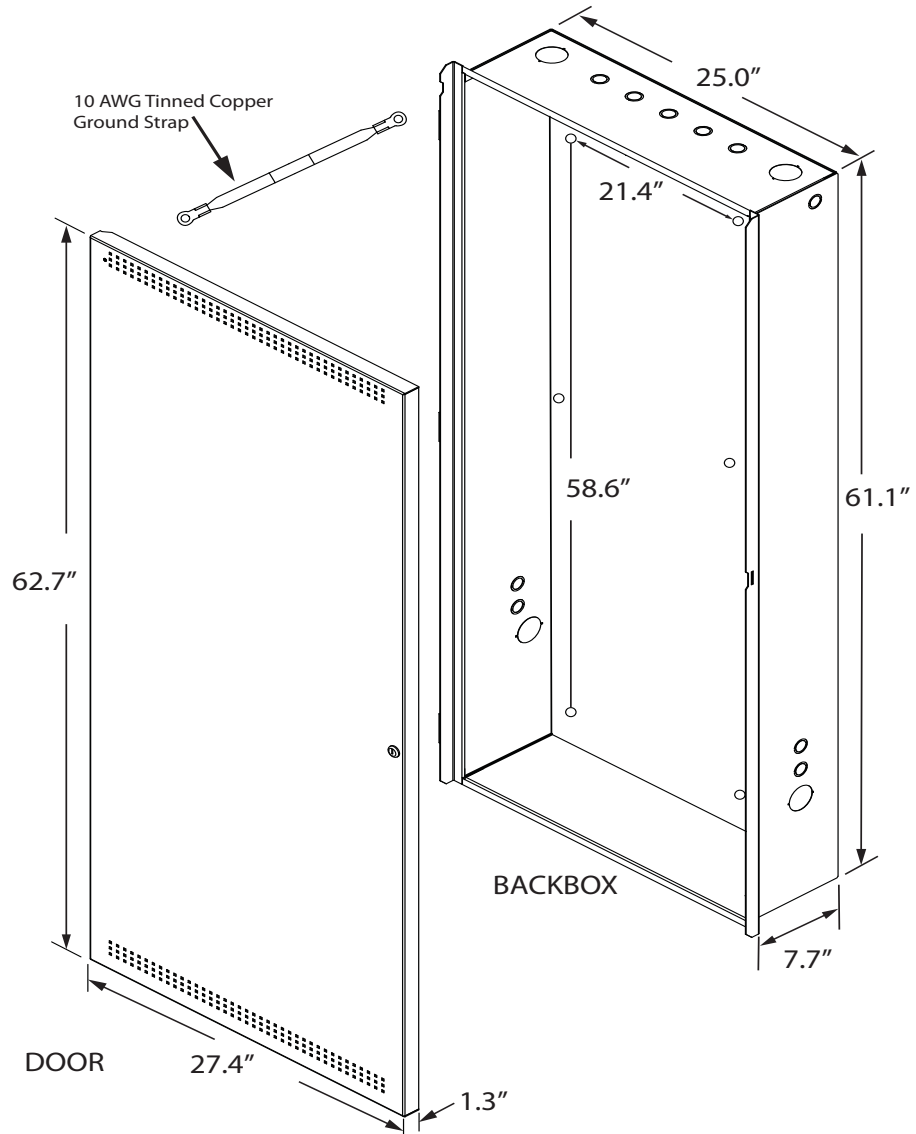

Figure 1   Enclosure Dimensions

> **Note:**   Leave bottom of box conduit free for batteries.
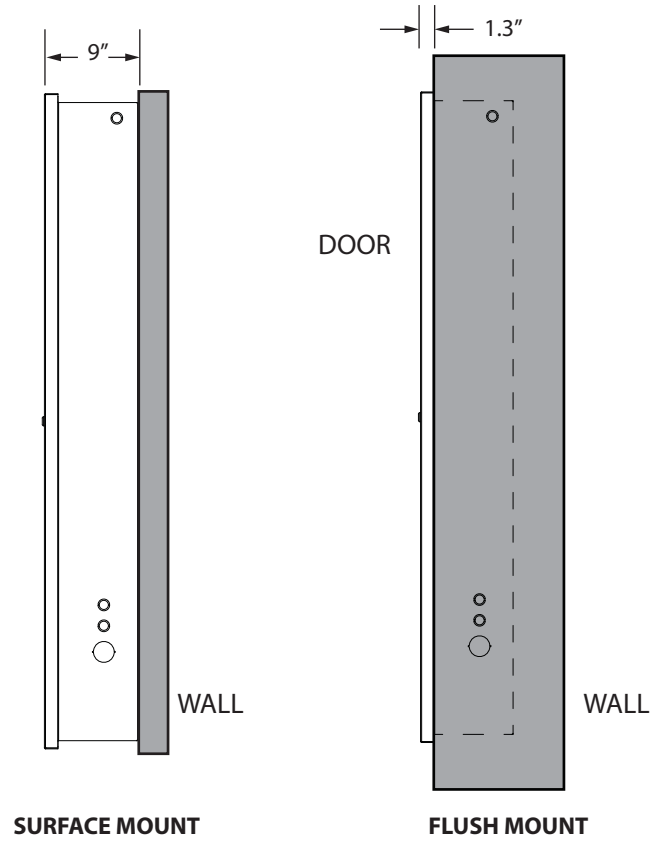
1.2   Cross section views of mounted enclosure

