



**STILL MADE IN THE USA WITH PRIDE  
AND COMMITMENT TO QUALITY**

*USAAutomatic is a manufacturer dedicated to setting the standard for 12-Volt DC Gate Operators by providing innovative design, high-quality products and superior customer service.*

## Patriot Swing Gate Operators

- Ornamental iron gates up to 16 ft and 800 lbs each leaf
- Farm gates up to 20 ft and 300 lbs each leaf
- Ranch and chain link gates up to 16 ft and 800 lbs each leaf
- Stainless steel and cast steel actuator construction
- Field replaceable actuator parts
- Long reach 24 inch stroke for increased leverage
- Opening speed 11 to 12 seconds
- Includes 1 set of Safety Photo Eyes and 2 Remotes
- Backed by a 3/5 warranty (3 Year Components / 5 Year Control Board)



Item Part Number	Item Description	Number of Boxes	Weight in lbs*
020015	Patriot 1 AC Charged Single Swing Operator - w/LCR	2	63
020035	Patriot 1 Solar Charged Single Swing Operator - w/LCR	2	67
020055	Patriot 2 AC Charged Dual Swing Operator - w/LCR	3	102
020075	Patriot 2 Solar Charged Dual Swing Operator - w/LCR	3	106

\*Weight includes Actuator Weight of 28lbs.

## Patriot RSL Slide Gate Operators

- Slide gates up to 32 ft in travel distance and 800 lbs.
- Opening speed 1 foot per second
- Includes 2 sets of Safety Photo Eyes and 2 Remotes
- 30' chain length included
- Backed by a 3/5 warranty (3 Year Components / 5 Year Control Board)



Item Part Number	Item Description	Number of Boxes	Weight in lbs
020410	Patriot RSL AC Charged Slide Gate Operator - w/LCR	2	102
020430	Patriot RSL Solar Charged Slide Gate Operator - w/LCR	2	104

## Ranger HD Swing Gate Operators

- Ornamental iron gates up to 16 ft and 800 lbs each leaf
- Farm gates up to 20 ft and 300 lbs each leaf
- Ranch and chain link gates up to 16 ft and 800 lbs each leaf
- Long reach 24 inch stroke for increased leverage
- Opening speed 11 to 12 seconds
- Standard Plastic Cabinet comes fully assembled
- Includes 1 set of Safety Photo Eyes and 2 Remotes
- Backed by a 3 year warranty



*Metal Cabinet Option*

Item Part Number	Item Description	Number of Boxes	Weight in lbs*
020516	Ranger HD 1 AC Charged Single Swing Operator - w/LCR	2	47
020520	Ranger HD 1 AC Charged Single Swing Operator - Metal Cabinet - w/LCR	2	61
020518	Ranger HD 1 Solar Charged Single Swing Operator - w/LCR	2	51
020522	Ranger HD 1 Solar Charged Single Swing Operator - Metal Cabinet - w/LCR	2	65
020517	Ranger HD 2 AC Charged Dual Swing Operator - w/LCR	3	84
020521	Ranger HD 2 AC Charged Dual Swing Operator - Metal Cabinet - w/LCR	3	97
020519	Ranger HD 2 Solar Charged Dual Swing Operator - w/LCR	3	88
020523	Ranger HD 2 Solar Charged Dual Swing Operator - Metal Cabinet - w/LCR	3	100

\*Weight includes Actuator Weight of 26lbs.

## Ranger 500 Swing Gate Operators

- Ornamental iron gates up to 13 ft and 400 lbs each leaf
- Farm gates up to 20 ft and 250 lbs each leaf
- Ranch gates up to 16 ft and 300 lbs each leaf
- 16 inch stroke
- Opening speed 18 to 20 seconds
- Plastic Cabinet comes fully assembled
- Includes 1 set of Safety Photo Eyes and 2 Remotes
- Backed by a 3 year warranty






Item Part Number	Item Description	Number of Boxes	Weight in lbs
020510	Ranger 500 1 AC Charged Single Swing Operator - w/LCR	1	33
020512	Ranger 500 1 Solar Charged Single Swing Operator - w/LCR	1	38
020511	Ranger 500 2 AC Charged Dual Swing Operator - w/LCR	1	51
020513	Ranger 500 2 Solar Charged Dual Swing Operator - w/LCR	1	55

