REV.5

TARANTULA

by SOUNDSTREAM

AL.2

AUTO SECURITY SYSTEM

INSTALLATION GUIDE

www.security.soundstream.com

FCC ID NOTICE

This device complies with Part 15 of the FCC rules. Operation is subject to the following conditions:
1. This device may not cause harmful interference, and
2. This device must accept any interference received, including interference that may cause undesired operation.

CAUTION: Changes or modifications not expressly approved by the part responsible for compliance void the user's authority to operate this device.

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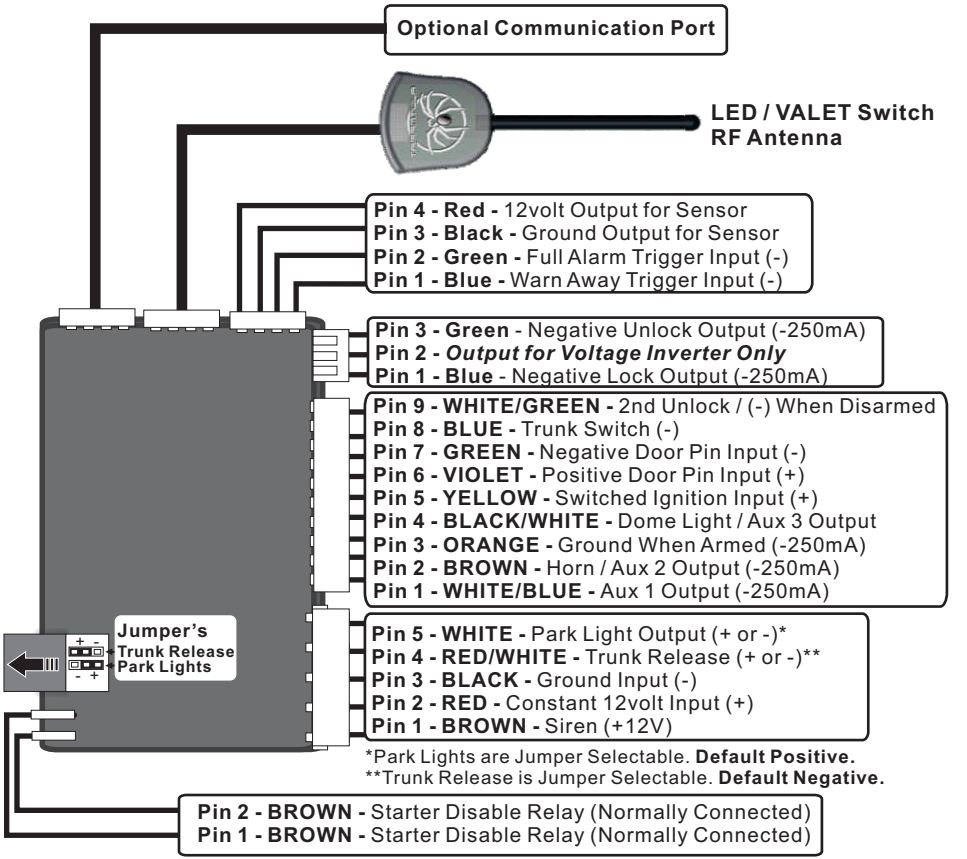
WIRE DIAGRAM



ENTERING PROGRAM MODE

1 - Cycle the Ignition Key On/Off On/Off On.
(Leave the key in the ON position)

2 - Press and release the Program Switch 1 time.
(*The Siren will chip to confirm that the system has entered Program Mode.)
*If the siren does not chirp repeat steps 1 & 2.

3 - Select the Program Menu.
-Press the Lock Button To Enter Menu 1.
-Press the Unlock Button to Enter Menu 2.
(*The Siren will chip to confirm that the system has entered the Menu.)

See the following page for Program Menus and Settings.

4 - Press and Release the Program Switch to advance through the settings.
(*Each setting is Confirmed by Siren Chirps & LED flashes)*

5 - Press and hold the Program Switch to change the setting.
(*Confirmed by Siren Chirps**)*
** One Chirp = Setting 1*
***Two Chirps = Setting 2*
****Three Chirps = Setting 3*

6 - To exit Program Mode, turn ignition key off.
(Confirmed by Long Siren Chirp)

SYSTEM RESET

1 - Cycle the Ignition Key On/Off On/Off On.
(Leave the key in the ON position)

2 - Press and release the Program Switch 1 time.
(*The Siren will chip to confirm that the system has entered Program Mode.)
*If the siren does not chirp repeat steps 1 & 2.

