SHORT/CUTS Sprint Cale solar GATES JEł Install Manual

Est. Downee 1928

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Video instructions are on downee.com.au.

trouble shooting

Call our Tech Team

1800 241 733



kit parts



purchase separately



The cables which run between the motors aren't included. When measuring between gate posts, remember to add extra to go up the posts and past the motors.

- Driveway cable: figure-8 cable, 0.75mm2 4-core cable Conduit Conduit
- 4 to 6 conduit brackets (to hold conduit on gate posts)

Post Cap not supplied. Grab one to match the gate post Solar Panel is mounted on.



Bugs and insects in gate motors will cause problems. Use silicone to seal where cables enter the base of motor.



HIGHLY RECOMMENDED Automatic gates need hinges able to handle the motor's forces. Made in Australia for Sprint Gate.



Battery Box mounts not supplied. Two pieces of 25mm steel angle will work.

wiring



Run both the figure-8 & 4-core cables through the conduit.

TIPS

2

- If you have trouble feeding cables through the conduit use a drawer string or cable snake to pull them through.
- Don't trim cables or conduit until you connect them to motors.
- Include an extra cable for possible use in the future.

Dig a channel between the posts to lay the conduit.



No government regulations exist demanding a minimum depth for low voltage cable

motor



Frame



Mount the motor where the arm meets the gate stay. Next best option is the gate frame.

Adjust post bracket to fit gate post.

4

7

8



5 Mount post bracket as shown, with bottom edge on mark. (See previous page)



6 Remove motor's cover to find which motor has the electronic control board. The motor with the control board and solar panel are mounted on the same post.

Bolt both motors onto posts.

Attach arms to both motors and tighten. Arms are identical, flip them to suit both sides.

Play around to set the rotating bracket to the gate stay/frame.

Then attach it to arm pivot.





battery box



3 Open battery box to remove foam packing.

solar panel post



solar panel



gate stops

Uniock motor arm.

Close gate.

2 Place a stop where arm will sit against it when closed.



Key

3 Adjust stops

Adjust stops as needed, then tighten.

TIP

We strongly recommend physical stops in open & closed positions. They remove a lot of stresses from the motor. A piece of angle works just fine as a ground-stop.

We strongly recommend the use of a physical stop on both the open & close.

connect motors





Place fuse (inside Battery Box door) into fuse holder on the red power cable. The batteries are fully charged so it may spark. That's OK, 24V is completely safe.

Cover solar panel, connect black-red power cables to Solar Panel and Batteries. Motor's control board plus solar controller are now active. Controller may need to be turned on.

6

7

Cable tie the power cables against post.



trouble shooting Call our Tech Team **1800 241 733**

programming



- Gate will automatically open & close to search for gate stops. 5 Gate should finish in closed position.
- 6

3

4

The symbol for 'Gate Closed' shows when it's finished.



If 'Gate Open' symbol appears

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-	K=	-	ĸ	-	r –	•	L
	<u>L</u>		<u>.</u>				L
	_		_		_		L



& press OK. Change parameter to



connect aerial



3 Connect both ends of coaxial in aerial terminals.

4

Completely seal the grommet with silicone sealant.



connect remotes





2

1

Wait 10sec. for the



= second remote connected.

symbol to confirm memory process is complete.





set solar mode

1	Scroll to Ress OK
2	Change parameter to
3	Scroll back to
4	Test remote control.
	If gate works replace the both covers 'cos you're done!
NOTE	In solar mode, screen will turn off and blink once every 10sec

accessories

The standard Sprint Gate is operated with remote controls. Other accessories can quickly and easily be added to automate its open/close function such as visitor control and improved security.

However, more accessories will drain the batteries, so also consider upgrading your solar system to a larger panel or bigger battery bank.

For more information see Access Control in the products menu on our website.



*Not supplied with SOLAR-LITE

solar gates in winter

During colder months, solar gates in the southern parts of Australia may not get enough sun to fully charge batteries.

Homeowners may need to take simple steps to keep their solar powered gate working uninterrupted.