## Radio Controls and Wireless Accessories

Item Part Number	Item Description	Weight in lbs
030200	 <p style="text-align: center;"><b>LCR Low Current Dual Channel Receiver 12 VDC</b> With 6 inch wire antenna Standard with plastic cabinets Solar Friendly Device</p>	.15
030205	 <p style="text-align: center;"><b>LCR Low Current Dual Channel Receiver 12 VDC</b> With Coax Connector Standard with metal cabinets and Patriot RSL Solar Friendly Device</p>	.15
030207	 <p style="text-align: center;"><b>12/24 VDC Universal Dual Channel Receiver</b></p>	.15
030223	 <p style="text-align: center;"><b>USAutomatic Nexx Gate Smart App WiFi Receiver</b> With Plug and Go harness and antenna</p>	1.0
030210	 <p style="text-align: center;"><b>LCR 2-Button Basic Transmitter</b> Standard dipswitch with visor clip</p>	.10
030212	 <p style="text-align: center;"><b>LCR 4-Button Basic Transmitter</b> Standard dipswitch with visor clip</p>	.10
030217	 <p style="text-align: center;"><b>LCR 2-Button Premium Transmitter</b> Fixed or clone programmable, visor clip, keychain eyelet, rubberized elastomeric face</p>	.10
030218	 <p style="text-align: center;"><b>LCR 4-Button Premium Transmitter</b> Fixed or clone programmable, visor clip, keychain eyelet, rubberized elastomeric face</p>	.10
050500	 <p style="text-align: center;"><b>LCR Basic Wireless Keypad</b> Up to 24 unique 2 to 5 digit access codes</p>	.60
050551	 <p style="text-align: center;"><b>LCR Premium Metal Wireless Keypad</b> Up to 256 unique 2 to 5 digit access codes and 256 temporary access codes</p>	1.4
030215	 <p style="text-align: center;"><b>LCR Wireless Push To Operate Button</b> Indoor or Outdoor</p>	.25
030009	 <p style="text-align: center;"><b>Coax Antenna Extension Kit</b> Includes bracket &amp; 12 feet coax</p>	.50

## Radio Controls and Wireless Accessories

Item Part Number	Item Description	Weight in lbs
030230	 <p><b>12 VDC LCR Receiver Kit</b> Includes LCR 030205 Dual Channel Receiver, antenna bracket, 12 feet coax and antenna Solar Friendly Device</p>	.75
030220	 <p><b>12 VDC LCR Receiver Package</b> Includes LCR 030205 Dual Channel Receiver, antenna bracket, 2 remotes, 12 feet coax and antenna Solar Friendly Device</p>	.95
030221	 <p><b>12/24 VDC Receiver Package</b> Includes 030207 Dual Channel Receiver, antenna bracket, 2 remotes, 12 feet coax and antenna</p>	.95


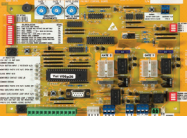
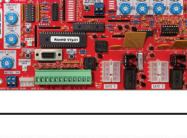
## Hardwired Accessories

Item Part Number	Item Description	Weight in lbs
050700	 <p><b>Premium Metal Hardwired Keypad</b> Up to 1000 permanent or temporary 2-5 digit access codes</p>	1.4
070510	 <p><b>Electric Gate Lock</b> Retracting pin type <i>Wire NOT included</i></p>	9.60
550011	 <p><b>Photo Eye Kit with Batteries 12/24 VDC</b> Wired receiver, wired or wireless transmitter <i>Wire NOT included</i></p>	1.80
550014	 <p><b>Metal Photo Eye Kit 12/24 VDC</b> Wired receiver and wired transmitter <i>Wire NOT included</i></p>	3.75
500015	 <p><b>USAutomatic Expansion Module</b> Allows up to 5 contact edges and 4 sets of photo eyes</p>	.75
550015	 <p><b>7 Day Timer for 12 VDC Systems</b> <i>Wire NOT included</i> Solar Friendly Device</p>	.20
070305	 <p><b>CP4 Free Exit Device</b> Solar Friendly Device</p>	5
630060	 <p><b>External Reset Button Assembly</b></p>	.02




