

Pro Guard™

System
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Système

SYSTEM-2

User Guide

A MAJOR BREAKTHROUGH IN VEHICLE CONVENIENCE TECHNOLOGY

The SYSTEM-2 is a state-of-the-art remote keyless entry and engine disable system. With many an advanced function, this product will satisfy any one of the user's expectations from high-end commodity and safety systems, without neglecting the standard features commonly offered by entry-level products.

TRANSMITTER FUNCTIONS



REMOTE CONTROL OPERATION

BUTTON	FUNCTION
LOCK	<ul style="list-style-type: none"> LOCK the doors ARM the Starter Kill – unless the Alarm Valet is enabled Dome Light OFF
UNLOCK	<ul style="list-style-type: none"> UNLOCK the driver's door Disarm the Starter Kill (rearm timer 60 sec.) – unless the Alarm Valet is enabled Dome Light ON for 60 sec., or until IGNITION ON or LOCK button is pressed
LOCK or UNLOCK with siren sounding	<ul style="list-style-type: none"> Siren mute, the module is not disarmed. (A 2nd press of the UNLOCK is required to disarm the module.)
UNLOCK 2 times	<ul style="list-style-type: none"> UNLOCK all doors
"START"	<ul style="list-style-type: none"> AUX 2 output, or 5 chirps if Car Finder is configured
LOCK for 4 seconds	<ul style="list-style-type: none"> LOCK the doors

	<ul style="list-style-type: none"> • Enter Panic Mode – siren triggered for 60 sec. (Alarm Valet is switched off)
UNLOCK for 4 sec.	<ul style="list-style-type: none"> • UNLOCK the doors • Enter Panic Mode – siren triggered for 60 sec. (Alarm Valet is switched off)
TRUNK for 4 sec.	<ul style="list-style-type: none"> • One-sec AUX 1 pulse (in Trunk Mode) or AUX 1 toggled to ON / OFF (in Latched Mode)
LOCK + UNLOCK for 4 sec.	<ul style="list-style-type: none"> • Alarm Valet switched ON (1 chirp) or OFF (2 chirps)
LOCK + START	<ul style="list-style-type: none"> • Activates the AUX 3 output

INSTALLATION-PROGRAMMABLE OPTIONS

- HORN OR SIREN OUTPUT
 - The system can be programmed to control either the horn or an external high-power siren.
 - Programmable horn chirp duration: from 10 ms up to 100 ms (if horn output is selected).
- IGNITION-CONTROLLED DOOR LOCKS
 - ON by default, this feature will LOCK all the doors of the vehicle 5 sec after the ignition key is turned to the IGNITION ON (RUN) position. The unit will UNLOCK all doors when the ignition key is turned back to the OFF position.
- PASSIVE OR ACTIVE ARMING
 - Set to Passive Mode (with a 1-min. timer) by default, the alarm system on this unit can be set to Active Mode (the module will **not** arm automatically) left in Passive Mode (the module **will** arm automatically after a 1-min. timeout).
- LOCK PULSE DURATION
 - Set to 3/4-sec. LOCK and 3/4-sec. UNLOCK pulses by default, the module can be programmed to send 3.5-sec LOCK /UNLOCK pulses, or to send single 1/4-sec. LOCK pulses with double 1/4-sec. UNLOCK pulses.
- HORN CHIRP DURATION
 - The duration of the horn chirps generated by the module may be configured at installation. The duration can be set to any length from 10 to 100 ms.
- DURATION OF DOME-LIGHT DELAY
 - The SYSTEM-2 allows to configure the length of the delay during which the module will wait for the Dome Light to go out before checking for open doors and warning the user accordingly.
Note that the duration of the Dome-light Delay can only be configured if the alarm is configured (shock sensor and siren are optional).

PANIC MODE

Panic Mode is used in emergency situations: this will disable the Alarm Valet, lock all doors and trigger the siren for 1 minute. Panic Mode is activated by **pressing the LOCK button for approximately 4 sec.** until the siren starts to sound and the parking lights begin to flash.

