



# PRODUCT GUIDE

## FLRSGX

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### TERMS OF USE

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# WELCOME

Congratulations on the purchase of your FLRSGX solution. You are now a few simple steps away from enjoying your new remote starter unit with enhanced features.

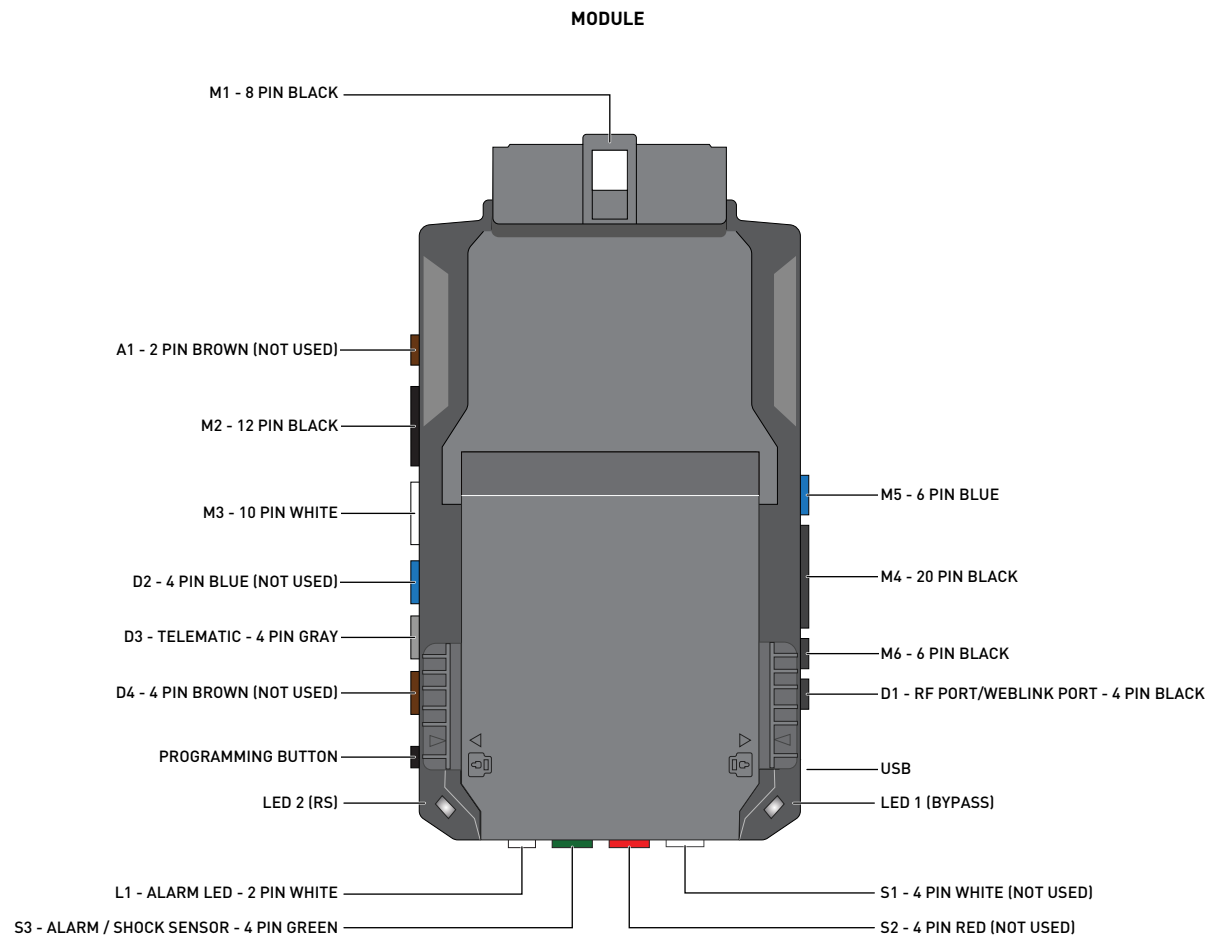
Before starting your installation, please ensure that your FLRSGX module is programmed with the correct firmware for your vehicle and that you carefully review the install guide.