3- Press and Hold the program switch until the siren chirps 3 times.
(The system is now reset to default settings)

PROGRAM MODE

PROGRAM MODE 1

SETTING # LED FLASHES	DESCRIPTION	OPTION 1 1 CHIRP	OPTION 2 2 CHIRPS	OPTION 3 3 CHIRPS
1	IGNITION AUTO-LOCK	IGNITION AUTO-LOCK & UNLOCK ENABLED	IGNITION AUTO-LOCK ONLY	IGNITION AUTO-LOCK DISABLED
2	SIREN SETTINGS	SIREN CHIRPS DISABLED	SIREN CHIRPS ENABLED	
3	DOOR LOCK OPTIONS	DOUBLE UNLOCK / SINGLE LOCK PULSES	DOUBLE LOCK / SINGLE UNLOCK PULSES	SINGLE UNLOCK / SINGLE LOCK PULSES
4	DOOR LOCK PULSE TIMES	0.25 SECOND PULSES	3 SECOND PULSES	0.75 SECOND PULSES
5	SHOCK SENSOR SETTINGS	SENSOR DISABLED	SENSOR ENABLED	
6	PASSIVE ARMING	FULL PASSIVE ARMING	PASSIVE SAFETY REARM ONLY	ALL PASSIVE ARMING DISABLED
7	PASSIVE DOOR LOCKS	PASSIVE DOOR LOCKS DISABLED	PASSIVE DOOR LOCKS ENABLED	

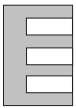
PROGRAM MODE 2

SETTING # LED FLASHES	DESCRIPTION	OPTION 1 1 CHIRP	OPTION 2 2 CHIRPS	OPTION 3 3 CHIRPS
1	VALET SETTINGS	SECURE VALET 15 SECONDS	STANDARD VALET 8 SECONDS	
2	PARK LIGHT OUTPUT	30 SECOND ON FOR DISARM	N/A	NORMAL OPERATION
3	AUX 1 * BUTTON	0.75 SECOND PULSED OUTPUT	LATCHED IGNITION ON RESET	ACTIVE WHILE BUTTON IS HELD
4	ANIT-CAR JACK MODE OPTIONS	CAR JACK MODE 1	CAR JACK MODE 2	CAR JACK MODE DISABLED
5	HORN OUTPUT TIMING	50mS HORN OUTPUT	20mS HORN OUTPUT	10mS HORN OUTPUT
6	AUX 2 (HORN / AUX) UNLOCK & TRUNK	0.75 SEC PULSED OUTPUT	ACTIVE WHILE BUTTON IS HELD	HORN OUTPUT & CAR FINDER (UNLOCK & *)
7	AUX 3 (DOME LIGHT) * & TRUNK BUTTON	0.75 SEC PULSED OUTPUT	ACTIVE WHILE BUTTON IS HELD	DOME LIGHT OUTPUT
8	2ND UNLOCK/ (-) WHEN DISARMED	GROUND WHEN DISARMED	SECOND UNLOCK OUTPUT	

= DEFAULT SETTING

SYSTEM WIRING

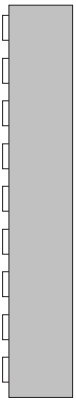
WIRE DESCRIPTION



***Pin 3*- Blue Wire-** *Negative Unlock Output* (-250ma Output)

Pin 2- 12volt Output for Voltage Inverter.

Pin 1- Green Wire- *Negative Lock Output* (-250ma Output)



Pin 9- White/Green Wire- 2nd Unlock/ (-) When Disarmed Output

Pin 8- Blue Wire- Hood/ Trunk Switch Input (-)

Pin 7- Violet Wire- Positive Door Pin Input (+)

Pin 6- Green Wire- Negative Door Pin Input (-)

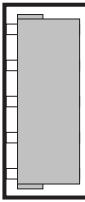
Pin 5- Yellow Wire- Switched Ignition Input (+)

Pin 4- Black/White Wire- Dome Light/ AUX 3 Output (Hold * and Trunk)

Pin 3- Orange Wire- Ground When Armed/ Starter Disable

Pin 2- Brown Wire- Horn Output/ AUX Channel 2 (Hold Unlock and Trunk)

Pin 1- White/Blue Wire- AUX Channel 1 (Hold the * Button)



Pin 5- White- Park Light Output (+ or -) (Hold Trunk Button)

Pin 4- Red/White- Trunk Release (- or +) (Hold Trunk Button)

Pin 3- Black- System Ground Input (-)

Pin 2- Red- Constant 12volt Input

Pin 1- Brown- Siren Output (+)

Pin 2- Brown Wire- Starter Disable Relay. Normally Connected (N/C)