9"

1.3"

DOOR

WALL

WALL

SURFACE MOUNT

FLUSH MOUNT

Figure 2   Surface and Flush Mounting Views

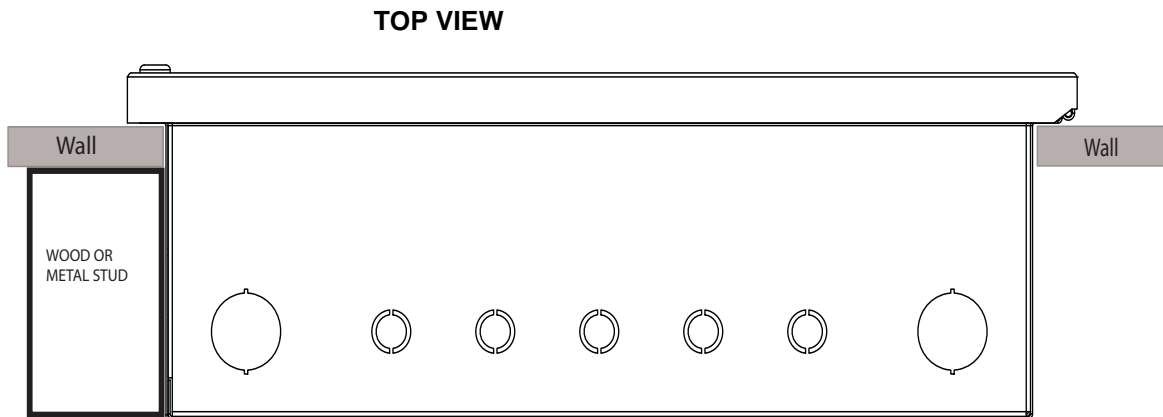**TOP VIEW**

Wall

Wall

WOOD OR
METAL STUD

Figure 3   Cross-Section of the 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.

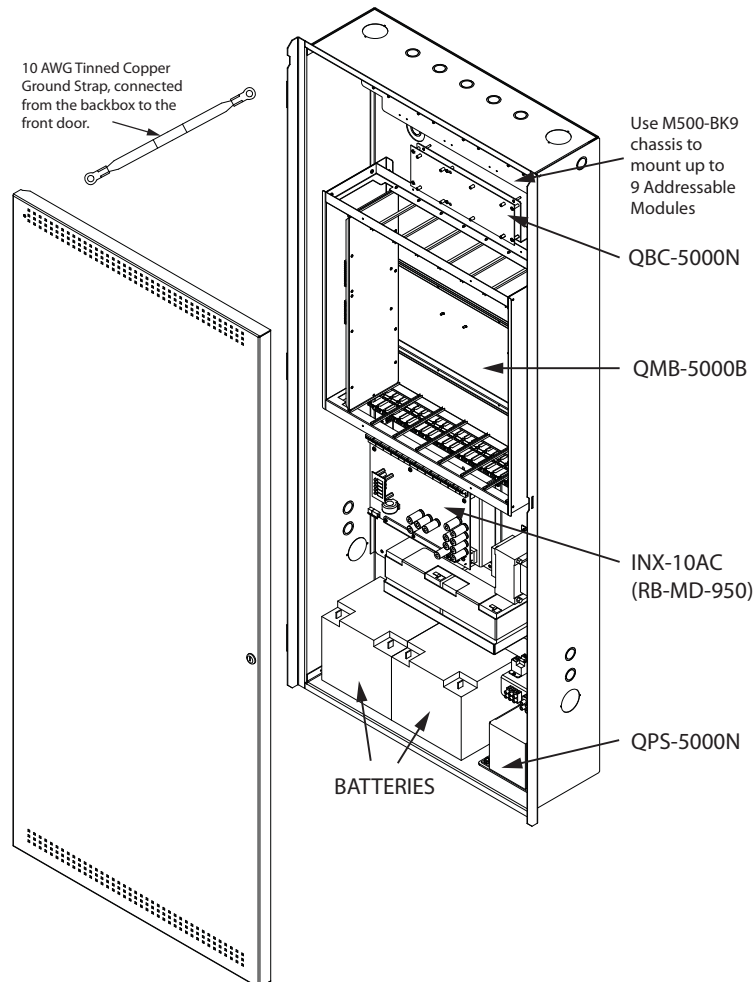### 1.3.1 Mounting the Audio System into the BBX-MNSXP(R) Enclosure

