

MAS/MAST

HIGH-TRAFFIC, HIGH-SPEED DC BARRIER GATE OPERATOR



**Ultra-Reliable, Durable,
Superior Performance**

LiftMaster® high-traffic, high-speed DC powered barrier gate operators with Battery Backup keep traffic flowing and provide easy in and out access 24 hours a day. Rated for 10,000 cycles per day with an opening time of only 0.9 seconds and constructed of corrosion resistant aluminum alloy, the Mega Arm Sprint / Mega Arm Sprint Tower are the ideal choice for high-traffic Parking applications. The product's Security+ 2.0® radio technology provides unparalleled reliability and quick, secure access.

Performance

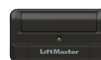
- **Battery Backup** safeguards your property by providing up to up to 900 cycles* when the power is down.
- **Breakaway Arm** can be easily reinstalled if arm is hit, quickly restoring traffic control.
- **Continuous Duty DC Motor** is powerful and features soft starting and stopping for quiet, efficient operation.
- **Heavy-Duty Drive System with Commercial Gearbox** provides reliable, continuous operation.
- **Magnetic Limit Sensors** have no moving parts and are designed for high-cycle applications, so there's less wear and tear and you're assured dependable operation day-in and day-out.
- **Sequenced Access Management** provides control between barrier and slide/swing gate operators to maximize traffic flow.
- **K1 Relay** provides output signals to activate other accessories or operators during open/close cycles.

Safety and Security

- **Security+ 2.0 Patented Multi-Frequency Secure Radio Technology** virtually eliminates interference and gives you quick and secure access with enhanced range and performance.
- **Fire Department Compliant** selectable settings allow gate to auto open upon loss of AC power or battery depletion.
- **Anti-Tailgate Feature** prevents unauthorized access to your property.
- **Built-in Surge Suppression** protects against high-voltage spikes and surges.

*Basic set up with remote controls programmed with a 8 ft. Barrier Arm. Does not include power draw from added accessories. LiftMaster low power draw accessories recommended to extend cycles on Battery Backup.

Optional Accessories:



1-Button Encrypted DIP Switch Remote Control (811LM)

Cost effective solution with Security+ 2.0 for applications requiring a large number of remote controls for a common entrance.



2-Button and 4-Button Learning Remote Controls (892LT/894LT)

Independent button programming with Security+ 2.0. Also compatible with Security+® 315MHz and 390MHz frequencies. Can clone existing DIP Switch Remote Controls.



Commercial Access Control Receiver (STAR1000)

Stand alone commercial receiver with Security+ 2.0 provides enhanced range and reliability. Holds up to 1,000 remote controls.



LiftMaster Loop Detector (LD7LP)

Automatic sensitivity settings for easy vehicle detection. Power efficient design ideal for battery backup.



Retro-Reflective Photo Eye (RETROAB)

Safeguards your property. Single-sided means no expensive trenching or wiring.

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FEATURES

DUAL-GATE OPERATION

Works in conjunction with another barrier gate operator.

BUILT-IN 110V CONVENIENCE OUTLET

Simplifies adding/powering up accessory devices. Save the expense of having to add an extra outlet.

UNIVERSAL CONTROLLER WITH 8 INPUTS

Allows for the connection of a full range of optional external devices.

RIGHT- OR LEFT-HANDED OPERATION

Provides flexibility to fit your application and ease of installation.

SLIP CLUTCH OPTION

Allows arm to be manually pushed open without damaging the shear pin. Arm automatically resets to normal closed position upon receiving activation.

850LM RADIO RECEIVER INCLUDED

Stores up to 90 remote controls.

WARRANTY

Two years parts.
Ten years frame.

SPECIFICATIONS

OPERATOR SPEED

0.9 seconds to open or close

POWER

120V / 220V applications

ACCESSORY POWER

24VDC 500 mA

OPERATOR WEIGHT (without arm)

MASDCBB3 – 89 lbs.
MASTDCBB3 – 113 lbs.

UL LISTED

UL 325 & UL 991 – Class I, II, III, IV

CONSTRUCTION

GEAR REDUCTION

60:1 reducer in synthetic oil bath

MOTOR

1/2 HP equivalent
Continuous-duty 24VDC / 800 RPM

CHASSIS

Powder coated 1/4 in. aluminum alloy

COVER

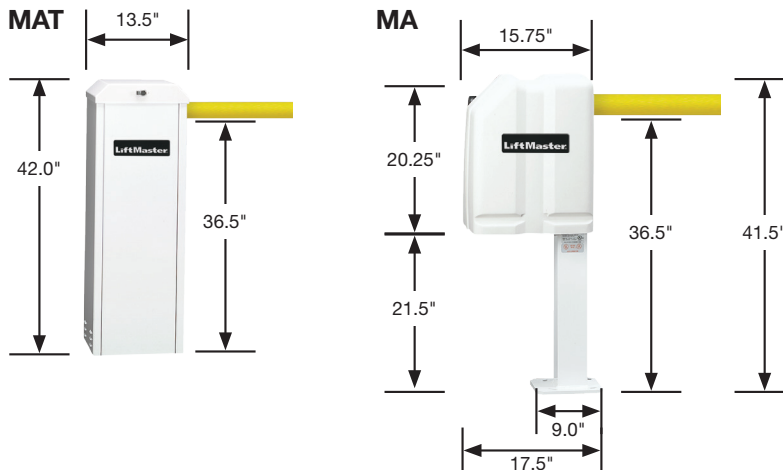
MAS – UV-resistant polyethylene
MAST – Full aluminum cabinet

RECOMMENDED CAPACITIES



HP	MAX. ARM LENGTH (ft.)	CYCLES/DAY
1/2	8 ft. aluminum arm with optional yellow padding	10,000

LiftMaster® gate operators comply with UL 325 standards. External entrapment devices must be added to meet UL 325 standards. Your installer will recommend suitable entrapment devices such as photoelectric sensors or edge sensors.

DIMENSIONS



ADDITIONAL ARM ACCESSORIES**

White Arm with:		
	White Only	Yellow Padding
Arm Length	Aluminum Arm	Aluminum Arm
8 ft.	SP8TUBE SP8* (6 ft. 3/4 in. installed)	SP8* (6 ft. 3/4 in. installed)

**All Arms shipped as single piece. Installer cuts down to meet site requirements.