Pin 1- Brown Wire- Starter Disable Relay. Normally Connected (N/C)

SYSTEM WIRING

WIRE DESCRIPTION

Blue	(-) Output When Unlock Is Pressed For 1 Second. (Programmable)
Red	(+) LOW CURRENT OUTPUT FOR VOLTAGE INVERTER ONLY.
Green	(-) Output When Lock Is Pressed For One Second. (Programmable)

White/Green	(-) 2nd Unlock Output / Ground Output When Disarmed. (Programmable)
Blue	(-) Hood/ Trunk Switch Detection.
Green	(-) Door Pin Switch Input For Door Pin Detection.
Violet	(+) Door Pin Switch Input For Door Pin Detection.
Yellow	(+) Switched Ignition Input. This Wire Must Be Connected.
Black/White	(-) 30 Second Output When Disarmed/ AUX 3 (Programmable)
Orange	(-) Continuos Output When The Lock Button Is Pressed.
Brown	(-) Output For Horn Honk/ Car Finder. (Programmable).
White/Blue	(-) Active Output When The * Button Is Held. (Programmable).

White	Jumper Selectable Output From Park Light Relay. Default is Positive Park Lights.
Red/White	Jumper Selectable Output From Trunk Relay. Default is Negative Trunk Release.
Black	System Ground Input. Connect To Chassis Ground.
Red	System 12volt Supply. Connect To Constant 12 Volt Source.
Brown	Output For Siren Activation. (+) 2amp Max.

Brown	Cut The Starter Wire And Connect To The Key Side.
Brown	Cut The Starter Wire And Connect To The Motor Side.

WIRE DESCRIPTION

SHOCK SENSOR INPUT

The supplied dual stage shock sensor connects directly to the module. If a secondary sensor is being installed the wiring for the connector is as follows.

PIN 4	Red	12 Volt Output For Auxiliary Sensor.
PIN 3	Black	Ground Output For Auxiliary Sensor.
PIN 2	Green	Full Trigger Input For Auxiliary Sensor.
PIN 1	Blue	Warn-away Input For Auxiliary Sensor.

ANTENNA/ VALET / PROGRAMMING SWITCH

For maximum range mount the Antenna in the center of the windshield, behind the rear view mirror. The antenna also contains the program/ valet switch as well as status LEDs for system status and diagnostics.

DATA PORT

The Data Port Connector Is Used For Fortin and I-Data Bypass Modules As Well As Compatible Tracking Units.

PROGRAMMING TRANSMITTERS

The system can lean up to 3 different remote's. Each remote to be used MUST be programmed together during the same sequence. For security, when a new remote is programmed all previous remote's are deleted. Please see remote operation chart for information on using Second Car / Pad Lock Operations.

ENTERING REMOTE PROGRAM MODE

Cycle the Ignition Key - ON/OFF ON/OFF ON (Leaving the key ON)

Press and HOLD the valet switch, the Park Lights will turn on.
***The Siren will Chirp once.**
(Repeat from Step 1 if the system does not respond)

After 5 seconds the park lights will turn off.
***The Siren will Chirp 5 times.**

PROGRAMMING REMOTE'S

Press and release the Lock Button on each of the remote's to be programmed. See notes below if the remote is to be programmed for 2nd car or PADLOC.

The system will respond by flashing the park lights for each remote.
***The Siren will Chirp once for each remote.**

Turn off the key when all the remote's are programmed.

SECOND CAR & PADLOCK

PADLOC is used to prevent accidental activation on the remote. The Trunk Button must be pressed once before the intended feature button. (See Second Car/ PADLOC operation) Use the same remote programming mode and enter the transmitter's using the Trunk Button instead on the Lock Button.

2nd Car Operation allows a single remote to control two vehicles. Use the same remote programming mode and enter the transmitter as shown below.
In Car One- Press Lock on both car 1 remote's. Press Trunk button on one car 2 remote.
In Car Two- Press Lock on both car 2 remote's. Press Trunk button on one car 1 remote.

SHOCK SENSOR CONNECTION

The supplied dual stage shock sensor connect's directly to the shock sensor connect on the alarm module. The adjustment screw on the sensor will increase or decrease the sensitivity. The first and second stage are controlled by the same adjustment screw.

Test the alarm sensitivity then adust as required. If the alarm is triggered 3 times in a row you will need to cycle the ignition on then off to reset the shock sensor before testing again.

SHOCK SENSOR CONNECTION 2

If you are adding a addition sensor you will need to connect to the supplied connector harness.

