

# Installation Instructions for Replacement MD-1244 Microphone

This document applies to two kits:

- **RPL-MD-1244:** for TX3 Voice Entry systems ending in -C, for example TX3-1000-8U-C
- **RPL-MD-1244-TOUCH:** for Touch Screen models ending in -C or -D, for example TX3-TOUCH-F15-C, as well as TX3-TOUCH-S15B-WR and TX3-TOUCH-S15S-WR

**RPL-MD-1244** consists of the following parts:

- MD-1244 replacement microphone circuit board with adhesive strips on flat side
- WX-121 wiring harness and terminal block

**RPL-MD-1244-TOUCH** consists of the following parts:

- MD-1244 replacement microphone circuit board with adhesive strips on flat side
- WX-120 wiring harness and terminal block

**Caution:** Use the cable included with the replacement kit. Do not use the existing cable.

You will also need the following tools:

- Screwdriver or a utility knife
- A multimeter probe

To install the microphone, you must perform the following steps:

- A. Shut down the unit and disconnect power**
- B. Remove the old microphone**
- C. Attach the new microphone to the door**
- D. Connect the wiring harness to the lobby controller board**

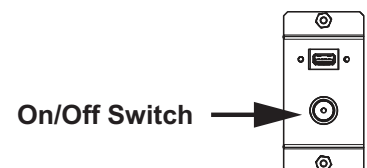
Details on how to perform these steps are in the following pages.

## A. Shut down the unit and disconnect power

If you are installing the replacement microphone on TX3 Touch Screen, it is essential that you follow the proper shut down procedure.

### Shut down the TX3 Touch Screen

1. Press the On/Off switch located at the bottom of the inner chassis.
2. After the TX3 Configurator and Windows have finished shutting down, disconnect power from the Touch Screen.



### Shut down the voice entry system

1. Turn the power switch on the lobby controller board OFF. The switch is labeled SW2.

## B. Remove the old microphone

1. Open the door.
2. Use a screwdriver or utility knife to remove the old microphone circuit board from the inside of the door.
3. Clean any residue left behind.

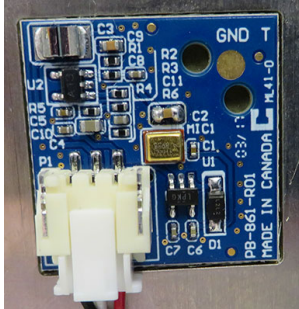


Figure 1 Old microphone on the door

4. Disconnect the old microphone cable.

## C. Attach the new microphone to the door

The new microphone attaches to the inside of the door with double-sided tape. The microphone fits into an indentation in the door. For ideal sound quality, the opening on the flat side of the new microphone must align with the microphone opening on the door.

### Align and attach the new microphone to the door using a multimeter probe

1. Remove the sticker to expose the adhesive on the flat side of the microphone board as shown in Figure 2.

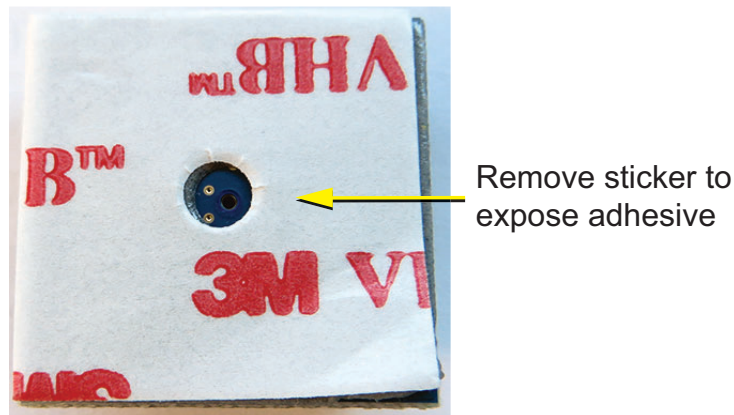
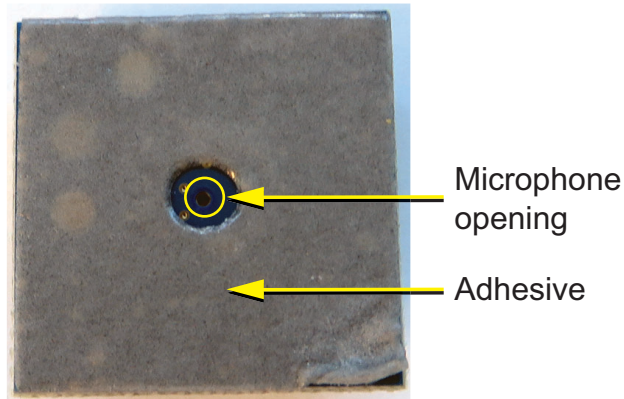