TEMPORARY CHIRP DELETE

If you want to **avoid the siren chirps** in a quiet neighbourhood when arming or disarming the module, **press the TRUNK button** until the parking lights flash. Then, **within 3 seconds, press the LOCK or button** to arm or disarm the module without siren chirps. Note that your installer can permanently disable the Chirp at installation.

ALARM FUNCTIONS

(Note: the siren and shock sensor are optional.) Your installer can program your alarm in **Passive Arming Mode** (so that the module automatically arms when you leave the vehicle) or in **Active Arming Mode** (this leaves the user the initiative of arming or disarming the module).

In either mode you can arm or disarm the module using the remote control; if the module was installed with remote door locks, you can **LOCK** or **UNLOCK** your doors simultaneously.

• **Passive Arming Mode**

In **Passive Arming Mode** the system will automatically arm after the expiration of a 1-min. arming delay (the L.E.D. will start to flash quickly); the timer is initiated after closure of the last open door of the vehicle. Therefore, **you do not need to arm the system**. The **L.E.D. will begin to flash slowly** when the system is armed. However, **you must LOCK your doors manually when leaving the vehicle**.

Proceed as follows when leaving your vehicle:

- Turn the ignition key to the **OFF** position. The L.E.D. will remain **OFF**.
- Unlock the doors if necessary; open the doors.
- After exiting the vehicle, once all doors are closed, the L.E.D. will begin to flash quickly, indicating that the passive-arming timer has begun to run.

As long as a door remains open, or if a door is opened before the arming delay reaches an end and remains open, **the system will not arm**.

If you need to stay in the vehicle for a while, it is recommended that you leave the ignition key in the **IGNITION ON (RUN)** position to avoid a situation were the system would arm before you leave the vehicle. While your key is in the **IGNITION ON (RUN)** position, **the system will not arm and the L.E.D. will remain OFF**.

• **Active Arming Mode**

In Active Arming Mode, to arm the system and **LOCK** the doors (if keyless entry is configured), press the **LOCK** button on your remote control until you hear one confirmation chirp of the siren or horn. Notice that the parking lights will confirm the arming of the module by flashing once; the L.E.D. will start to flash slowly to confirm the armed state. (See the **Temporary Chirp Delete** section to bypass the chirp.)

Disarming and Unlocking the Doors in Passive Arming Mode

If the module was configured in Passive Arming Mode, you can disarm the module and **UNLOCK** the doors by hold down the **UNLOCK** button until the horn or siren chirps twice in confirmation. The parking lights will confirm the disarming of the module by flashing twice. Once the system is disarmed, you must open a door within a 35 seconds delay – otherwise the module will automatically rearm (the L.E.D. will start to flash slowly). If the entry delay expires before you can open a door, you can disarm the vehicle again by pressing the **UNLOCK** button and entering the vehicle.

Once you enter the vehicle, you have up to 1 minute to **turn the ignition key to the IGNITION ON (RUN) position** (or start the car) to prevent the module from arming again. If this does not come about, the module will re-arm (the L.E.D. will start to flash slowly) and if the Starter Kill is installed it will not be possible to start the engine. You will then need to disarm the module by pressing the **UNLOCK** button again.

STARTER KILL

The starter kill will immobilize the vehicle when armed: the module controls a relay that physically interrupts the starter wire and prevents the hot-wiring of your vehicle.

The module can be configured to be either **PASSIVE-** or **ACTIVE-**arming. In Passive Mode the unit arms automatically after a pre-programmed delay (1 minute). In Active Mode the user can control the arming of the system – the latter will not arm automatically.

NOTE:

- When the starter kill is armed, the vehicle **will not start** with the key until the module has been disarmed.
- The L.E.D. always indicates the condition of the alarm (armed or disarmed).

To Arm the Starter Kill

- **LOCK** the doors using the remote control, or wait for the time-out to expire in Passive Arming Mode. (The module is automatically armed when the doors are locked with the remote control.)

