



# MegaCode Gate Receivers Models MGR; MGR-2

- Uses Linear's popular MegaCode format.
- 12-24 Volts AC or DC.
- Auto voltage sensing — no jumpers to set.
- Single relay and two relay models.
- Supplied with whip antenna, three feet of coaxial cable, and bulkhead connector.

The MGR and the MGR-2 are two auto sensing MegaCode format gate receivers from Linear. They eliminate any chance of damage to either the gate operator or themselves from running off the wrong voltage. Nearly all gate operators offer either 24 or 12 volts AC or DC as accessory power. Because the MGR and MGR-2 are auto sensing, each receiver recognizes the gate operator's correct voltage. As a result, installers can be assured of always having the correct model gate receiver on the truck.

The two receivers can operate from 12-30 volts AC or 10.5-30 volts DC and are normally powered from the gate operator. Their relay contact(s) are rated at 5 amps @ 30 volts AC/DC.

Linear's MegaCode is a popular radio format for gate receivers, making the MGR and the MGR-2 compatible with all MegaCode transmitters, including two and four-channel models and wireless keypads. MegaCode uses a frequency of 318 MHz and features over one million radio codes to all but eliminate any possibility of code duplication. It offers simplified programming via the receiver's learn mode.

The MGR has a single relay and replaces the MDRG Linear gate receiver. It is designed for use with automatic gate operators or systems where a remote antenna is needed. The MGR-2 comes with two relays. It will operate two gates, one gate and an obstacle sensor, or two obstacle sensors. Both models come with a 9-inch local antenna, three feet of 75 ohm coaxial cable, and a bulkhead connector for locating the antenna outside the gate operator enclosure.



# General Specifications

## RF

318 MHz +/- 250 KHz; Linear MegaCode format supports over one million factory preset codes

MGR and MGR-2 stores up to 40 transmitter codes

## OUTPUTS

Relay(s): MGR = 1CH and MGR-2 =2 CH; each relay is a Form C relay (NC connection available on PCB) rated at 30 V AC/DC up to 5 Amps; relay closure is approximately 3/8 of a second upon activation

## INPUTS

Antenna: 75 Ohm F connector

## POWER

12 - 30 VAC or 10.5 - 30 VDC; 25 mA nominal, 61 mA maximum while relay is triggered

## OPERATING TEMPERATURE

-4°F to +140°F (-20°C to +60°C)

## DIMENSIONS

3.625 in W x 5.25 in H x 1.5 in D (92 x 133 x 38 mm)

## ELECTRICAL CONNECTIONS

36" 22AWG wires on removable connectors:

Power: red and black wires

CH1 Relay: 2 gray wires

CH2 Relay: 2 yellow wires

## STANDARD EQUIPMENT

MGR & MGR-2; 9.5" whip antenna, 3 ft coaxial cable, bulkhead connector, mounting hardware

## REGULATORY

FCC Part 15

The logo for Linear Corporation, featuring the word "Linear" in a bold, blue, sans-serif font with a registered trademark symbol (®) to the upper right of the letter 'r'.

2055 Corte Del Nogal, Carlsbad, CA 92011  
(760) 438-7000 (800) 421-1587 Fax (800) 468-1340  
[www.linearcorp.com](http://www.linearcorp.com)