



MC-CRX™ Series Card Reader

Installation & Operation Guide

INTRODUCTION

The MC-CRX Series Card Reader is the result of extensive research and development in computerized crediting systems. These greatly simplified systems provide important features never before available in any combo bill acceptor. The MC-CRX Series Card Reader extends the capability of your application to generate maximum performance and profitability.

This page contains general information on installing, operating and maintaining the MC-CRX. Some of the many outstanding features include:

- Self-clearing vertical swipe
- Illuminated inlets for card and bill paths
- Audible feedback for card swipe/cancel
- High contrast dual line display
- Flash programmable memory
- Metal bezel and rugged design
- Programmable bill acceptance
- Credit or debit card acceptance
- Installs easily in existing mountings
- Self-diagnostics communicated via status light
- Built upon the flexible MC Series system
- Manufactured and supported by Coinco
- Made in the U.S.A.

INSTALLATION AND OPERATION

INSTALLING THE CRX CARD READER ON MC SERIES BILL ACCEPTOR *(for retrofitting a card reader only)*

1. Verify the MC Series bill acceptor is functioning properly before installing the CRX mask
2. For the **Standard Bezel**:
 - Using a Phillips screwdriver, remove the 4 screws that secure the MC Series bezel to the mounting frame and mainframe (See Figure 1).
 - With the bezel out of the way, unplug the ground wire connected to the mounting frame.
 - Proceed to Step 3.For the **Slimline Bezel**:
 - Using a Phillips screwdriver, remove the 3 screws that secure the MC Series bezel to the mounting frame (See Figure 1).

- With the bezel out of the way, unplug the ground wire connected to the mounting frame.
 - Remove the four screws that attach the mounting frame to the mainframe of the MC Series bill acceptor.
3. Place the new mounting frame from the CRX kit onto the bill acceptor mainframe. Verify that the plastic insulation is facing down against the bill acceptor mainframe.
 4. Be sure to attach the bill acceptor ground wire to the mounting frame.