Solar and AC Charging Accessories			
Item Part Number	Item Description		Weight in lbs
520001		<b>USA Automatic Battery Controller</b> AC or solar systems AC systems require 520009 - solar systems require either 520026 or 520030	.45
520009		<b>DC Adaptor</b> 20 VDC at 1.2 Amps	.45
520026		<b>10 Watt Solar Panel Kit</b> With 15 feet cable, bracket & plug	5.15
520030		<b>20 Watt Solar Panel Kit</b> With 15 feet cable, dual bracket & plug	8.85
520016		<b>Solar Panel Cable Extension 75'</b> With DC plug and spade terminals	1.65
630038		<b>Charge Cable Extension Pigtails</b>	.05
520000		<b>AC Charger Kit</b> With battery controller, harness & DC adapter	1.00
520002		<b>Solar Charger Kit</b> With battery controller, harness & 10 watt solar panel	6.70
520003		<b>Solar Charger Kit</b> With battery controller, harness & 20 watt solar panel	10.40

# Control Boards



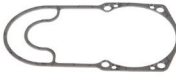
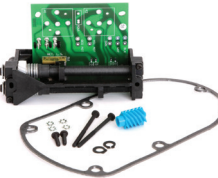
# CONTROL BOARDS

Item Part Number	Item Description	Weight in lbs
500016	 <p><b>Patriot Control Board - Green</b> Pre 2016 Slide or Swing Gate Operator 1 year warranty</p>	.95
500018	 <p><b>Patriot Control Board - Red</b> Swing Gate Operator - 1 monitored device required 5 year warranty</p>	.95
500017	 <p><b>Patriot RSL Control Board - Yellow</b> Slide Gate Operator - for motor with 2 conductor cable 2 monitored devices required 1 year warranty</p>	.95
500026	 <p><b>Patriot RSL Control Board - Yellow</b> Slide Gate Operator - for motor with 4 conductor cable 2 monitored devices required 5 year warranty</p>	.95
500027	 <p><b>Ranger HD Control Board - Red</b> Swing Gate Operator, 1 monitored device required 3 year warranty</p>	.70
500028	 <p><b>Ranger 500 Control Board - Blue</b> Swing Gate Operator, 1 monitored device required 3 year warranty</p>	.70
	 <p><b>Control Board Repair</b> 90 day warranty</p>	NA

## Actuators

Item Part Number	Item Description	Weight in lbs
510001	 <p style="text-align: center;"><b>Patriot Actuator</b> Complete with 8 foot cable harness 24 inch stroke</p>	28
510006	 <p style="text-align: center;"><b>Ranger HD Actuator</b> Complete with 8 foot cable harness 24 inch stroke</p>	25.76
510310	 <p style="text-align: center;"><b>Ranger 500 Actuator</b> Complete with 8 foot cable harness 16 inch stroke</p>	12.46





## Actuator Parts

Item Part Number	Item Description	Weight in lbs
510010	 <p style="text-align: center;"><b>Patriot Actuator Acme Screw Assembly</b></p>	6.35
510020	 <p style="text-align: center;"><b>Patriot Actuator Stainless Steel Cover Tube Assembly</b></p>	3.95
510101	 <p style="text-align: center;"><b>Patriot Actuator Gasket</b> Rear cover</p>	.10
510100	 <p style="text-align: center;"><b>Patriot Actuator Gasket</b> Gear box inner gasket</p>	.10
510103	 <p style="text-align: center;"><b>Patriot Actuator Limit Switch Assembly</b></p>	.30









## Actuator Parts

Item Part Number	Item Description	Weight in lbs
630007	 <b>Patriot Actuator Wire Harness</b> Includes all connectors, 8 feet	.85
510105	 <b>Patriot Actuator Limit Shaft</b> <i>Gear NOT included</i>	.10
510102	 <b>Patriot Actuator Limit Nut</b>	.01
501105	 <b>Patriot Blue Limit Drive Gear</b>	.10
510107	 <b>Patriot Rubber Plug</b> For limit adjustment access hole	.10
510109	 <b>Patriot Actuator Motor</b>	3.00
510121	 <b>Ranger 500 Potentiometer and Gear Assembly</b>	.10
510125	 <b>Ranger 500 Seal for Cover Tube</b>	.02
510127	 <b>Ranger 500 Seal for Housing</b>	.01
510129	 <b>Ranger 500 O Ring 1/4" ID</b>	.001
510131	 <b>Ranger 500 Wire Harness</b> Includes all connectors, 8 feet	.85

