



# RB-MD-1245 Replacement Main Controller Board Installation Instructions

These instructions describe how to install MD-1245 in TX3 Telephone Access panels.

**Note:** If the replacement door is required, install the replacement door before installing the replacement main controller board. Refer to LT-6628 “Replacement Door Installation Instructions”.

**Caution:** To prevent damage to the boards, always hold them by the edges.

## 1. Upgrade the Configurator Software

- Follow the instructions in LT-995 “TX3 Touch Screen Configuration and Administration Manual” to upgrade the Configurator software. Both the manual and the software are on the included USB flash.

## 2. Remove the old board

- Turn off the current main controller board and disconnect the power.
- Disconnect the power harness from the current main controller board.
- If the cables are not disconnected from the main controller board yet, then disconnect them.
- Unscrew the seven #8-32 screws that hold the current board in place.

## 3. Attach the new board

- Secure the new board with the seven screws you removed in step 4.
- If there are any daughter boards attached to the old board, remove them, and then install them on the new board.

## 4. Set the RS-485 address

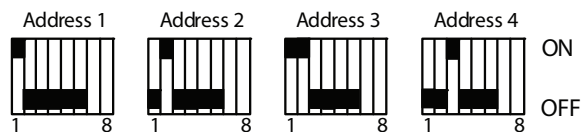


**CAUTION: Jumper and DIP switch settings are important for reliable operation.**

- Use DIP switches 1-6 to set the RS-485 network address. For details, see LT-969 on the USB flash or the Mircom website.

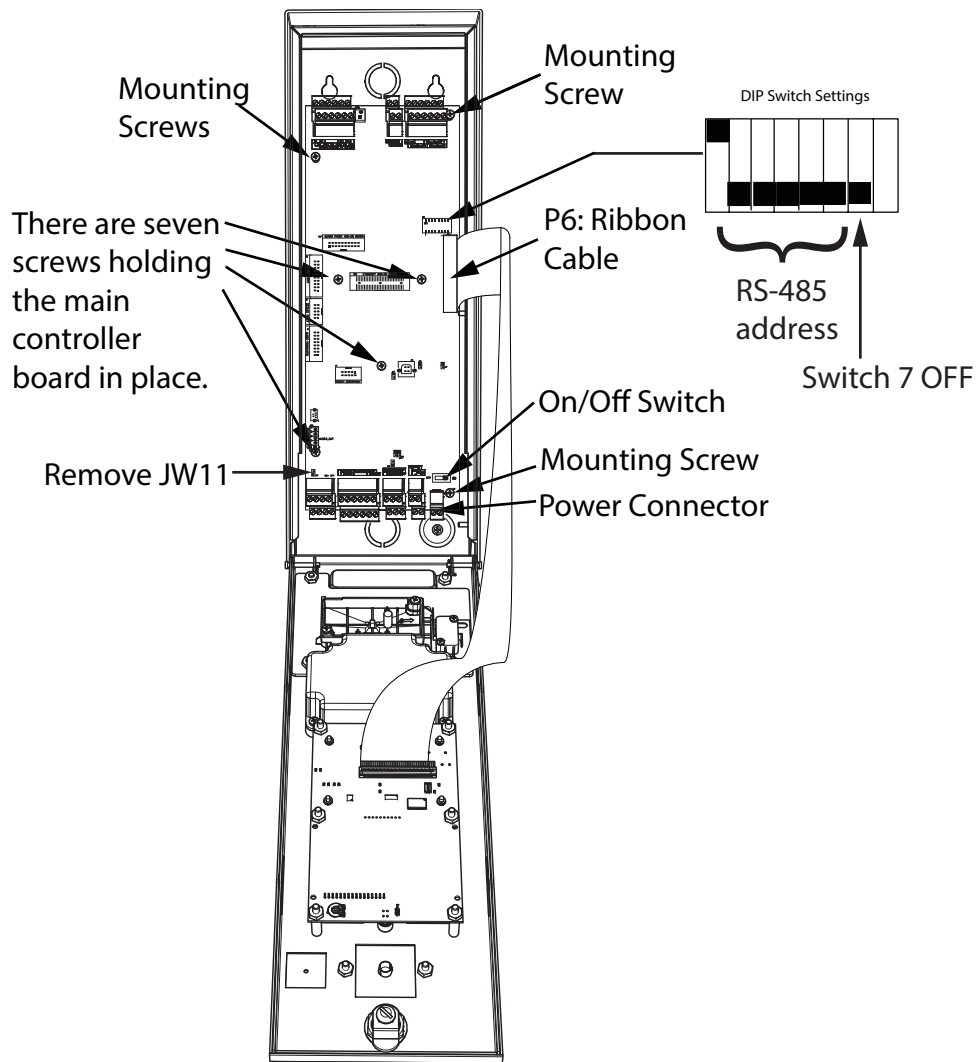
Each TX3 panel must have a unique RS-485 address.