SHOCK SENSOR INPUT

PIN 4	Red	12 Volt Output For Auxiliary Sensor.
PIN 3	Black	Ground Output For Auxiliary Sensor.
PIN 2	Green	Full Trigger Input For Auxiliary Sensor.
PIN 1	Blue	Warn-away Input For Auxiliary Sensor.

ALARM STATUS / DIAGNOSTICS

If the alarm system is triggered, the system will retain in memory the cause of the trigger. When disarming the alarm, the siren/horn will chirp 3 times to indicate the alarm had been triggered. The system's LED will also flash in pulses to indicate which input triggered the alarm.
**LED status will be cleared when the ignition is turned ON. For proper memory clearing, insure to connect the alarm ignition input to the ignition on the vehicle.*

SIREN CHIRPS	LED FLASHES	DIAGNOSTICS / STATUS
3	2	SHOCK SENSOR TRIGGER
3	3	DOOR / HOOD TRIGGER
3	4	IGNITION TRIGGER
0	OFF	SYSTEM DISARMED
0	ON SOLID	SYSTEM IN VALET / SERVICE MODE
0	SINGLE FLASHES	SYSTEM ARMED
0	RAPID FLASHES	PASSIVE ARM COUNTDOWN

ALARM STATUS / DIAGNOSTICS

If an output from the alarm is shorted the siren will chirp 4 times and the park lights will flash 4 times when the system is armed or disarmed. The LED will flash a diagnostic code that represents the circuit that is at fault. (See Chart Below). Turning the ignition to the on then off position will reset the diagnostic code.

LED FLASHES	OUTPUT DIAGNOSTICS
2	LOCK OUTPUT OVERLOAD
3	UNLOCK OUTPUT OVERLOAD
4	TRUNK OUTPUT OVERLOAD
5	STARTER DISABLE OVERLOAD
6	NOT USED
7	AUX 5 OUTPUT OVERLOAD
8	2ND UNLOCK OUTPUT OVERLOAD

SYSTEM OPERATIONS

BUTTON	BUTTON PRESS	CHIRP / FLASH	SYSTEM FUNCTION
LOCK	1 SECOND	1	LOCK / ARM ALARM
	3 SECONDS	1	ACTIVATE PANIC
	PRESS THEN RELEASE THEN PRESS & HOLD	1	ACTIVATE CONSTANT LOCK OUTPUT **
UNLOCK	1 SECOND	2	UNLOCK / DISARM
	1 SECOND WHILE ALARM IS TRIGGERED	NONE	TURNS OFF SIREN BUT ALARM IS STILL ARMED
	1 SECOND	3	UNLOCK / DISARM ALARM EVENT IN MEMORY *see alarm event memory chart*
	HOLD FOR 3 SECONDS	1	ACTIVATES AUX OUTPUT
*** PROGRAMMABLE OUTPUT - CHECK WITH INSTALLATION CENTER FOR DETAILS*			
	PRESS AND HOLD FOR 3 SECONDS	ON	ACTIVATES TRUNK RELEASE
	HOLD FOR 3 SECONDS	1	ACTIVATES CAR FINDER MODE
	PRESS TOGETHER THEN RELEASE	**1**	ACTIVATES SILENT ARM
	PRESS TOGETHER THEN RELEASE	**2**	ACTIVATES SILENT DISARM
NO SIREN CHIRPS - ACTS AS A TOGGLE - IF ARMED WILL DISARM, IF DISARMED WILL ARM			

	PRESS AND RELEASE LOCK THEN PRESS AND RELEASE TRUNK	1	ARMS / LOCKS AND TURNS OFF SHOCK SENSOR (FOR 1 ARM CYCLE ONLY)

SECOND CAR OPERATION/ PADLOC. SEE TRANSMITTER PROGRAMMING FOR INFORMATION ON PROGRAMMING THIS FEATURE.

BUTTON	BUTTON PRESS	CHIRP / FLASH	SYSTEM FUNCTION
	1 SECOND - 1 SECOND	1	LOCK / ARM ALARM
	1 SECOND - 3 SECONDS	1	ACTIVATE PANIC ALARM
	1 SECOND - 1 SECOND	2	UNLOCK / DISARM
	1 SECOND - 1 SECOND WHILE ALARM IS TRIGGERED	NONE	TURNS OFF SIREN BUT ALARM IS STILL ARMED
	1 SECOND - 1 SECOND	3	UNLOCK / DISARM ALARM EVENT IN MEMORY *see alarm event memory chart*
	1 SECOND - 3 SECONDS	1	ACTIVATES TRUNK RELEASE OUTPUT

*** PROGRAMMABLE OUTPUT - CHECK WITH INSTALLATION CENTER FOR DETAILS*

	1 SECOND - 3 SECONDS	1	ACTIVATES AUX 1 OUTPUT

*** PROGRAMMABLE OUTPUT - CHECK WITH INSTALLATION CENTER FOR DETAILS*

ACTIVATING ANTI CAR JACK MODE

This feature requires that the user must be fully aware of the operation of this feature. If the system goes into full alarm the remote's will no longer function until the Anti Car Jack Feature is disabled.