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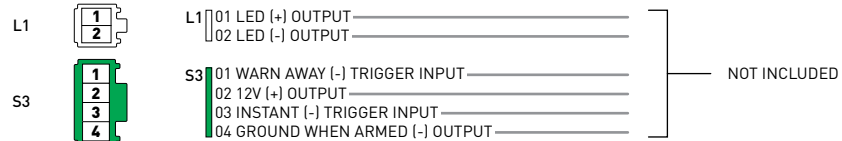
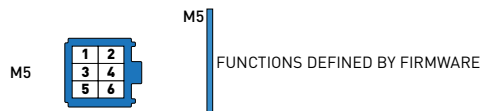
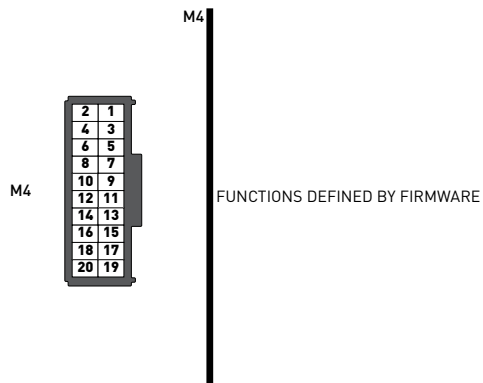
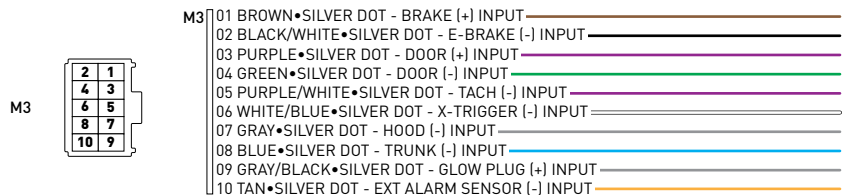
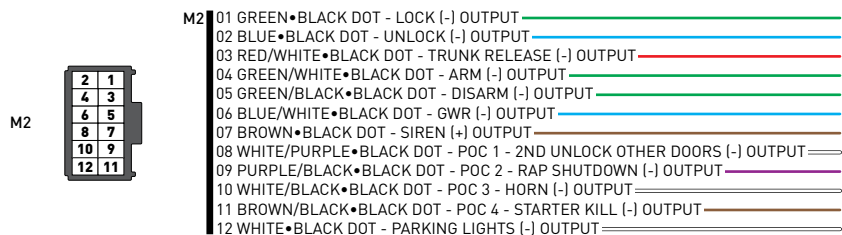
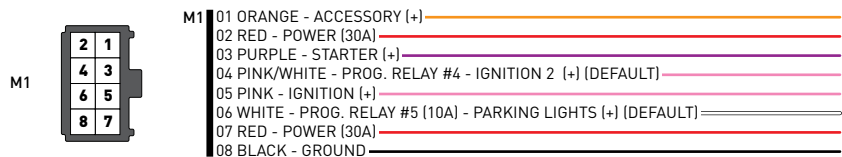
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MODULE CONNECTORS



CONNECTOR PINOUT



01



START vehicle for 15 seconds.

02



Press and hold the brake pedal.

03



Press and release the module's programming button. (OR if the remotes are already programmed to the vehicle, press and hold the start button of the remote for 2.5 seconds.)

04



Wait, LED 2 will flash GREEN. (See the Module Diagnostics page)

05

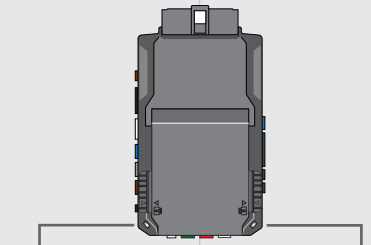


Release the brake pedal.

06



Module Programming Procedure completed.