See Figure 2 on the next page for the location of the DIP switches.



**Figure 1 RS-485 DIP Switch Settings**

- If there is a jumper on JW11, remove it. See Figure 2 on the next page.
- Set DIP switch 7 to OFF. See Figure 2 on the next page.
- DIP switch 8:
  - Set DIP switch 8 OFF if the IP address is assigned using a DHCP server.
  - Set DIP switch 8 ON if the IP address is assigned using the TX3 Configurator software.

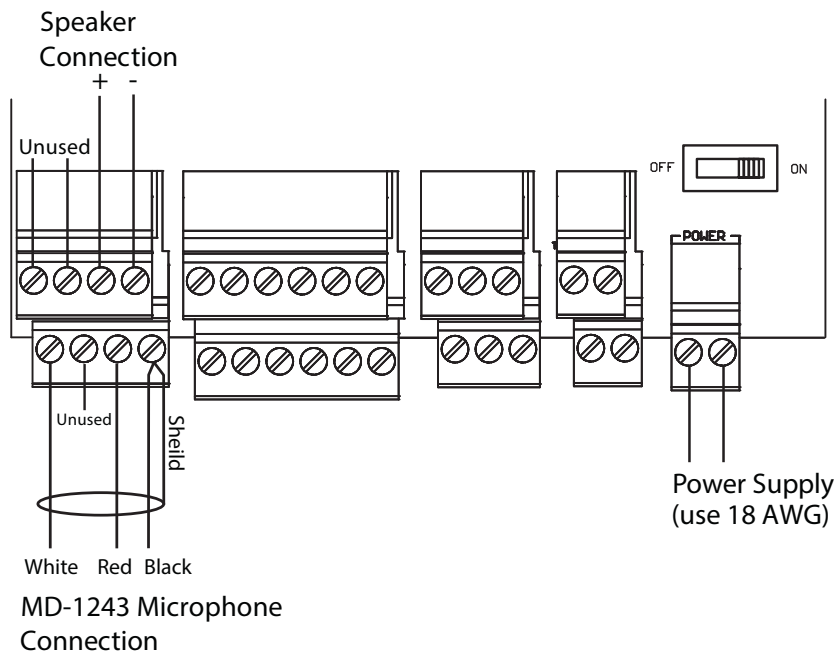


**Figure 2 Installing MD-1245**

## 5. Connect the wiring

1. Connect the ribbon cable from the door to P6 on the controller board as shown in Figure 2.
2. Connect the speaker and microphone as shown in Figure 3.