To Disarm the Starter Kill

- **UNLOCK** the doors using the remote control.
- The module can also be set to **Alarm Valet Mode** to put an end to any alarm condition and disable the alarm and starter-kill functions. (See Alarm Valet Operation below.) While the module is in Alarm Valet Mode, Panic Mode and the door locking and unlocking functions are still operational.

NOTE: enabling Alarm Valet Mode is necessary if you want to **stop an initial alarm condition** occurring when the module is powered up.

SYSTEM L.E.D FLASH RATE

- The SYSTEM-2 system is delivered with a dash-mounted full-status L.E.D.
- The L.E.D. displays the status of the starter kill (armed or disarmed).
- The L.E.D. also indicates whether the vehicle is in Alarm Valet Mode or not. (See Alarm Valet Operation below.)

L.E.D.	System Status	Mode
OFF	Starter Kill disarmed	Standard operation
ON solid	Starter Kill disarmed	Valet Mode
Flashing	Starter Kill armed	Standard operation

ALARM VALET OPERATION

The module can be set to Alarm Valet Mode to stop an occurring alarm condition or to disable the alarm and starter-kill features. While the vehicle remains in Alarm Valet Mode, Panic Mode and the door locking and unlocking functions will still be operational.

Furthermore, the module can be remotely placed in and out of Alarm Valet Mode.

Enabling Alarm Valet Mode

1. Turn the ignition key to the **IGNITION ON (RUN)** position.
2. Within 5 sec. press the Valet button and hold it down for **4 seconds**.
3. The siren will chirp **once** to confirm that the vehicle is in Alarm Valet Mode.

NOTE: the L.E.D. will come on and remain lit to indicate that Alarm Valet Mode is enabled.

Disabling Alarm Valet Mode

1. Turn the ignition key to the **IGNITION ON (RUN)** position.
2. Within 5 sec. press the Valet button and hold it down for **4 seconds**.
3. The siren will chirp **twice** to confirm that the module has exited Alarm Valet Mode.

NOTE: the L.E.D. will go out to indicate that Alarm Valet Mode is disabled.

REMOTE VALET OPERATION

The SYSTEM-2 may be placed in or out of Alarm Valet Mode using the remote control: the user does not need to enter the vehicle nor access the ignition switch to place the vehicle in or out of Alarm Valet Mode.

To remotely place the module in or out of Alarm Valet Mode:

- Press and hold the **LOCK + UNLOCK** buttons down together for 4 seconds –the system will toggle in and out of Alarm Valet Mode:
 - Getting into Alarm Valet Mode: the parking lights will flash **once** and the horn or siren will chirp **once** (the L.E.D. will stay **ON**).
 - Getting out of Alarm Valet Mode: the parking lights will flash **twice** and the horn or siren will chirp **twice** (the L.E.D. will go out).

MULTI-CAR OPERATION

The SYSTEM-2 system features Multi-Car Operation, allowing the user to operate two different vehicles with a single remote control. (Both vehicles must be equipped with a SYSTEM-2 module.)

The remote control of the primary vehicle can control the starter kill, the door locks (including driver's door priority access) and the **AUX 2** and **AUX 3** outputs on the second vehicle. The remote control of the second vehicle can also operate the primary vehicle.

Second vehicle control:

- **TRUNK + LOCK** LOCK
- **TRUNK + UNLOCK** UNLOCK
- **TRUNK + START** AUX 2
- **TRUNK + LOCK + UNLOCK for 3 sec** IN or OUT of Alarm Valet Mode
- **TRUNK + LOCK + START** AUX 3

DIAGNOSTICS - PARKING LIGHTS FLASH RATE

FLASHES & CHIRPS	RATE	DESCRIPTION
1	Quick	The system has entered Alarm Valet Mode
1	Quick	Doors locked by remote, system armed, starter kill armed
2	Quick	The system has exited Alarm Valet Mode
2	Quick	Doors remotely unlocked, system disarmed, starter kill armed (dome light ON)
5	Quick	New transmitter learnt
5	Quick	Car Finder
8	Quick	Unit reset: this occurs when the module is reset to its factory default values