Swing Gate Operator Parts			
Item Part Number	Item Description		Weight in lbs
610102		<b>Patriot &amp; Ranger HD Actuator Mounting Tube</b>	4.16
610101		<b>Patriot Actuator Mounting Tube</b> 2" x 2" x 17" old style	5.75
610420		<b>Ranger 500 Actuator Mounting Tube</b>	3.2
610425		<b>Actuator Support Bracket</b> <i>Mounting tube NOT included</i> All operators	1.98
610530		<b>Bronze Bushing</b> 2 required All operators	.04
620011		<b>Manual Release Clip</b> All operators	.02
530015		<b>Siren 12 VDC 105 db</b> All operators	.04
630041		<b>Quick Connect Plug and Go Harness</b> With 20 Amp Fuse All operators	.20






## Swing Gate Operator Parts





Item Part Number	Item Description	Weight in lbs
620114	 Patriot & Ranger HD Hardware Assembly Gate 1 <i>610102 NOT included</i>	3.65
620116	 Patriot & Ranger HD Hardware Assembly Gate 2 <i>610102 NOT included</i>	3.45
610107	 Patriot & Ranger HD Gate Bracket - 6 inch	.72
620010	 Patriot & Ranger HD Manual Release Pin Stainless steel, lockable	.41
610529	 Patriot & Ranger HD Actuator Nylon Washer 2 required	.01
620113	 Ranger 500 Hardware Assembly Gate 1 <i>610420 NOT included</i>	2.75
620119	 Ranger 500 Hardware Assembly Gate 2 <i>610420 NOT included</i>	2.65
620112	 Ranger 500 Bolt on Hardware Kit <i>Gate bracket NOT included (PN 610105)</i> <i>Not for use on HD Actuator</i>	7.0
610105	 Ranger 500 Gate Bracket - 2 inch	.34
610534	 Ranger 500 Manual Release Pin	.12
610528	 Ranger 500 Actuator Nylon Washer 2 required	.01

Slide Gate Operator Parts			
Item Part Number	Item Description		Weight in lbs
510202		<b>Patriot RSL Gear Motor</b> Complete with bracket - 4 conductor cable <i>Sprocket PN 580030 NOT included</i>	10.70
510201		<b>Patriot RSL Gear Motor</b> Complete with bracket - 2 conductor cable <i>Sprocket PN 580030 NOT included</i>	10.70
620130		<b>Patriot RSL Detail Hardware Assembly</b>	3.95
580060		<b>Patriot RSL Delron Idler Roller Assembly</b> Includes bearing, washer and bolt	.55
590050		<b>Patriot RSL Limit Switch</b>	.10
590070		<b>Patriot RSL Limit Switch Plate Assembly</b>	.20
620015		<b>Patriot RSL Limit Switch Plate Support Spring 1.25"</b>	.05
620060		<b>Patriot RSL Limit Switch Plate Standoff 1"</b>	.01
620025		<b>Patriot RSL Limit Switch Plate Cap Nut</b>	.01
590060		<b>Patriot RSL Limit Switch Plate Harness</b>	.20
590057		<b>Patriot RSL Limit Nut Kit</b>	.20
580040		<b>Patriot RSL 1" Pillow Block Bearing</b>	1.50














# Slide Gate Operator Parts

Item Part Number	Item Description	Weight in lbs
610201	 Patriot RSL Gate Drive Shaft	3.45
630100	 Patriot RSL Battery Controller Harness	.20
640010	 Patriot RSL #41 Gate Chain - 10'	4.53
640020	 Patriot RSL #41 Master Link	.1
640030	 Patriot RSL Gear Motor to Drive Sprocket #41 Chain - 18"	.67
580010	 Patriot RSL Sprocket 1" bore 13 teeth #41 chain	.35
580020	 Patriot RSL Sprocket 1" bore 21 teeth #41 chain	.50
580030	 Patriot RSL Sprocket 1/2" bore 13 teeth #41 chain	1.70
680010	 Patriot RSL Push-Pull Manual Release Knob <i>Disc NOT included</i>	.05
570010	 Patriot RSL Chain Bracket	1.65
570020	 Patriot RSL Chain Adjustment Bolt	.15
590030	 Patriot RSL Manual Release Cover With mounting screw	.50

