MegaCode Series
SMDRG
DIGITAL GATE RECEIVER

Installation Instructions

DESCRIPTION
The MegaCode series of digital receivers are wireless radio controls designed for use with automatic gate openers or garage door operators. The MegaCode radio format provides unparalleled security. The transmitter and receiver can be programmed to more than a million different codes.

MegaCode receivers and transmitters do not contain a typical "coding switch". Each transmitter is pre-set at the factory to a unique code. The receiver is programmed by sending a signal to it from the transmitter(s) that are going to be used with it. This stores the transmitters code into the receiver's memory. The receiver will retain its memory even without power. The receiver will activate only from these "memorized" transmitters. Each MegaCode receiver can remember a maximum of 40 transmitters.

Receivers are normally powered with 24 volts AC/DC from the gate operator. The SMDRG has a built-in type "F" connector and is supplied with a 9 inch local antenna. The Linear EXA-GP or EXA-2000 Remote Antenna may be used to enhance the operational range of the SMDRG.

STEP 1A SMDRG Three-terminal Operator Installation. Hold receiver up to back of operator. (Refer to the gate operator or garage door operator manual for specific wiring instructions.) Connect Terminals 1, 2 & 3 on the receiver to Terminals 1, 2 & 3 on the operator. Operator power supply output must be 24V.

STEP 2 Optional Receiver Mounting Bracket. If the receiver isn't going to be mounted directly to the operator terminals, an optional mounting bracket is supplied. It can be installed three ways onto the SMDRG case. Screw the bracket to a wall or stud and snap the receiver onto it.

STEP 3 Installing the antenna. Attach the local antenna by screwing it onto the "F" connector.

STEP 4 SMDRG Program button and LED Location. Locate the program button and LED on the side of the receiver case.

STEP 5 Program receiver. Momentarily press the receiver's program button. The red programming LED will light if there's room in the receiver's memory for another transmitter (40 maximum per receiver). The LED stays on for about 5 seconds. A transmitter must be entered while the LED is on. Press the desired transmitter button. The LED will flicker indicating that the receiver has accepted the transmitter.

- NOTE: Be sure to press the receiver program button for less than 2 seconds.
- WARNING! Operator will not activate when the receiver is being programmed from the transmitter, but the gate operator will activate the next time the transmitter is activated after programming.
- NOTE: The programming LED also monitors radio signals entering the receiver. It is common to see an occasional blink from the LED. The LED will also light when any transmitter tuned to the receiver's frequency (programmed into the receiver or not) is activated.
**STEP 5**
Add additional transmitters. Repeat Step 5 for each transmitter used with this receiver. Be sure to press the receiver’s program button each time a new transmitter or a different transmitter button on a multi-button transmitter is pressed. If the LED doesn’t come on when the receiver’s program button is pressed, the receiver’s memory is full (40 transmitters total). Use the erase function (Info 1) to remove ALL previously learned transmitters from the receiver’s memory.

**STEP 6**
Press program button first with multi-button transmitters press the desired button

**STEP 7**
Press program button for three seconds then release

**STEP 8**
Test receiver. Be sure gate area is clear. Activate each transmitter. The receiver relay should click and the operator should activate. Wait 1 second between each activation.

**INFO 1**
Erasing receiver memory. Transmitters may be erased from the receiver’s memory by pressing and holding the receiver’s program button for 5 seconds or more. After the LED blinks (count of transmitters) it will blink one more time as the receiver’s memory is erased. All transmitters are erased at the same time.

**INFO 2**
Mounting the Remote Antenna. Attach antenna to post as shown or refer to antenna instructions for other options.

**TRANSMITTER COMPATIBILITY TABLE**

<table>
<thead>
<tr>
<th>PART NUMBER</th>
<th>MODEL NUMBER</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACP00285</td>
<td>ACT-2/B</td>
<td>SINGLE CHANNEL</td>
</tr>
<tr>
<td>ACP00316</td>
<td>ACT-2/B</td>
<td>TWO CHANNEL</td>
</tr>
<tr>
<td>ACP00782/77</td>
<td>MT-1/M-1/B</td>
<td>SINGLE CHANNEL</td>
</tr>
<tr>
<td>ACP00792/78</td>
<td>MT-1/M-1/B</td>
<td>TWO CHANNEL</td>
</tr>
<tr>
<td>ACP00872</td>
<td>ACT-3/B</td>
<td>SINGLE CHANNEL</td>
</tr>
<tr>
<td>UN10820A</td>
<td>WO1-1/M-1/B</td>
<td>SINGLE CHANNEL</td>
</tr>
<tr>
<td>UN10830A</td>
<td>WO1-3/M-3/B</td>
<td>TWO CHANNEL</td>
</tr>
<tr>
<td>UN10850A</td>
<td>WO1-4/M-4/B</td>
<td>FOUR CHANNEL</td>
</tr>
<tr>
<td>UN10880A/ACP0078</td>
<td>WO1/EXP</td>
<td>KEYPAD TRANSMITTER</td>
</tr>
<tr>
<td>UN10890A/ACP0079</td>
<td>WO1/EXP</td>
<td>TWO CHANNEL</td>
</tr>
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**LIMITED WARRANTY**

This product is warranted to the consumer against defects in material and workmanship for one year from the date of purchase. This warranty applies to first retail buyers of new devices. Warrantor will repair, or at its option, replace, any device it finds that requires service under this warranty, and will return the repaired or replaced device to the consumer at the warrantor’s cost. For warranty service and shipping instructions, contact warrantor at the address shown below. Devices must be sent to warrantor for service at owner’s expense. The remedies provided by this warranty are exclusive. Implied warranties under state law are to the one year period of this written warranty. Some states do not allow limitations on how long an implied warranty lasts, so the above limitation may not apply to you. In order to be protected by this warranty, save your proof of purchase and send copy with equipment should repair be required. This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

All products returned for warranty service require a Return Product Authorization Number (RPA#). Contact Linear Technical Services at 1-800-421-1587 for an RPA# and other important details.

**IMPORTANT !!!**

Linear radio controls provide a reliable communications link and fill an important need in portable wireless signaling. However, there are some limitations which must be observed:

- For U.S. installations only: The radios are required to comply with FCC Rules and Regulations as Part 15 devices. As such, they have limited transmitter power and therefore limited range.
- A receiver cannot respond to more than one transmitted signal at a time.
- Infrequently used radio links should be tested regularly to protect against electrical noise sources. Move the receiver away from the noise source or call technical services for assistance.

**WARNING**

STAY CLEAR OF OBSTRUCTIONS

- Be sure gate area is clear before activating.

- LED will flash, counting the total number of transmitters programmed.

- If the LED doesn’t come on when the receiver’s program button is pressed, the receiver’s memory is full (40 transmitters total).

- NOTE: Don’t hold down the programming button longer than 5 seconds, the receiver’s memory for that channel will be erased (Info 1).

- Mounting the Remote Antenna.

<table>
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