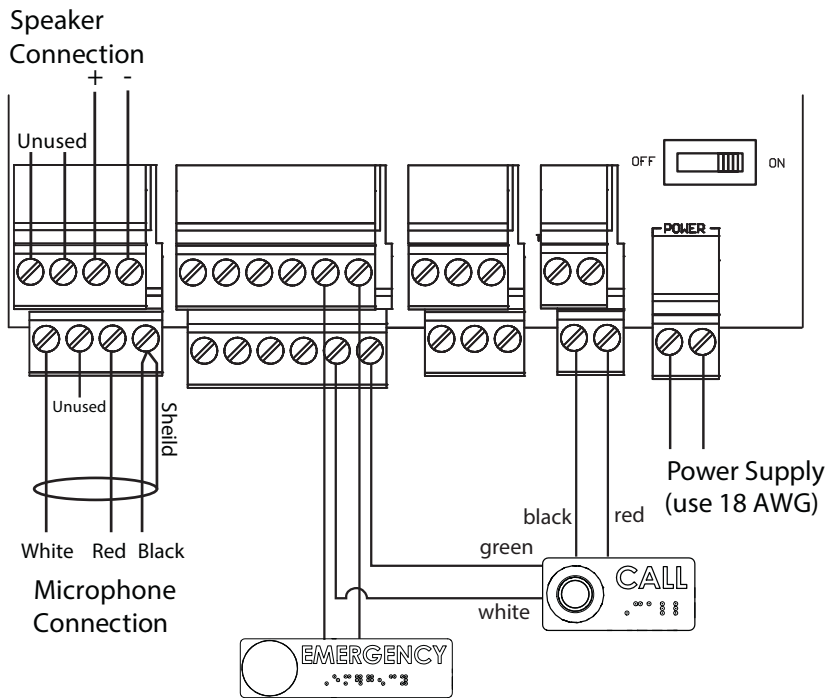
**Attention: MD-1245 works only with the MD-1243 microphone.**



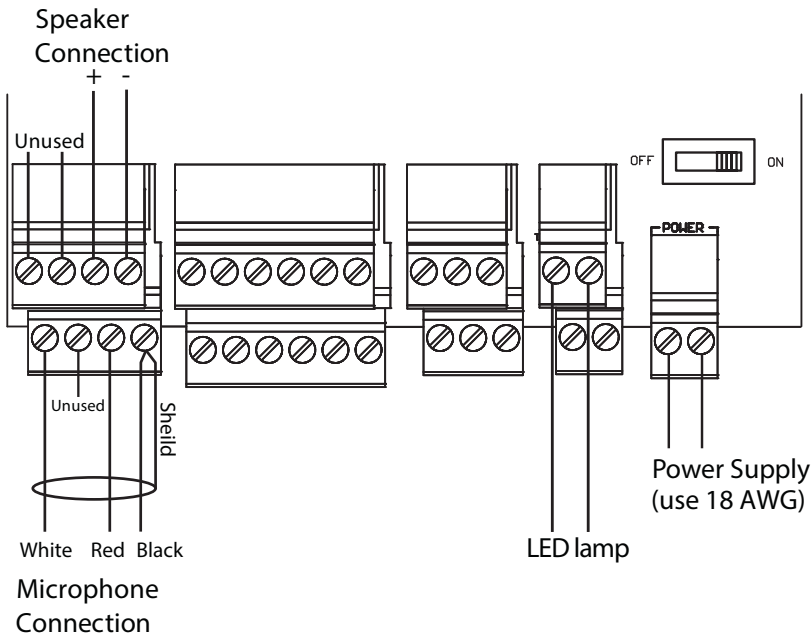
**Figure 3 Speaker, microphone, and power connections**

3. If you have TX3-EMER-200KS(-C) or TX3-EMER-1S(-C), connect the call button and emergency button as shown in Figure 4.
4. If you have TX3-120C-A/C or TX3-120U-A/C, connect the LED lamp as shown in Figure 5.
5. Connect all the remaining input, output, and networking harnesses to the new board.
6. Connect the power harness to the new board.
7. Turn on the new board.

You are done! If you need more help, call us at 1-888-660-4655.



**Figure 4 Call button and Emergency button connections on the Emergency Phone**



**Figure 5 LED lamp connection on TX3-120C-A/C and TX3-120U-A/C**