1. Adjust angle of the panel to maximise sun exposure.

2. At the start of autumn and winter, charge the batteries. This will stop batteries running flat, plus extend the life of the batteries.



solar angles



	Winter	Spring/ Autumn	Summer
Adelaide	32°	55°	78°
Albany	32°	55°	78°
Albury	30°	54°	78°
Alice Springs	42°	66°	90°
Armidale	36°	60°	84°
Ballarat	28°	52°	76°
Banora Point	38°	62°	86°
Bendigo	30°	53°	76°
Blacktown	32°	56°	80°
Brisbane	38°	62°	86°
Broken Hill	34°	58°	82°
Brunswick	28°	52°	76°
Buderim	40°	63°	86°
Bunbury	34°	57°	80°
Bundaberg	42°	65°	88°
Burnie	26°	49°	72°
Caboolture	40°	63°	86°
Carins	50°	73°	96°
Caloundra	40°	63°	86°
Canberra	32°	55°	78°
Canning Vale	34°	58°	82°
Carindale	38°	62°	86°
Caringbah	32°	56°	80°
Carlingford	32°	56°	80°
Castle Hill	32°	56°	80°
Cessnock	34°	57°	80°
City of Parramatta	32°	56°	80°
Coffs Harbour	36°	60°	84°
Craigieburn	28°	52°	76°
Cranbourne	28°	52°	76°
Cronulla	32°	56°	80°
Darwin	54°	78°	102°
Deception Bay	40°	63°	86°
Dee Why	32°	56°	80°
Devonport	26°	49°	72°
Dubbo	34°	58°	82°
Earlwood	32°	56°	80°
Echuca	30°	54°	78°
Engadine	32°	56°	80°

City	Winter	Spring/ Autumn	Summer	City	Winter	Spring/ Autumn	Summer
Epping	32°	56°	80°	Mount Isa	46°	69°	92°
Ferntree Gully	28°	52°	76°	Murray Bridge	32°	55°	78°
Forster	34°	58°	82°	Nerang	38°	62°	86°
Frankston East	28°	52°	76°	Newcastle	34°	57°	80°
Gawler	32°	55°	78°	North Shore	36°	59°	82°
Geelong	28°	52°	76°	Nowra	32°	55°	78°
Geraldton	38°	61°	84°	Orange	34°	57°	80°
Gladstone	42°	66°	90°	Palmerston	54°	78°	102°
Glenmore Park	32°	56°	80°	Paramatta	32°	56°	80°
Gold Coast	38°	62°	86°	Perth	34°	58°	82°
Gosnells	34°	58°	82°	Port Macquarie	36°	59°	82°
Goulburn	32°	55°	78°	Port Stephens	34°	57°	80°
Granville	32°	56°	80°	Quakers Hill	32°	56°	80°
Greensborough	28°	52°	76°	Queanbeyan	32°	55°	78°
Griffith	32°	56°	80°	Rainbow Beach	40°	64°	88°
Hobart	24°	47°	70°	Randwick	32°	56°	80°
Hoppers Crossing	28°	52°	76°	Rockhampton	44°	67°	90°
Hornsby	32°	56°	80°	Roebourne	46°	69°	92°
Jervis Bay Village	32°	55°	78°	Shepparton	30°	54°	78°
Kalgoorlie	36°	59°	82°	South Brisbane	38°	62°	86°
Katoomba	32°	56°	80°	South Grafton	36°	60°	84°
Kwinana	34°	58°	82°	Southport	38°	62°	86°
Launceston	26°	49°	72°	Sunbury	28°	52°	76°
Lismore	38°	61°	84°	Sunnybank	38°	62°	86°
Liverpool	32°	56°	80°	Surfers Paradise	38°	62°	86°
Logan City	38°	62°	86°	Sydney	32°	56°	80°
Mackay	46°	69°	92°	Tamworth	36°	59°	82°
Mandurah	34°	57°	80°	Taree	34°	58°	82°
Maroubra	32°	56°	80°	Toowoomba	38°	62°	86°
Marrickville	32°	56°	80°	Torquay	42°	65°	88°
Maryborough	40°	64°	88°	Townsville	48°	71°	94°
Melbourne	28°	52°	76°	Traralgon	28°	52°	76°
Melton	28°	52°	76°	Wagga Wagga	32°	55°	78°
Mildura	32°	56°	80°	Warrnambool	28°	52°	76°
Mooloolaba	40°	63°	86°	Whyalla	34°	57°	80°
Mornington	28°	52°	76°	Wodonga	30°	54°	78°
Morphett Vale	32°	55°	78°	Wollongong	32°	56°	80°
Mosman	32°	56°	80°		đ	Υ	1
Mount Gambier	28°	52°	76°				

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