



Installation Instructions for Garage Door and Gate Operator Radio Controls Models MC4210T, MC4220T, MC1001R



Proper installation of your radio controls will assure years of trouble-free operation

**READ THE FOLLOWING INSTRUCTIONS THOROUGHLY
BEFORE STARTING INSTALLATION**

Your new radio controls are designed to remotely operate garage door and gate openers. The 10-position code switch permits the user to select one of a combination of 1024 possible code combinations. The radio frequency of the remote controls is fixed and tuned at the factory. RF adjustments are not required and should not be attempted by the end user.

Setting Your Personal Code

Before the radio controls can be used the code switches must be set in the transmitter and receiver. Remove the cover from the transmitter by removing the screw on the back of the transmitter case and lifting the cover off of the back of the case. Use a pen, paper clip or small screwdriver to change the switches to the desired code. Any combination of “ON” or “OFF” may be used but avoid using the factory preset code, all switches “ON” or all switches “OFF”. The **two-button** transmitter is designed operate two receivers. To set the codes, match the first nine switch settings in the transmitter and both receivers. For the receiver operated by the left-button, set the 10th switch in the receiver to “OFF”. For the receiver operated by the right-button, set the 10th switch in the receiver to “ON”. The 10th switch in the transmitter must be “OFF”.

IMPORTANT

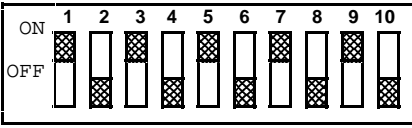
The EXACT SAME CODE must be set on both the transmitter and receiver. If just one switch is mismatched the controls will not function.



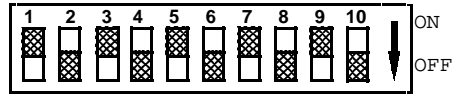
WARNING! Keep transmitters and remote controls out of the reach of children. Do not let children play with or use the transmitter or remote controls. When carrying your transmitter on your person in a purse or bag or backpack, make sure the transmitter button does not come in contact with other objects that could accidentally activate the transmitter.



Challenger MC Transmitters and MC Receivers are compatible with HomeLink®.



10-Position DIP Switch in Receiver



10-Position DIP Switch in Transmitter

Installing Your Receiver

The receiver is designed to be installed in a variety of ways depending on the type of operator and the application. If standard hook-up is not desirable or possible, accessories such as three wire adapter sets and transformer adapter kits may be used. For a standard installation, to mount the receiver loosen the three terminal screws on the operator. Next align the receiver lugs to the matching terminal screws and slide the terminals under the screws. Tighten the terminal screws and make sure any wires for pushbuttons and accessories are still properly attached to the operator's terminal strip. After installation, fully extend the antenna into a vertical position. For better operation keep the antenna as far as possible from any metal surfaces.



WARNING

Disconnect power before any installation or repair. Follow all instructions provided by the manufacturer of your operator.

DO NOT CUT OR CHANGE THE LENGTH OF THE ANTENNA

Installing the Transmitter

The transmitter is supplied with a metal clip which may be used to attach the unit to a sun visor. If the clip is used, slide it into the recess provided on the back of the transmitter case until the dimples on the case fit into the small holes in the clip. If the transmitter is installed in a pocket in your car, follow all the manufacturer's instructions. Improper installation may cause intermittent transmitter operation which can result in unexpected door operations.



WARNING

Unexpected door operations can cause personal injury or property damage.

Adding Transmitters

If additional transmitters are desired just match the code switch in the new transmitter to the code switch in the existing transmitter.



WARNING

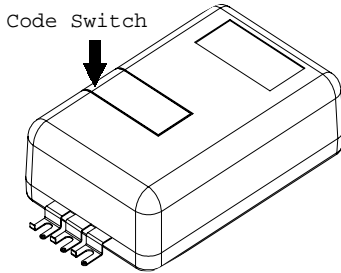
Radio Controls are prohibited from providing constant contact closure when installed on the push button inputs of residential garage door openers that are provided with monitored safety systems.



