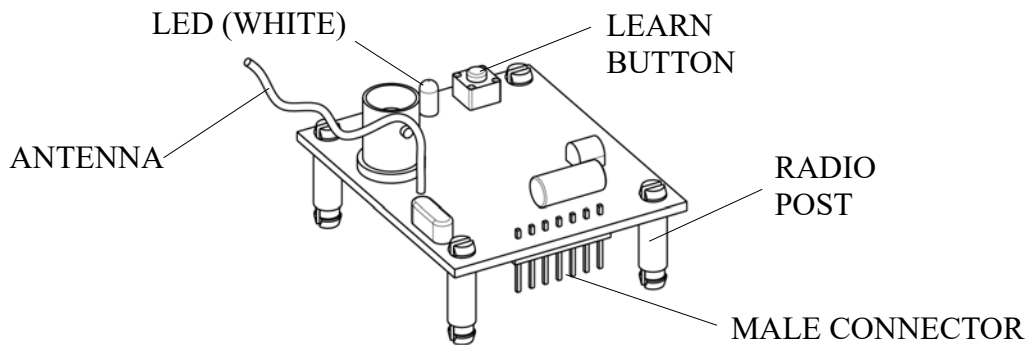


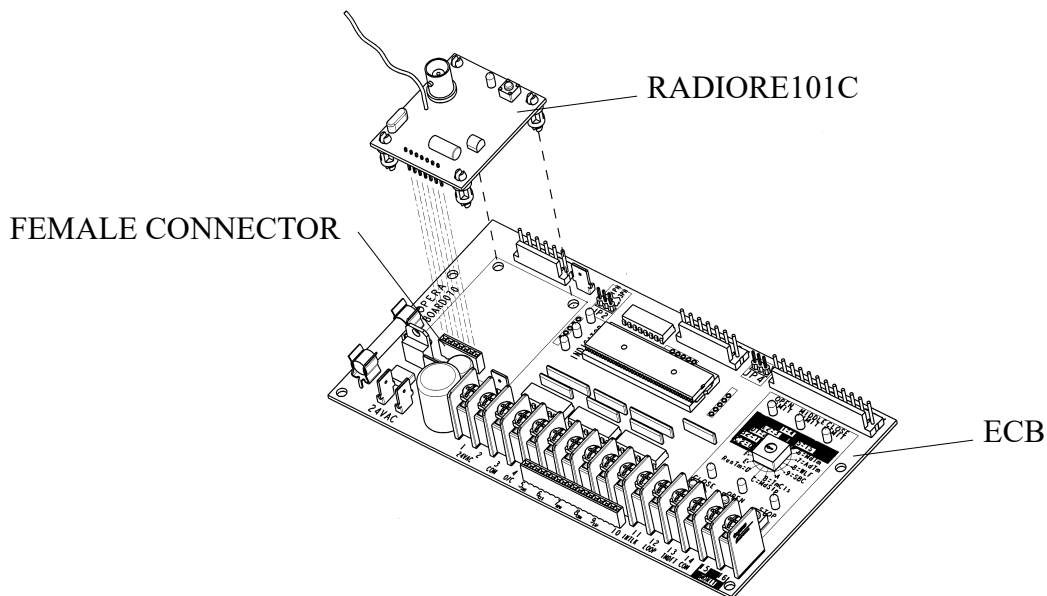
### Components



### Installation Instructions

If RADIORE101C is factory installed, go to Transmitter Programming:, p.2.

- 1) Turn power OFF.
- 2) Insert the 4 radio-posts in the holes of the receiver and the Electronic Control Board (ECB). Mate male and female connectors, as shown in figure below.
- 3) Turn power ON. The radio receiver LED (WHITE) should be ON.
- 4) Straighten antenna. Antenna must exit from the operator's control box. Keep antenna wire far away from any potential pinch point.

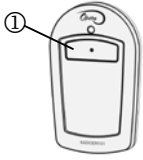
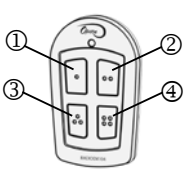
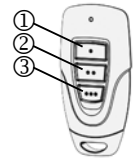


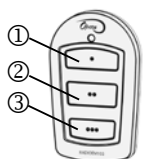




### Programming Instructions

To MATCH a Transmitter to the Receiver	To DELETE ALL Transmitters from the Receiver memory
1.HOLD the Receiver's <b>LEARN</b> button until the LED flashes (approx. 2 sec.) (frequency of 1 sec. ON / 1 sec. OFF). 2.HOLD any button on the Transmitter until the Receiver's LED stops flashing.	1.HOLD the Receiver's <b>LEARN</b> button until the LED flashes (approx. 10 sec.) (frequency of 1/3 sec. ON / 1/3 sec. OFF).


### ➤ Transmitter Programming: RADIOEM101, RADIOEM102, RADIOEM103, RADIOEM104

The Opera Brand Transmitters can be used as either a 1-Door x 3-Button Transmitter or as a Multiple-Door Transmitter (Commercial Sequence or SBC). Commercial Sequence or SBC settings depend on the operator programming settings. The Transmitters can be re-programmed as needs change.