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

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Note: Leave bottom of backbox conduit free for batteries.

Use System Sensor chassis CH-6(A) to mount IM-10(A), CR-6(A) and CZ-6(A) modules (up to 6 total)
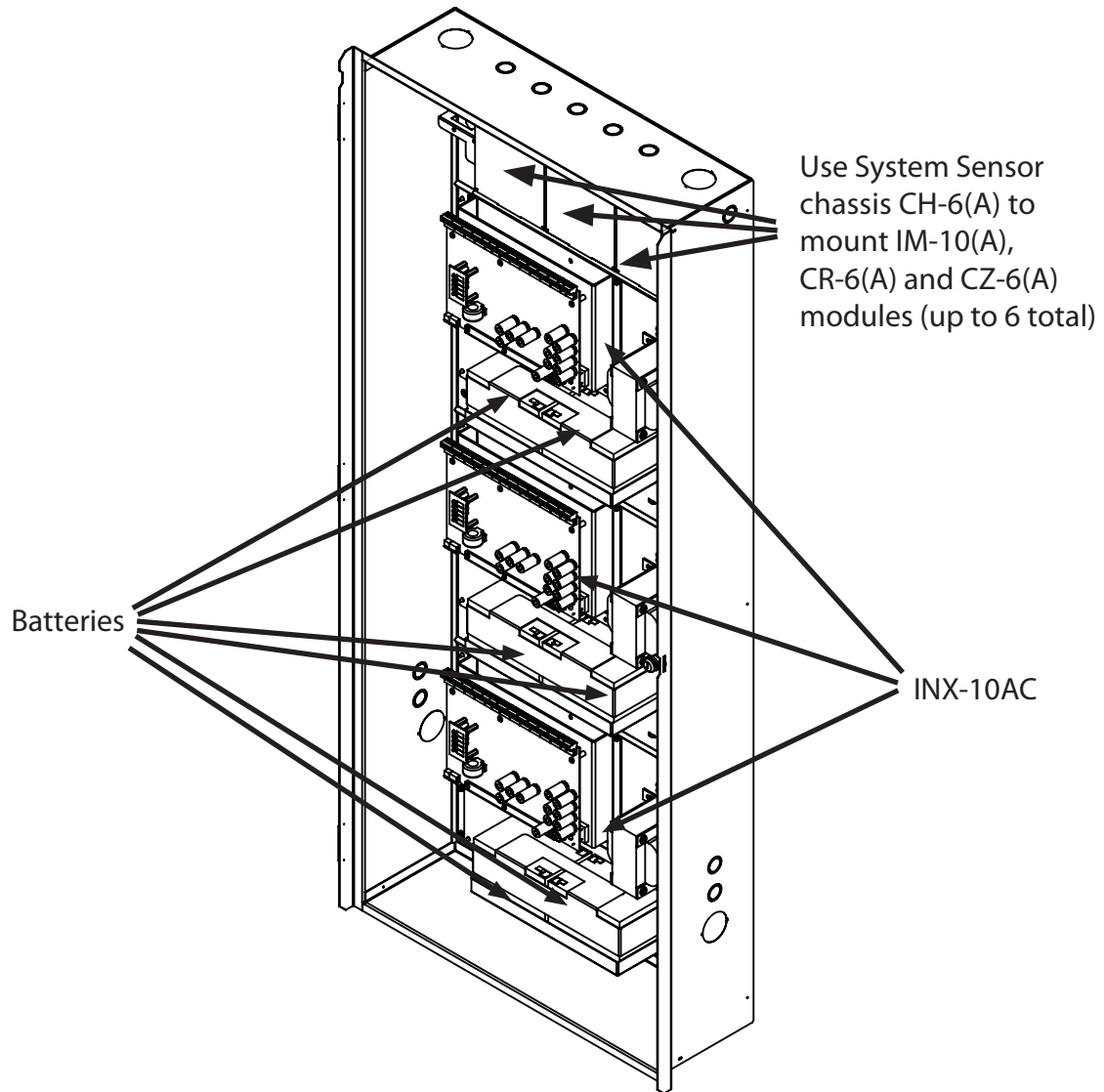
Batteries