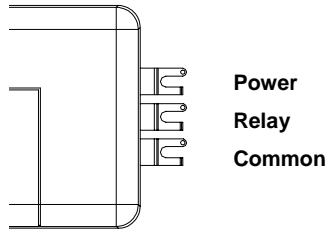
Single Button Transmitter



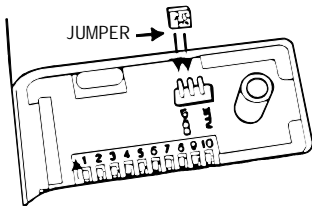
Two Button Transmitter



Single Channel Receiver



Receiver Terminal Connections



Receiver Output

Receivers are shipped with the pulsed output mode of operation enabled. To allow constant contact closure reposition the jumper located near the 10 position code switch of the receiver as illustrated.

Radio Control Compatibility

The MC4210T, MC4220T and MC1001R are designed to be compatible with MULTI-CODE radio controls. Transmitters and receivers may be used interchangeably with the MULTI-CODE model 1090 receivers and model 3089 transmitters. The MC transmitters and receivers are also compatible with the HomeLink® System.

Transmitter Battery Replacement

The transmitter is supplied with a standard 12-volt battery which is installed at the factory. After approximately one year the battery may need to be replaced. Replacement may be indicated by reduced distance or intermittent operation. The battery is located under the transmitter cover. To replace the battery remove the cover and carefully remove the battery. Put the new battery in place observing polarity and replace the cover.

*MULTI-CODE is a brand name of Linear® Corporation.

*HomeLink® is a registered trade mark of Johnson Controls, Inc.

Operational Check

After installing your receiver and transmitter, check the operation of your radio controls by moving approximately 35 feet back from the garage door, then press the transmitter button. Operation at this distance should be reliable. However, environmental conditions and the location of the transmitter and receiver will affect distance.

- If the transmitter doesn't activate the operator check the coding switches on both the transmitter and receiver. The code switches setting must match **exactly**.
- If the distance is inadequate check the battery and replace if necessary.
- To maximize the operating distance move the transmitter to different locations in the car until a satisfactory distance is achieved. Vanity mirrors on sun visors will affect performance.
- If the receiver is in the proximity of a metal beam or other obstruction it may be necessary to relocate the receiver to increase the operating range.
- If multiple receivers are mounted closer than 15 feet, blocking and interference may occur. Move the receivers farther apart.
- If system does not work at any distance, check that the receiver terminals are connected to the proper operator terminals.
- If the HomeLink® transmitter does not activate the operator or distance is inadequate, verify proper operation using the MC hand-held transmitter. Contact your HomeLink®

Manufacturer's Limited Warranty

Allstar warrants its radio controls to be free from defect in material and workmanship for a period of one (1) year from the date of purchase. To obtain service, contact your dealer.

To obtain service under this warranty the buyer must obtain authorization instructions for the return of any goods from Allstar before returning the goods. The goods must be returned with complete identification, with copy of proof-of-purchase, freight prepaid and in accordance with Allstar's instructions or they will not be accepted. In no event will Allstar be responsible for goods returned without proper authorization or identification.

Goods returned to Allstar for warranty repair within the warranty period, which upon receipt by Allstar are confirmed to be defective and covered by this limited warranty, will be repaired or replaced at Allstar's sole option, at no cost and returned pre-paid. Defective parts will be repaired or replaced with new or factory rebuilt parts at Allstar's sole option.

This limited warranty does not cover non-defect damage, damage caused by unreasonable use, damage caused by improper installation or care, vandalism or lightning, fire or excessive heat, flood or other acts of God (including, but not limited to misuse, abuse or alterations, failure to provide reasonable and necessary maintenance), labor charges for dismantling or reinstalling a repaired or replaced unit, or replacement batteries.

These warranties are in lieu of all other warranties, either expressed or implied. All implied warranties of merchantability and/or fitness for a particular purpose are hereby disclaimed and excluded. Under no circumstances shall Allstar be liable for consequential, incidental or special damages arising in connection with the use or inability to use this product. In no event shall Allstar's liability for breach of warranty, breach of contract, negligence or strict liability exceed the cost of the product covered hereby. No person is authorized to assume for Allstar any other liability in connection with the sale of this product.

This warranty gives you specific legal rights. You may also have other rights which vary from state to state. Warranty effective after July 1, 2001.