



centered, 0.375" from top

0.75" drill hole

# GATE OPENER PLANNING GUIDE



**NOTE:** If you have a slide gate, or if your gate is **LONGER THAN 18'** or **WEIGHS MORE THAN 850 lbs** per leaf, ask your retailer about special order professional gate openers **OR CALL 1-800-543-GATE**

## 1. Select the Gate Opener best suited for your application:

MODEL #	GATE TYPE	SMART CAPABLE	GATE LENGTH (PER LEAF)	WEIGHT (PER LEAF)	CAPACITY
MM571W	Single	Yes	UP TO 18'	UP TO 850 lbs	Heavy Duty
MM572W	Dual	Yes	UP TO 18'	UP TO 850 lbs	Heavy Duty
MM371W	Single	Yes	UP TO 16'	UP TO 550 lbs	Medium Duty
MM372W	Dual	Yes	UP TO 16'	UP TO 550 lbs	Medium Duty
MM271	Single	No	UP TO 12'	UP TO 300 lbs	Light Duty
MM272	Dual	No	UP TO 12'	UP TO 300 lbs	Light Duty

Control and monitor your smart capable gate from anywhere with the Mighty Mule smartphone app and the MMS100 Wireless Connectivity System (sold separately).

## 2. How will you control the Gate?

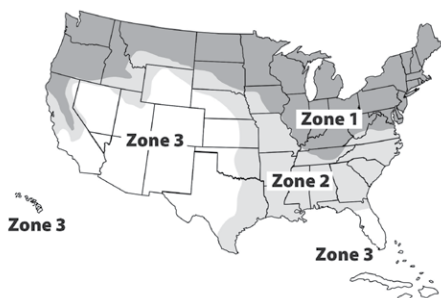
Mighty Mule has two types of Gate Openers. Our Automatic Gate Openers provide fast, quiet gate opening and closure from the comfort of your vehicle and the Mighty Mule Remote Transmitter.

Our new line of Smart Gate Openers offer the same features as our Automatic Gate Openers, plus the ability to control and monitor your gate from anywhere with the Mighty Mule smartphone app and the MMS100 Wireless Connectivity System (sold separately).



## 3. How will you charge the battery: TRANSFORMER or SOLAR POWER?

All Mighty Mule gate openers are low voltage systems, powered by a 12 Volt battery back-up system. The battery can be charged and maintained with the included transformer **OR** with optional FM123 10-Watt Solar Power Kit. If your gate is more than 1000 ft. from an AC power source you must use solar power to charge the battery. See the **CYCLES PER DAY** chart below to determine the number of Solar Power Kits needed for your application:



SINGLE GATE OPENERS CYCLES PER DAY					
	10W	15W	20W	25W	30W
<b>ZONE 1</b>	8	11	14	17	20
<b>ZONE 2</b>	16	20	28	36	44
<b>ZONE 3</b>	26	30	38	46	54
DUAL GATE OPENERS CYCLES PER DAY					
<b>ZONE 1</b>	4	7	10	13	16
<b>ZONE 2</b>	8	13	18	23	28
<b>ZONE 3</b>	13	20	27	34	41
<b>DUAL GATE OPENERS REQUIRE A MINIMUM OF 10 WATTS</b>					



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## 4. IMPORTANT installation considerations\*:

- Low Voltage Wire (RB509 or equivalent wire specifications) is REQUIRED for connecting the AC powered transformer to the control board. This 16 gauge, multi-stranded, dual conductor, direct burial wire is also required for some accessories such as the Solar Panel.
- A 12 Volt standard Auto/Tractor or Deep Cycle Marine Battery is REQUIRED for the MM271/272 and MM371W/372W. (Battery is included with the MM571W and MM572W models).
- If the gate opens AWAY from the property, the Push to Open Bracket (FM148) for each gate leaf is REQUIRED. Note: the MM271 and MM272 are NOT designed for Push to Open applications.
- Some types of gates may require the Gate Opener Attachment Bracket (G3210) or other reinforcements for attaching the operator (one for each leaf). See #5 below.  
*\*These items are not included with the gate opener kits.*

## 5. Convenience + Security Options:

Please refer to the Mighty Mule catalog or visit [MightyMule.com](http://MightyMule.com) for accessory details and requirements.

### Open Gate from Vehicle:

- Three-Button Entry Remote (MMT 103)
- Push Button Control (FM132)

### Securing Access:

- Wireless Digital Keypad (MMK200)
- Wireless Connectivity System (MMS100)
- Keypad Mounting Post (FM100)

### Hands-free Exiting:

- 50 Ft. Wired Driveway Vehicle Sensor (FM138)
- Wireless Vehicle Sensor (FM130)

### Securing the Gate:

- Automatic Gate Lock (FM143)
- Pin Lock (FM133)
- Wireless Driveway Alarm (FM231)
- Photo Beam Sensors (R4222)

### Powering:

- Low Voltage Wire (RB509)
- Solar Panel 10 Watt (FM123)
- Replacement Battery (FM150)
- Battery Heater (FM316)

### Hardware:

- Push to Open Bracket (FM148)

## 6. The Installation:

Most installations can be completed easily in two to three hours. Each system includes online installation videos and easy-to-read instructions. The Mighty Mule Openers are designed to be installed on new or existing driveway gates.

### YOUR GATE MUST BE:

- A.** Firmly hung on a well-seated fence post
- B.** Swing freely and evenly
- C.** Level and plumb, with no gate wheels

### ADDITIONAL CONSIDERATIONS:

- D.** Ball Bearing hinges for gate over 250 lbs.
- E.** Gate posts thicker than 8" will require longer bolts (should be 2" longer than post thickness)
- F.** Gate posts less than 4" will require large metal washers or steel plates for reinforcing both sides of gate post.
- G.** Masonry columns require special procedures (call 800-543-1236 for details)
- H.** Thin walled or panel gates may need reinforcement

### TOOLS YOU WILL NEED:

- Power Drill
- Phillips Screwdriver
- Wire Strippers
- Level
- Tape Measure
- 3/8" Drill Bit
- Hacksaw or Heavy Duty Bolt Cutters
- C-Clamps (small, medium AND large)
- Slotted (Flat Bladed) Screwdriver
- Open End Wrenches: 3/8", 7/16", 1/2", 9/16"

**SERVICE:** 1-800-543-GATE | **TECHNICAL SUPPORT:** 1-800-543-1236 | [www.MightyMule.com](http://www.MightyMule.com)