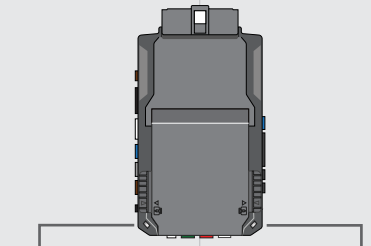
MODULE STATUS DURING:			LED STATUS	DIAGNOSTIC
	LED 2*	LED 1**		
MODULE PROGRAMMING		●	Flashing RED	Missing/wrong information from firmware or vehicle. See firmware specific diagnostics, or contact technical support.
		●	Solid RED	Module waiting for more vehicle information. Programming incomplete.
		●	Flashing GREEN	Additional steps required to complete programming. Refer to install guide.
		●	Solid GREEN then OFF	Module programming completed successfully.
		○	OFF	No activity or module already programmed.
	●		1 RED flash	No firmware on module. Connect to Weblink and flash device.
	●		2 ORANGE flashes	Contact technical support.
	●		3 ORANGE flashes	Module programming not completed.
	●		4 ORANGE flashes	Contact technical support.
	●		7 ORANGE flashes	Contact technical support.
	●		8 ORANGE flashes	Contact technical support.
	●		9 ORANGE flashes	Contact technical support.
	●		10 ORANGE flashes	Boot loader update failed. Contact technical support.
	●		11 ORANGE flashes	T-harness detection does not match install type selection in Weblink.
TACH PROGRAMMING	●		Solid RED	Tach learn in progress.
	●		1 GREEN flash	Tach signal programmed in analog.
	●		2 GREEN flashes	Tach signal programmed in data.
	●		3 RED flashes	No tach signal detected
	●		4 RED flashes	System is in valet mode. Turn off valet mode to program tach.
	●		6 RED flashes	Engine sensing set for 'assumed start'. No tach programming required.
	●		7 ORANGE flashes	Engine sensing not configured properly. Contact technical support.

\* LED 2 (RS) displays generic diagnostic codes specific to the remote start module. Orange LED flashes may appear red.

\*\* LED 1 (Bypass) displays diagnostic codes specific to the firmware loaded on the module.

Visit the programming diagnostics page for more information.



MODULE STATUS DURING:			LED STATUS	DIAGNOSTIC
	LED 2*	LED 1**		
REMOTE START SEQUENCE	●		Flashing rapid RED	Remote start shutdown sequence.
	●		Flashing slow RED	Remote start shutdown error code. Contact technical support.
	●		Solid RED	Remote start crank delay.
	●		Flashing rapid GREEN	Remote start cycle in progress. Working correctly.
	●		1 GREEN flash	Remote start initiated successfully.
	●		3 GREEN flashes	Idle mode cycle in progress.
	●		4 GREEN flashes	Turbo mode cycle in progress.
		●	Flashing GREEN	Remote start cycle in progress. Displays vehicle platform during runtime.
TRANSMITTER PROGRAMMING		●	Rapid GREEN flashing	Secure takeover initiated. Waiting to complete takeover after brake press.
	●		Solid RED	Remote programming in progress, waiting for remote pairing.
	●		1 GREEN flash	Remote programmed.
	●		4 RED flashes	Shutdown remote starter before attempting remote programming.
	●		5 RED flashes	Engine must be off before attempting remote programming.
	●		6 RED flashes	System must be unlocked/disarmed before attempting remote programming.
	●		7 RED flashes	Module must be learned to the vehicle before attempting remote programming.

\* LED 2 (RS) displays generic diagnostic codes specific to the remote start module. Orange LED flashes may appear red.  
 \*\* LED 1 (Bypass) displays diagnostic codes specific to the firmware loaded on the module.  
 Visit the programming diagnostics page for more information.



REMOTE STARTER ERROR CODES: NOTES	PARKING LIGHT FLASHES	DIAGNOSTIC
<p>I WARNING: The following applies only when the parking lights are connected and supported by the system.</p> <p>II After a remote starter failure, the parking lights will flash three [3x] times followed by the error code. See table.</p>	3 + 1	Tach is not programmed OR engine is already running.
	3 + 2	Key is in ignition ON position.
	3 + 3	Door is open.
	3 + 4	Trunk is open.
	3 + 5	Foot brake is ON.
	3 + 6	Hood is open.
	3 + 7	Loop is not cut.
	3 + 8	Vehicle failed to remote start.
	3 + 9	Vehicle movement detected (VSS).
	3 + 10	System is in Valet Mode.
	3 + 11	CAN communication failure
	3 + 12	RS not synchronized. Start vehicle with OEM key for 15 sec before trying a new RS sequence.
	3 + 13	Bypass problem.
	3 + 14	Idle mode or takeover is not available on this vehicle.
	3 + 15	Overheat protection.