Transmitter	Modes and Functions	Transmitter Programming
 <p><b>RADIOEM101</b></p>	<p><b>1-Door 1-Button Transmitter <sup>(1)</sup></b></p> <p>1. OPEN / STOP / CLOSE → Only Button</p>	<p>No initial programming is required. The transmitters are ready to be matched to the receiver, please refer to the Programming Instructions, p. 1.</p>
 <p><b>RADIOEM104</b></p>	<p><b>4-Door 4 x 1-Button Transmitter <sup>(1)</sup></b></p> <p>1. DOOR #1 → Top Left Button 2. DOOR #2 → Top Right Button 3. DOOR #3 → Bottom Left Button 4. DOOR #4 → Bottom Right Button</p> <p><sup>(1)</sup> Each button acts separately as a 1-Button Transmitter. <b>Commercial Sequence</b> or <b>SBC Programming</b> depends on the <b>Operator Settings</b>, please refer to the Commercial Sequence or SBC Programming instructions, p. 4.</p>	
 <p><b>RADIOEM102 Mini Key Chain</b></p>	<p><b>1-Door 3-Button Transmitter (Factory default for RADIOEM103SD)</b></p> <p>1. OPEN → Top Button 2. CLOSE → Middle Button 3. STOP → Bottom Button</p>	<p>1. Press and HOLD <b>Buttons ① and ③</b> for <b>5 sec.</b> The <b>RED LED</b> will  <b>BLINK.</b> You have 15 sec. to complete the configuration or you will need to restart.</p> <p>2. Release <b>Buttons ① and ③.</b></p> <p>3. Press <b>Button ①.</b></p> <p>4. The <b>RED LED</b> will stop  blinking. Programming is now complete.</p>
 <p><b>RADIOEM103 Single Door (SD) / Multiple Door (MD)</b></p>	<p><b>3-Door 3 x 1-Button Transmitter <sup>(1)</sup> (Factory default for RADIOEM102 &amp; RADIOEM103MD)</b></p> <p>1. DOOR #1 → Top Button 2. DOOR #2 → Middle Button 3. DOOR #3 → Bottom Button</p> <p><sup>(1)</sup> Each button acts separately as a 1-Button Transmitter. <b>Commercial Sequence</b> or <b>SBC Programming</b> depends on the <b>Operator Settings</b>, please refer to the Commercial Sequence or SBC Programming instructions, p. 4.</p>	<p>1. Press and HOLD <b>Buttons ① and ③</b> for <b>5 sec.</b> The <b>RED LED</b> will  <b>BLINK.</b> You have 15 sec. to complete the configuration or you will need to restart.</p> <p>2. Release <b>Buttons ① and ③.</b></p> <p>3. Press <b>Button ③.</b></p> <p>4. The <b>RED LED</b> will stop  blinking. Programming is now complete.</p>

### ➤ Transmitter Programming: RADIOEM144

The RADIOEM144 Rolling Code Transmitter can be used to control up to 144 doors with Open / Close / Stop function. Two rotary dials (Letters: A to L) and (Numbers: 1 to 12) permit for a proper door selection. The Transmitter can be re-programmed as needs change.

Transmitter	Modes and Functions	Transmitter Programming
 <p><b>RADIOEM144</b></p>	<p><b>Multiple Door (up to 144 doors) 3-Button Transmitter</b></p> <ol style="list-style-type: none"> <li>1. OPEN → Top Button</li> <li>2. CLOSE → Middle Button</li> <li>3. STOP → Bottom Button</li> </ol>	<p>No initial programming is required.</p> <p>The transmitters are ready to be matched to the receiver, please refer to the Programming Instructions, p. 1.</p>



# RADIOKIT004 / RADIORE101C

## Specifications and Programming Instructions

### ➤ Commercial Sequence or SBC Programming (Optional)

Modes	Functions	Programming (On operator's ECB)
<b>Commercial Sequence - 1-Button</b>	<p><b>OPEN / CLOSE → Button</b></p> <p><b>Door is CLOSED:</b> - Click Button → Door OPENS FULLY</p> <p><b>During UPWARD Travel:</b> - Click Button → Nothing happens</p> <p><b>Door is OPENED:</b> - Click Button → Door CLOSES FULLY</p> <p><b>During DOWNWARD Travel:</b> - Click Button → Door reverses and OPENS FULLY</p> <p><b>Door is STOPPED:</b> - Not possible in this mode. Door is either FULLY OPENED or FULLY CLOSED.</p>	<p><b>Standard default mode.</b></p> <ol style="list-style-type: none"> <li>1. Door is in fully CLOSED position.</li> <li>2. On ECB, verify if the close limit switch is activated (CLOSE LED is ON).</li> <li>3. On ECB, set select switch on <b>9 = SBC</b>.</li> <li>4. On ECB, press “STOP” button.</li> <li>5. On ECB, select run mode <b>(1, 4, or 5)</b>.</li> </ol>
<p><b>Single Button Control (SBC)</b></p> <p>Available with the Electronic Control Board (ECB) only.</p> <p>Alternating Sequence</p>	<p><b>OPEN / STOP / CLOSE → Button</b></p> <p><b>Door is CLOSED:</b> - Click Button → Door OPENS</p> <p><b>During UPWARD Travel:</b> - Click Button → Door STOPS</p> <p><b>Door is STOPPED:</b> - Click Button → Door CLOSES</p> <p><b>During DOWNWARD Travel:</b> - Click Button → Door STOPS</p> <p><b>Door is STOPPED:</b> - Click Button → Door OPENS</p> <p><b>Note:</b> If the door is STOPPED for more than 2 minutes, the next movement will be UPWARD regardless of the previous movement.</p>	<ol style="list-style-type: none"> <li>1. Door is in fully CLOSED position.</li> <li>2. On ECB, verify if the close limit switch is activated (CLOSE LED is ON).</li> <li>3. On ECB, set select switch on <b>9 = SBC</b>.</li> <li>4. On ECB, press “OPEN” button.</li> <li>5. On ECB, select run mode <b>(1, 4, or 5)</b>.</li> </ol>

For further information, please consult the operator's Installation & Instruction Manual or contact our Technical Support Department at **1-800-361-2260**.

## **HOW TO ORDER REPAIR PARTS**

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