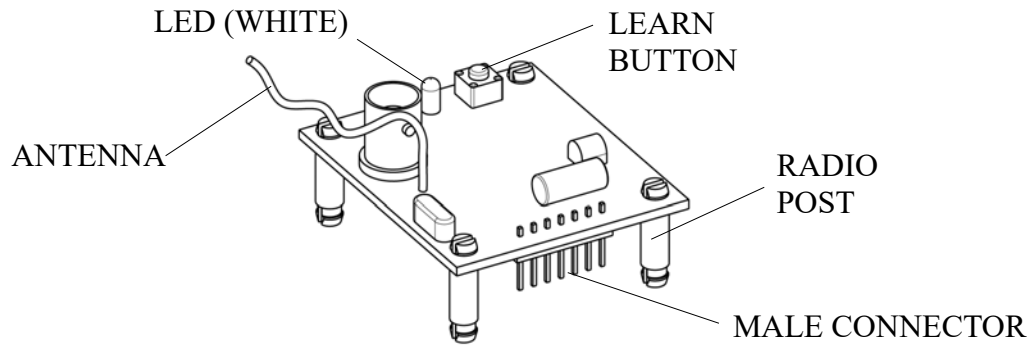


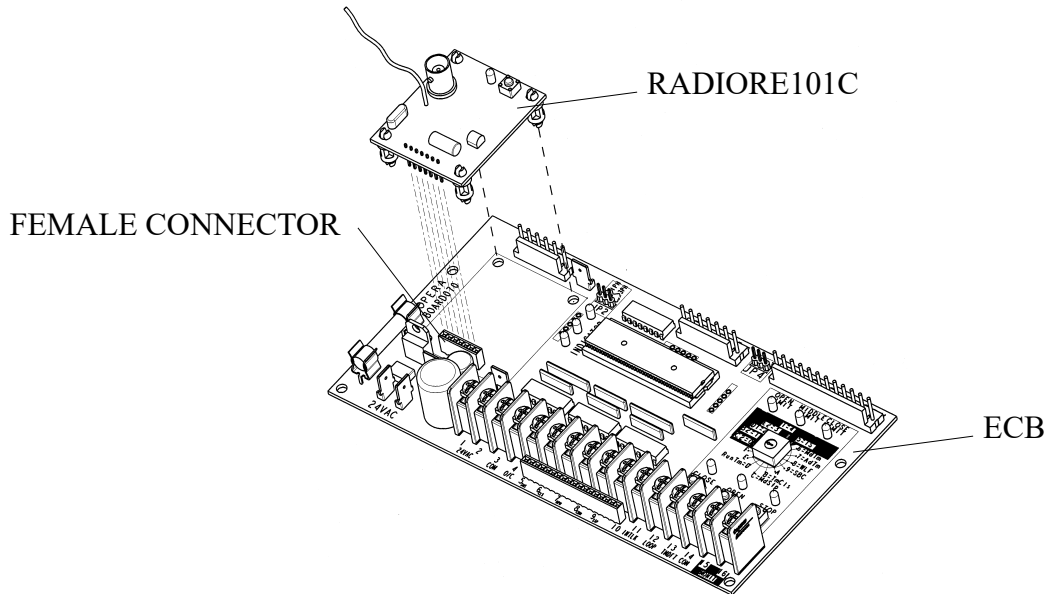
### Components



### 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.

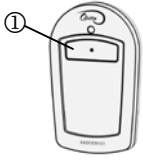
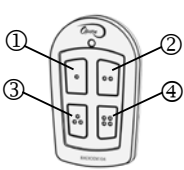
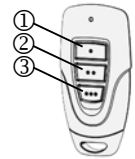


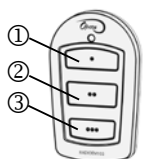




### Programming Instructions

| To MATCH a Transmitter to the Receiver   | To DELETE ALL Transmitters from the Receiver memory  |
|--|--|
| <ol style="list-style-type: none"> <li>1.HOLD the Receiver's <b>LEARN</b> button until the LED flashes (approx. 2 sec.) (frequency of 1 sec. ON / 1 sec. OFF).</li> <li>2.HOLD any button on the Transmitter until the Receiver's LED stops flashing.</li> </ol> | <ol style="list-style-type: none"> <li>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).</li> </ol> |


### ➤ 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<br/>1-Button Transmitter <sup>(1)</sup></b></p> <p>1. OPEN / STOP / CLOSE → Only Button</p>  | <p>No initial programming is required.<br/>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<br/>4 x 1-Button Transmitter <sup>(1)</sup></b></p> <p>1. DOOR #1 → Top Left Button<br/>2. DOOR #2 → Top Right Button<br/>3. DOOR #3 → Bottom Left Button<br/>4. DOOR #4 → Bottom Right Button</p> <p><sup>(1)</sup> Each button acts separately as a 1-Button Transmitter.<br/><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<br/>Mini Key Chain</b></p>                            | <p><b>1-Door<br/>3-Button Transmitter<br/>(Factory default for RADIOEM103SD)</b></p> <p>1. OPEN → Top Button<br/>2. CLOSE → Middle Button<br/>3. STOP → Bottom Button</p>   | <p>1. Press and HOLD <b>Buttons ① and ③</b> for <b>5 sec.</b><br/>The <b>RED LED</b> will  <b>BLINK</b>.<br/>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.<br/>Programming is now complete.</p> |
|  <p><b>RADIOEM103<br/>Single Door (SD) /<br/>Multiple Door (MD)</b></p> | <p><b>3-Door<br/>3 x 1-Button Transmitter <sup>(1)</sup><br/>(Factory default for RADIOEM102 &amp;<br/>RADIOEM103MD)</b></p> <p>1. DOOR #1 → Top Button<br/>2. DOOR #2 → Middle Button<br/>3. DOOR #3 → Bottom Button</p> <p><sup>(1)</sup> Each button acts separately as a 1-Button Transmitter.<br/><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><br/>The <b>RED LED</b> will  <b>BLINK</b>.<br/>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.<br/>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)<br/>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<br>(On operator's ECB)  |
|--|---|---|
| <b>Commercial Sequence - 1-Button</b>  | <p><b>OPEN / CLOSE → Button</b></p> <p><b>Door is CLOSED:</b><br/>- Click Button → Door OPENS FULLY</p> <p><b>During UPWARD Travel:</b><br/>- Click Button → Nothing happens</p> <p><b>Door is OPENED:</b><br/>- Click Button → Door CLOSES FULLY</p> <p><b>During DOWNWARD Travel:</b><br/>- Click Button → Door reverses and OPENS FULLY</p> <p><b>Door is STOPPED:</b><br/>- 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><br/>- Click Button → Door OPENS</p> <p><b>During UPWARD Travel:</b><br/>- Click Button → Door STOPS</p> <p><b>Door is STOPPED:</b><br/>- Click Button → Door CLOSES</p> <p><b>During DOWNWARD Travel:</b><br/>- Click Button → Door STOPS</p> <p><b>Door is STOPPED:</b><br/>- 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**.