REMOTE STARTER SHUTDOWN ERROR CODES: NOTES	PARKING LIGHT FLASHES	DIAGNOSTIC
<p>I WARNING: The following applies only when the parking lights are connected and supported by the system.</p> <p>II If the engine shuts down after a remote starter sequence use the query command from a compatible aftermarket remote to display the shutdown error code. The parking lights will flash four [4x] times followed by the error code. See table.</p>	4 + 1	Engine tach signal was lost.
	4 + 2	Emergency brake signal was lost.
	4 + 3	Foot brake ON detected.
	4 + 4	Hood open detected.
	4 + 5	Tach over rev detected.
	4 + 6	Glow plug timeout error.
	4 + 7	Vehicle movement detected (VSS).
	4 + 8	Check engine light ON.
	4 + 9	Low fuel level.
	4 + 10	Open door detected.
	4 + 11	CAN communication failure during RS sequence.
	4 + 12	RS not synchronized. Start vehicle with OEM key for 15 sec before trying a new RS sequence.
	4 + 13	Bypass problem.
	4 + 14	Idle mode or takeover is not available on this vehicle.
	4 + 15	Overheat protection.



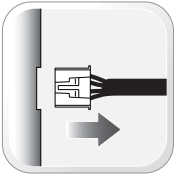
ALARM ERROR CODES: NOTES	PARKING LIGHT FLASHES	ANTENNA LED FLASHES	DIAGNOSTIC
I WARNING: The following applies only when the parking lights are connected and supported by the system.	5 + 1	1	Shock sensor triggered
	5 + 2	2	Door open
	5 + 3	3	Trunk open
II If the alarm has been triggered, the parking lights will flash five [5x] times followed by the alarm activation event.	5 + 4	4	Hood open
	5 + 5	5	Zone 2 input triggered
	5 + 6	6	Foot brake ON
III The alarm event code is also displayed in a repeating pattern on the antenna's LED when the alarm is triggered, until unlock is received.	5 + 7	7	Ignition ON
	5 + 8	8	Motion detected
	5 + 9	9	Tilt detected
	5 + 10	10	Warn away input triggered

>>



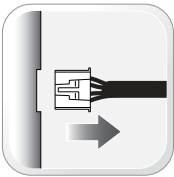
The following procedure resets the module programming to the vehicle. It does not reset any settings configured online.

01



Disconnect all connectors from module except the M1 BLACK 8-pin connector and the M4 BLACK 20-pin connector.

02



Disconnect the M1 BLACK 8-pin connector and the M4 BLACK 20-pin connector.

03



PRESS AND HOLD the module's programming button while connecting the M1 BLACK 8-pin connector and the M4 BLACK 20-pin connector.

04



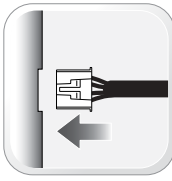
Wait, LED 1 and 2 will flash RED. RELEASE programming button.

05



Module RESET completed.

06



Reconnect all connectors.

07





Repeat programming procedure.

>>





Failure to follow procedure may result with a DTC or a CHECK ENGINE error message.


>>  The following procedure programs aftermarket remotes to the remote starter.


>>  WARNING: Program aftermarket remotes before usage. A maximum of four [4x] aftermarket remotes per system.


01  Set ignition to ON position.


02  Press and release the antenna button three times [3x].

03  The parking lights will flash once [1x], the horn will chirp once [1x].


04  The remote starter LED will turn RED and the antenna LED will flash.


05  Press once [1x] on LOCK button of aftermarket remote.

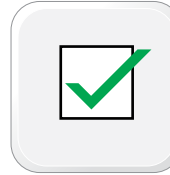
06  The remote starter LED will flash GREEN once [1x] then will turn RED.


07  To program additional remotes: repeat steps 5 to 6 using each additional remote.

08  Set ignition to OFF position.

09  The remote starter LED will turn OFF and the antenna LED will turn OFF.

10  The parking lights will flash twice [2x], the horn will chirp twice [2x].

11  Remote Programming completed.

>>  TO DELETE ALL REMOTES: repeat steps 1 to 4 then press and hold the antenna button for 6 seconds. The parking lights will flash twice [2x], the horn will chirp twice [2x].

>>



NOTE: In Valet Mode, the Remote starter is not functional. Keyless entry, Lock and Unlock will remain functional. See RF kit user manual for alternate valet mode programming.

01



Time restriction. Complete next step within 7 seconds.

02



Cycle ignition ON twice [2x OFF/ON] rapidly.

03



Press and release the BRAKE pedal three times [3x].

04



Parking Light will flash once [1x] then will flash twice [2x].

05



Set ignition to OFF position.

06



Valet Mode Programming Procedure completed.

>>



To exit valet mode: repeat steps 1 to 5.