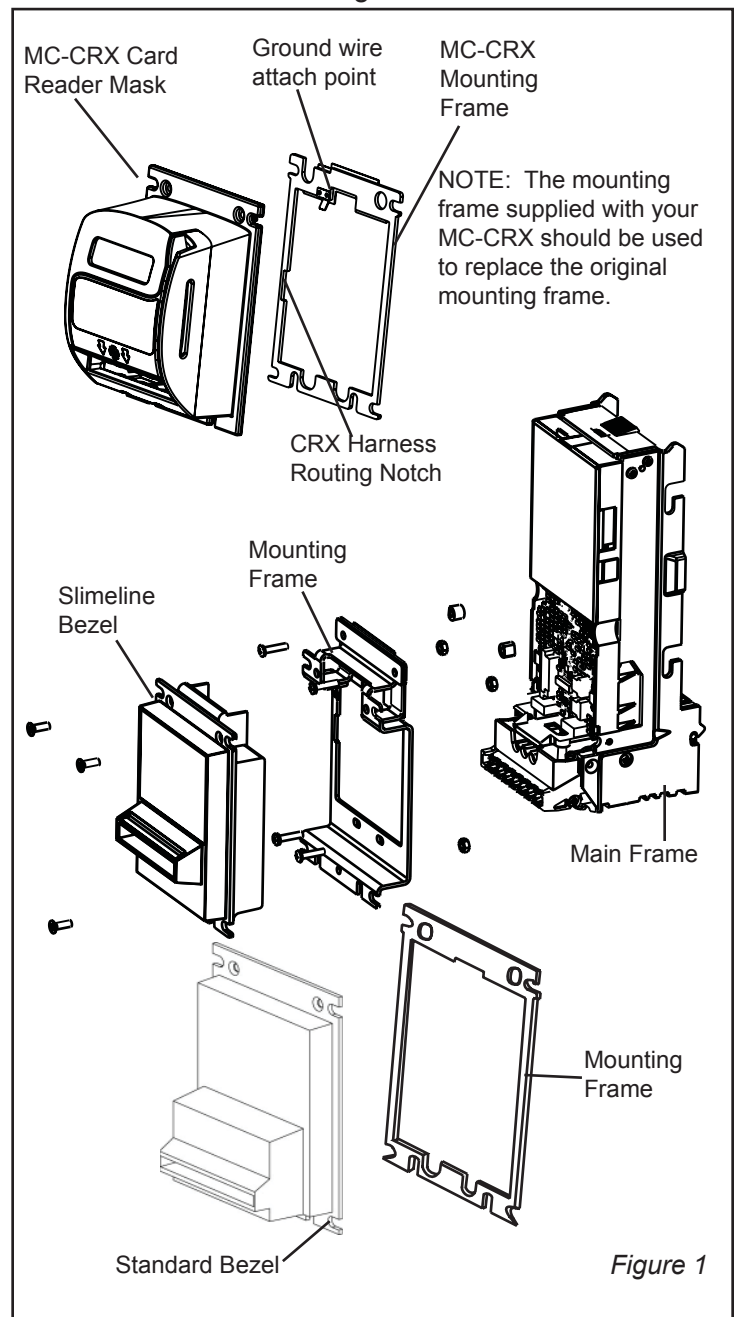


Figure 1

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5. Route CRX Card Reader harness to the same side as the existing MC harness. Ensure the CRX harness is aligned with the cutout in the new mounting frame.
 6. Lower the CRX Card Reader onto the mounting frame and reattach using the screws from Step 2. Make sure the mask mounts flush to the mounting frame.
 6. After credit has been established, press the cancel credit button on the card reader. This should also be accompanied by an audible beep.
 7. Verify the machine credit has been canceled.

INSTALLING THE MC-CRX IN THE EQUIPMENT

1. Disconnect the machine's power.
2. Install the MC-CRX unit into the mounting opening of the machine using the appropriate hardware (not included).

NOTE: Should additional mounting hardware be required, please contact your local Coinco office or machine manufacturer.

3. To ensure proper operation, the MC Series mounting surface must be connected to the equipment's earth ground.
4. Connect the MC Series MDB bill validator interface harness to the equipment's controller and coin changer (as applicable). Ensure that the credit card transaction controller unit is properly installed for your MC-CRX and then connect the card reader interface harness to the appropriate port.

VERIFYING INSTALLATION

1. Restore power to the equipment.
2. On power up the bill acceptor motors will cycle, and the green LEDs will blink after 15 seconds. The card swipe status LED will blink 5 times with an audible beep and the LCD will turn on and display "Coin Acceptors" and the software version. Check the LCD for the expected startup message from your transaction controller. If this sequence of events does not occur, refer to the Troubleshooting section of the Operation & Service Manual.
3. With the price set below one dollar, swipe a valid credit card or other test card provided by a backend service supplier.
4. Verify that the card reader accepted the credit card by checking for a single audible beep. The MC-CRX card reader will emit three beeps on an invalid card swipe or credit card.
5. Verify that credit has been established with the machine.

NOTE: Please refer to the MC Series Bill Acceptor Operation & Service Manual for detailed information on the MC Series Bill Acceptor.

CLEANING

The MC-CRX card reader is manufactured from metal and high-quality plastics, which should only be cleaned with a soft bristle brush or cloth dampened with warm water and a mild detergent solution, if necessary. Dust can be removed using a soft brush or blown out using compressed air.

PROCEDURE:

1. Disconnect the power before cleaning.
2. Mix warm water and mild detergent.
3. Dampen the brush or cloth with solution and wipe the outside of the card reader.
4. Rinse the cloth with clean water and wipe the previously cleaned area again to rinse off solution.
5. To clean the card slot, dampen a cloth with the detergent solution and pull the towel through the card slot.
6. Wait until the unit is completely dry to restore power and verify the unit is functioning properly.

WARNING: Never submerge the unit in water and avoid getting water on the circuit board of the reader. Do not use petroleum-based cleaners, solvents, steel wool, scouring pads, or stiff bristle brushes for cleaning. Do not spray any type of lubricant on any part of the card reader or MC Series bill acceptor.

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