



# 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	<b>UP TO 18'</b>	<b>UP TO 850 lbs</b>	Heavy Duty
MM572W	Dual	Yes	<b>UP TO 18'</b>	<b>UP TO 850 lbs</b>	Heavy Duty
MM371W	Single	Yes	<b>UP TO 16'</b>	<b>UP TO 550 lbs</b>	Medium Duty
MM372W	Dual	Yes	<b>UP TO 16'</b>	<b>UP TO 550 lbs</b>	Medium Duty
MM271	Single	No	<b>UP TO 12'</b>	<b>UP TO 300 lbs</b>	Light Duty
MM272	Dual	No	<b>UP TO 12'</b>	<b>UP TO 300 lbs</b>	Light Duty
TS571W	Single	Yes	<b>UP TO 18'</b>	<b>UP TO 850 lbs</b>	Heavy 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?

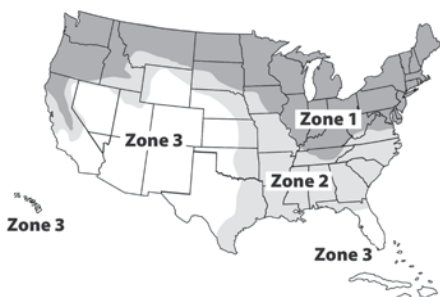
Mighty Mule Gate Openers offer multiple ways to open and close your Gate Opener. Our new line of select Smart capable Gate Openers offer the ability to control and monitor your gate from anywhere with the Mighty Mule app and the Wireless Connectivity System (part # MMS100 sold separately).

If you prefer to not add the Wireless Connectivity System the gate can be opened or closed with the included entry/exit remote (part # MMT103), For guest who entering your property may not have a entry/exit remote, a Mighty Mule Digital Keypad (part # MMK200) can be added to any Gate Opener.



## 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 part # FM123, 10 Watt Solar Panel 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>					
Up to 30 watts of solar panel power can be added to any Mighty Mule Gate Opener system.					



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## 4. Important installation considerations\*:

- A 12 Volt Automotive or Deep Cycle Marine battery that produces a minimum of 250 cold cranking amps and battery box is required for operation of gate opener model #'s MM271, MM272, MM371W, MM372W & TS571W. A Mighty Mule 12 volt 7 amp hour battery is included with the gate opener models MM571W & MM572W.
- Low Voltage Wire (part # RB509-100 or equivalent wire) is required for connecting the AC powered transformer to the control board. This 16 gauge, UV resistant, dual

conductor, direct burial wire is also required for some accessories such as the 10 Watt Solar Panel & wired Push Button Control (part # FM132).

- If your gate opens away from your property due to a sloping driveway, then the Push To Open Bracket (part # FM148) is required for proper operation. Dual gate openers require two Push To Open Brackets. Note: the MM271 & MM272 are not designed for Push To Open applications.

*\*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/Exit Remote (part # MMT103)
- Digital Keypad (part # MMK200)
- Wireless Connectivity System (part # MMS100)
- Push Button Control (part # FM132)

### Hands-free Exiting:

- Wired Vehicle Exiting Sensor (part #'s FM138, FM140 & FM140)
- Wireless Vehicle Sensor (part # FM130-SW)

### Securing the Gate:

- Automatic Gate Lock (part # FM143)
- Pin Lock (part # FM133)
- Photo Beam Sensors (part # R4222)

### Powering:

- 10 watt solar panel (part # FM123)
- Replacement Battery for MM571W & MM572W Gate Openers (part # FM150)
- Low Voltage wire (part # RB509-100)
- Battery Heater for installations in cold climates (part # 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)