ANTI CAR JACK FEATURE

Type-1 - The timer will start if the door is opened or if the button is held for 3 seconds while the ignition is on.
Type-2 - The timer will start if the door is opened or if the Trunk button is held for 3 seconds while the ignition is on. The timer will also start every time the ignition is turned on.

ANTI CAR JACK ALERT

When programmed the Anti Car Jack timer is triggered when a door is opened or the key is pressed on the remote while the ignition is on. Type 2 Car Jack Mode will trigger the timer with the door and trunk button as well as each time the ignition is turned on.

If Anti Car Jack is triggered, there will be no indication in the first 20 seconds.

After 20 seconds the LED will begin to flash rapidly to indicate that the Car Jack feature is active. After an additional 20 seconds the siren will then start to chirp each second for an additional 20 seconds.

The alarm will now activate, the ignition will interrupt, parking lights will flash, and the siren will alert indicating trouble. The lights and siren will pause momentarily between each one minute cycle, and repeat until disarmed.

Note- Turn the ignition key off before opening the door to avoid triggering the Anti Car Jack Feature. Pressing and releasing the valet button with the key on during the first 60 seconds will stop the Car Jack timer.

DISARMING ANTI CAR JACK FEATURE

To disarm the Anti Car Jack timer process during the initial 60 seconds of activation, turn the ignition key off then on, then press the valet button momentarily.

To disarm the Anti Car Jack alert process during the lights and siren cycles, turn the car off then on, then press and hold the valet button for 5 seconds.

WARRANTY

Soundstream Technologies (Soundstream), guarantees to the original purchaser to repair or replace with a comparable reconditioned model any Tarantula control module excluding without limitation any other accessories, including but not limited to the antenna, remote, siren and wiring harness which prove to be defective in workmanship or material under reasonable use during the lifetime of the vehicle it was originally installed, provided the following conditions have been met: the module was professionally installed and/or serviced by an authorized Tarantula dealer; the unit will be professionally reinstalled in the vehicle in which it was originally installed by an authorized Tarantula dealer; the warranty information card was sent to Soundstream within 10 days of the original installation date. Any warranty returns must include a return authorization number (RMA), the original receipt and be pre-paid shipping directly to Soundstream. After an initial period of 2 years from the original date of installation, Soundstream reserves the right, at its sole discretion, to charge a warranty processing fee of $30.00 USD. Soundstream does not cover the cost for return freight on warranty items. This cost is the sole responsibility of the purchaser.

All components included with the original packaged unit other than the module, including but not limited to the siren, antenna and remote transmitters, carry a 1 year warranty from the original purchase date. Any warranty returns on components must also include a return authorization number (RMA), the original receipt and be pre-paid shipping directly to Soundstream. This warranty is non-transferable and will be automatically void if: the original purchaser has not completed the warranty card and mailed it in within 10 days of the original date of purchase to the address listed on the card; the unit's date code or serial number is defaced, missing or altered in any way; the unit has been modified or used in a manner contrary to its intended purpose; the unit has been damaged by accident, unreasonable use, neglect, improper service or installation or other causes not arising out of defects in materials or construction. The warranty does not cover damage to the unit caused by improper installation or removal. Soundstream, at its sole discretion, will determine what constitutes excessive damage and may refuse the return of any unit with excessive damage, including but not limited to, overloading, moisture and/or physical damage.

To the maximum extent allowed by law, any and all warranties are excluded by the manufacture and each entity participating in the stream of commerce therewith. This exclusion includes but is not limited to, the exclusion of any and all warranty of merchantability and/or any and all warranty of fitness for a particular purpose and/or any and all warranty of non-infringement or patents, in the United States of America and/or abroad. Neither the manufacture nor any entities connected therewith shall be responsible or liable for any damages whatsoever, including but not limited to, any consequential damages, incidental damages, damages for loss of time, loss of earnings, commercial loss, loss of economic opportunity and the like. Notwithstanding the above mentioned, the manufacture does not offer a limited warranty to replace or repair the control module as described above.

Some states do not allow limitations on how long an implied warranty will last or the exclusion or limitation on how long an implied warranty will last or the exclusion or limitation of incidental or consequential damages.This warranty gives you specific legal rights, and you may also have other rights, which may vary from state to state.

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by SOUNDSTREAM

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