INX-10AC

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

1.4 Wire Routing

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> **Note:** All external connections are power limited except for the AC connections to the transformer. Transformer connections must be routed separately from all other external connections using their own conduit.
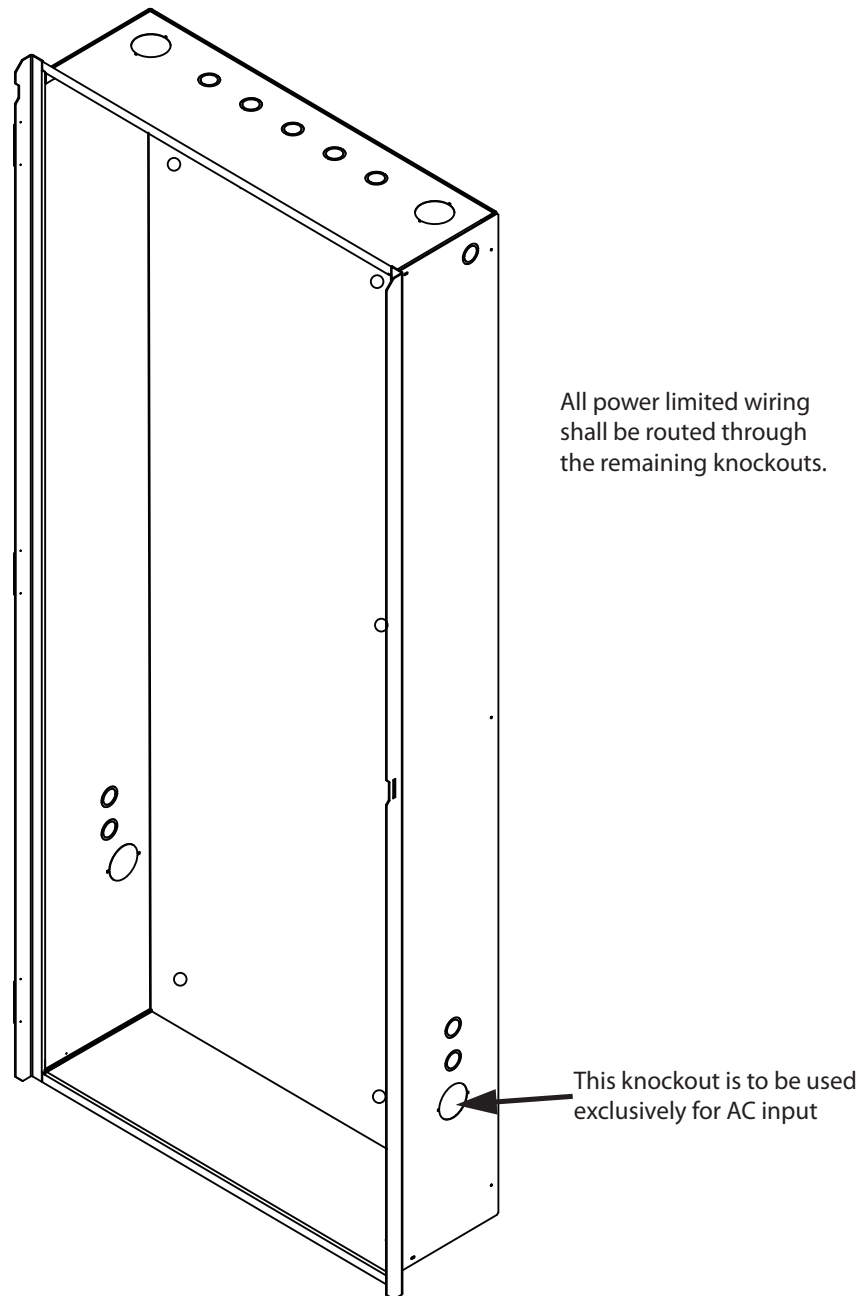
All power limited wiring shall be routed through the remaining knockouts.

This knockout is to be used exclusively for AC input

Figure 6   Wire Routing