Control Boxes / Covers / RSL Frames			
Item Part Number	Item Description		Weight in lbs
600020		<b>Patriot &amp; Ranger HD Metal Cabinet with Cover</b> With lock and 2 keys	15.35
602020		<b>Patriot &amp; Ranger HD Metal Cabinet Cover Only</b> With lock and 2 keys	3.96
020570		<b>Ranger (HD or 500) Plastic Control Box and Cover</b> Includes shelf	4.89
590020		<b>Patriot RSL Cover</b> With manual release access plate	11.76
590010		<b>Patriot RSL Frame</b>	36.40

Wire & Cable - Precut & Bulk			
Item Part Number	Item Description		Weight in lbs
630010		<b>7-Conductor Wire per Foot</b> 2-14 ga, 3-18 ga & 2-20 ga wires	.10
630015		<b>7-Conductor Wire 1000'</b> 2-14 ga, 3-18 ga & 2-20 ga wires	130
630020		<b>7-Conductor Wire 40'</b> 2-14 ga, 3-18 ga & 2-20 ga wires Standard with Ranger HD2 and Patriot 2	4.34
630036		<b>7-Conductor Wire 35'</b> 2-14 ga, 3-18 ga & 2-20 ga wires Standard with Ranger 500 2	3.90

## Miscellaneous Parts All Operators

Item Part Number	Item Description	Weight in lbs
600174	 Premium Wireless Metal Keypad Back Housing	.30
620007	 3/4" Plastic Standoff	.001
620008	 1" Plastic Hex Standoff	.001
600170	 Push Button Latch for Metal Cabinet Cover Comes with 2 keys	.07
600172	 Push Button Latch Keys for Metal Cabinet Cover Set of 2	.03
600173	 Key for Premium Keypad Sold Individually For wireless or hardwired keypads	.10
030208	 Antenna for Coax Connector	.10
520017	 Solar Panel Replacement Cable (15') With DC plug and spade terminals	1.00
620118	 Gate 2 Actuator Installation Kit Patriot/ Ranger HD/Ranger 500 With actuator mounting tube, support bracket, gate brackets 610107 and 610105, release pin, 40' cable and hardware	12.00
650025	 2" Hole Insert	.01
610512	 3/8" x 3" SAE Shoulder Bolt	.10
610516	 3/8" SAE Flat Washer	.10
610518	 3/8" SAE Nylon Insert Lock Nut	.10
610006	 Screwdriver Flat Blade	.02



# The USA Automatic Difference

## Unbeatable Customer Service

### Real People. Real Answers. Real Support.

*We answer our phones directly and provide quick and competent support.*

*Our warehouse is full of ready-made product enabling us to fulfill orders promptly.*

*We provide USA Automatic gate operator education for distributors and installers to help ensure success for both your company and ours.*



## Setting the Standard

### Innovation starts here

*Combining in-house R&D with over 30 years of innovation, we continue to lead the advancement of the access control industry.*

*Our control boards are micro-processor controlled, allowing us to offer new features and installation options quickly.*

*We thoroughly test all of our designs prior to market introduction to ensure the consistency and high quality you've come to trust.*



Family Owned



Made in the USA



Setting the Standard





A reputation for high quality products and superior customer service.

## Committed to Solar Power

### Solar focused from the start

*Not just to charge our gate operators, but to power our entire operation.*

*Our Lewisville, Texas facility is home to 271 solar panels, helping us dramatically reduce our CO<sub>2</sub> emissions and improving our sustainability.*

*We generate 78% of our electricity use through solar energy production.*



## Our Philosophy

### Since 1994

*We are proud to continue to be family run and made in America.*

*USAutomatic is built on honesty, integrity and equality in everything we do. This ensures our customers are treated equally and strengthens employee retention.*

*"What we do for one, we do for everyone."*



Superior Customer Service



Sustainability



UL325 Certification



[www.usautomatic.com](http://www.usautomatic.com)

972-221-7000

888-204-0174



Current tax codes may allow you to obtain a tax credit against the installed price of the USA Automatic Solar Gate Operator System and the cost of installation. It does not apply to the cost of the gate itself, or installation of the gate.