Figure 2 Remove sticker to expose adhesive on new microphone



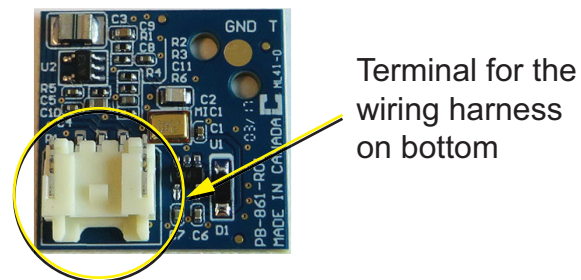
**Figure 3** Location of the microphone opening on the new microphone

2. Open the door.
3. From the front of the door, insert the multimeter probe through the door's microphone opening.
4. Carefully insert the tip of the multimeter probe into the microphone opening on the microphone.

**Caution:** The microphone on the other side of the opening is very delicate. Permanent damage to the microphone can result if you force the tip of the multimeter probe too far into the microphone opening.

5. Align the microphone so that the terminal for the wiring harness is on the bottom (see Figure 4).

**Note:** For ideal sound quality, the opening on the flat side of the new microphone must align with the microphone opening on the door.



**Figure 4** Proper alignment of the of the microphone board

- Using the multimeter probe as a guide, move the microphone towards the door until the microphone attaches to the door.



**Figure 5** Aligning the microphone with the microphone hole

## D. Connect the wiring harness to the lobby controller board

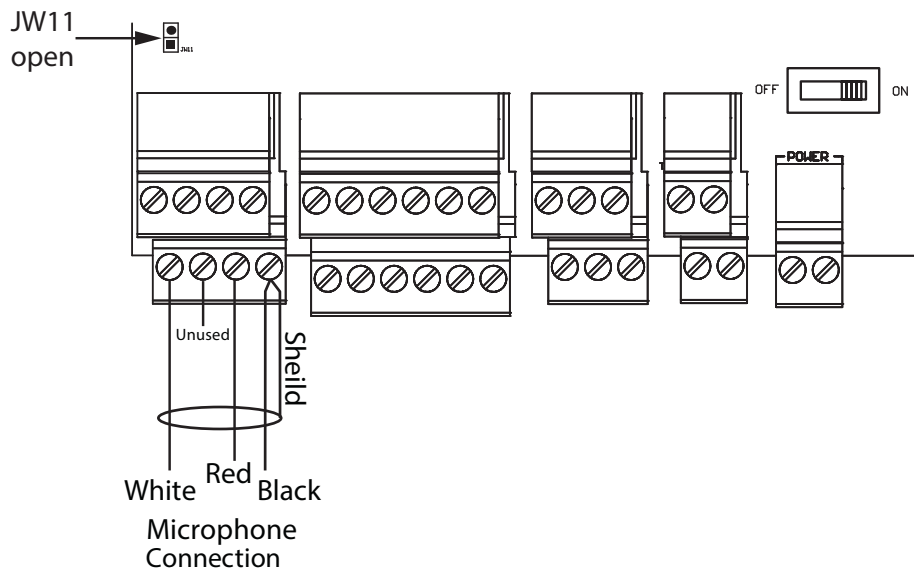
- Connect the 4-pin connector on the wiring harness to the 4-pin terminal on the lobby controller board as shown in Figure 6.

**Caution:** Use the cable included with the replacement kit. Do not use the existing cable.

**Do not disconnect the wiring from the microphone or the terminal block.**

**Make sure that the wiring matches what is shown in Figure 6.**

- If there is a jumper on JW11, remove it (see Figure 6).
- Reconnect power to the unit, and then turn it on.



**Figure 6** Microphone wiring