This Solar Tax Certificate may be submitted, along with the appropriate IRS form 5695 to qualify for the Residential Energy Efficiency Property Credit.

## **CERTIFICATION FOR SOLAR TAX CREDIT**

Manufacturer's Certification for credit for residential energy efficient property qualified under internal revenue code section 25D

**Name and Address of Manufacturer:**

USA Automatic, LLC  
170 Valley Ridge Blvd  
Lewisville, TX 75057

**Identification of Property:**

Solar Electric Property

**Make and Model Numbers of Property Qualifying for Credit:**

Patriot 1 Solar Charged Single Swing Operator - w/LCR (020035)  
Patriot 2 Solar Charged Dual Swing Operator - w/LCR (020075)  
Patriot RSL Solar Charged Slide Gate Operator - w/LCR (020430)  
Ranger HD 1 Solar Charged Single Swing Operator - w/LCR (020518)  
Ranger HD 1 Solar Charged Single Swing Operator - Metal Cabinet - w/LCR (020522)  
Ranger HD 2 Solar Charged Dual Swing Operator - w/LCR (020519)  
Ranger HD 2 Solar Charged Dual Swing Operator - Metal Cabinet - w/LCR (020523)  
Ranger 500 1 Solar Single Swing Operator - w/LCR (020512)  
Ranger 500 2 Solar Dual Swing Operator - w/LCR (020513)

**The tax credit for owners of new residential and commercial solar systems is:**

2016-2019: 30% of the cost of the system

2020-2021: 26% of the cost of the system

2022-2032: 30% of the cost of the system

*\* The rates shown above are subject to change by The United States Congress at any time.  
Please consult with your tax specialist prior to filing for your credit.*

Under penalties of perjury, I declare that I have examined this certification statement, and to the best of my knowledge and belief, the facts are true, correct, and complete. We are not providing tax consultation. Please refer to a qualified tax professional for more information.

Mike Storms  
President - USA Automatic



## WARRANTY\*

**USAutomatic LLC provides the following warranty from date of manufacture:**

- All operators shall be free from defects in materials for a period of 3 years
- Ranger 500 and Ranger HD control boards - current design – 3 year warranty
- Patriot and Patriot RSL control boards - current design – 5 year warranty
- Control boards - previous versions - 1 year warranty
- All accessories - 1 year warranty

This warranty excludes items that have been abused, misused, altered, incorrectly installed, damaged from battery acid, damaged by weather or other acts of God, or had lack of necessary maintenance. Changes or modifications not expressly approved by the Manufacturer will void the warranty.

This warranty is limited to the product only, no incidental or consequential damages are covered. Charges such as field labor and trip charges to inspect or reinstall a repaired or replaced unit are not covered. Replacement of battery is not covered. This warranty also does not cover any problems with the gate or gate hardware or any consequential damages to any surrounding area of the gates.

All warranted products will be repaired or replaced at the discretion of the Manufacturer. All required parts, shop labor, and return shipping to our customer will be provided free of charge (within the contiguous United States).

## SUPPORT

If you have operational questions, or are in need of warranty service, please contact our Support Department by email at [support@usautomatic.com](mailto:support@usautomatic.com) or call 972-221-7000 Monday through Friday (or toll free at 888-204-0174).

If your issue is not resolvable, our Service Department may request the product(s) be returned for warranty service. A Return Authorization Number (RA#) will be issued and you will be given instructions on how and where to return the product. Packages without an RA# written on the box may not be accepted.

### We will need the following information:

Model: \_\_\_\_\_ Serial Number\*\*: \_\_\_\_\_

Date of Purchase: \_\_\_\_/\_\_\_\_/\_\_\_\_ Purchased From: \_\_\_\_\_

\*You may have other rights based on your State. Please refer to State Law for specific inclusions and exclusions.

\*\*Serial Number can be found by opening operator cover and looking on the control board



*USA Automatic*



**SOLD THROUGH AUTHORIZED DISTRIBUTORS**

USA Automatic, LLC  
170 Valley Ridge Blvd  
Lewisville, Texas 75057

sales@usautomatic.com  
support@usautomatic.com

**972-221-7000 or 888-204-0174**



© USA Automatic, LLC, 2024  
PROUDLY MADE IN THE USA

[www.usautomatic.com](http://www.usautomatic.com)

