

8102RECAM000100

ELANTRA Version 1.0

USER'S GUIDE

2-WAY REMOTE STARTING SYSTEM WITH 4 BUTTONS
FOR AUTOMATIC TRANSMISSION

ELANTRA

MR1040 Series / MA100-2WAY



ARS CALL CENTER NUMBER IS
000-0000-0000



WARNING

It is the responsibility of the vehicle operator to ensure that their vehicle is parked in a safe and responsible manner.

1. When leaving the vehicle, it is the user's responsibility to ensure that the gearshift lever is in "Park" in order to avoid accidents upon remote starting. (Note: Make sure that the automatic vehicle cannot start in "Drive".)
2. It is the user's responsibility to ensure that the remote starter is disabled or put into valet mode before servicing.

ELANTRA

To assure continued compliance, any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

INDUSTRY CANADA USER NOTICE:

Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

To reduce potential radio interference to other users, the antenna type and its gain should be so chosen that the equivalent isotropically radiated power (EIRP) is not more than that required for successful communication.

NOTE: The manufacturer is not responsible for any radio or TV interference caused by unauthorized modifications to this equipment.

Table of Contents

Introduction	4	ADVANCED FEATURES: INSTALLATION—PROGRAMMABLE OPTIONS	9
USING THE REMOTE CONTROL	4	● Turbo Mode	10
● Description of Remote Appearance	4	● Timer Start	10
● Button Functions	5	● Low Battery Start	10
VEHICLE PRESETS	6	● Remote Door Locks	10
● Heater & heated seat	6	● Engine Run Time	11
● Windshield wipers, radio & headlights	6	● Car Check	12
● Transmitter Battery Replacement	6	● Siren On / Off	12
REMOTE—STARTING YOUR VEHICLE	7	● Passive Arming On / Off	12
● Remote—Starting	7	● Shock Sensor On / Off	12
● Driving OFF	7	TROUBLESHOOTING POOR TRANSMITTING RANGE	13
REMOTE—STARTING FEATURES	8	LIMITED THIRTY—SIX (36) MONTHS OR 60,000 KM WARRANTY	14
● Valet Mode	8		
● Panic Mode	9		

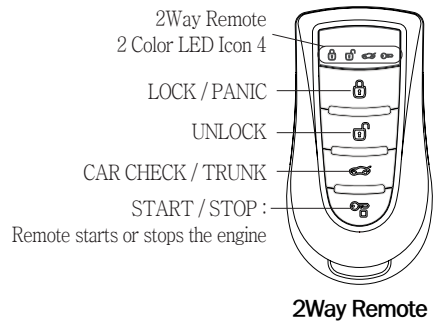
Introduction

This is a state-of-the-art remote car starter system. The system is packed with advanced features such as priority access to the driver's door (commodity feature).

With many advanced functions, this product will satisfy any one of your expectations from high-end commodity and security systems, without neglecting any standard feature commonly offered by entry-level starters.

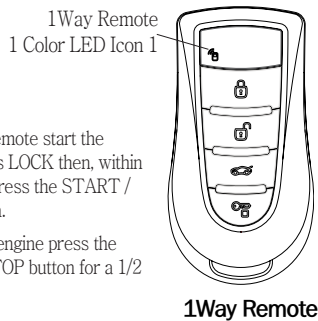
Using the remote control

Description of Remote Appearance



Note : To Remote start the engine, press LOCK then, within 3 seconds, press the START / STOP button.

To stop the engine press the START / STOP button for a 1/2 second.



Button Function

Button(s)	0.5 Second	2.0 Second
	LOCK	PANIC
	UNLOCK	UNLOCK
	Car Check	Trunk Release
	Remote START / STOP	
	Siren ON / OFF	
	Valet Mode ON / OFF	Shock Sensor ON / OFF
	Passive Arming ON / OFF	
	Timer Start ON / OFF	Low Battery Start ON / OFF
	Turbo Mode ON / OFF	

Vehicle Presets

Heater

When leaving the vehicle it is recommended to preset the accessory controls in preparation for the Next remote start. Settings for the blower motor (fan), front and rear (if equipped), should not be left on HIGH. It is recommended to leave the settings on **LOW** or **MEDIUM** instead.

Windshield Wipers, Radio & Headlights

Certain vehicles require the radio and / or windshield wipers and / or headlights circuits to become energized while running under remote start. When leaving the vehicle you must ensure that the windshield wipers and headlights switches are **OFF**. Leaving the headlights switch **ON** on certain types of vehicles could cause them to remain **ON** even after remote starter shutdown, resulting in a dead battery.

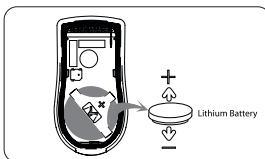
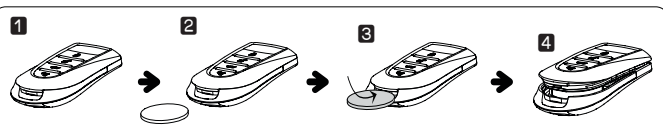
Transmitter Battery Replacement

1. Like above picture, you may use coin to detach top and bottom case of transmitter,

2. 2Way transmitter - When you insert battery

3. 1Way transmitter - You inset battery 2EA in a poly bag. (CR2016 x 2EA)

NOTE: LED icon of 2way transmitter indicates firstly blue color and then change to "RED" color when you press any button. In this case, it's time to change CR2450 battery newly



Remote-Starting your Vehicle

Remote – Starting

For the 2-way remote:

1. Press the button. The remote will beep once and display the icon. Then, press the button within 3 seconds. The remote will beep once and display the icon.
2. Approximately 5 seconds later, the remote will confirm the remote starter's activation by three times tone play and display the icon, scroll the LED icons.

For the 1-way remote:

1. Press the button. Then, press the button within 3 seconds.
2. To stop the engine, press the button for a 1/2 second.

If your vehicle does not start at the first attempt, the system will shut down, wait a few seconds and try to start the engine again. There will be 3 start attempts before the system gives up.

Driving Off

With the vehicle running remotely, press the button to disarm the OEM Starter Kill and/or the OEM alarm and unlock the doors. Enter the vehicle and do the following:

1. Turn the ignition key to the **IGNITION ON (RUN)** position. (**Do not turn the key to the CRANK position** while the engine is running. This would cause the starter motor to reengage.)
2. Press the brake pedal to disengage the remote starter unit.
(In the status of Key IGNITION ON position, if press the brake pedal or 30 seconds passes, vehicle is ready to run.)

Note: In remote engine start status, engine activation will be off for the following reasons.

- You press the brake pedal if the key was not placed on IGNITION ON position.
- You did not activate for 30 seconds after door opens.

Remote Starter Features

Valet Mode

When your vehicle is in Valet Mode, the remote starter functionalities are disabled. If the vehicle needs to be serviced, or if you park it indoors, the Valet Mode will prevent the engine from being remote-started accidentally.

Any of the following features will put your remote car starter into Valet Mode:

Ignition Valet:

- This feature allows you to put your system into Valet Mode by using the ignition key.

Remote Valet:





- This feature allows you to put your system into Valet Mode by using the transmitter.

To put the system into Valet Mode:

Ignition Valet:

- Insert your key into the ignition and turn the ignition on, then off (between ACC and ON), five times within 10 seconds.

Remote Valet:





- Press the  and  buttons simultaneously for a 1/2 second. The remote will beep once and display the  and  icons (2-way), the parking lights of vehicle flash once.

To take the system out of Valet Mode:

Ignition Valet:

- Insert your key into the ignition and turn the ignition on, then off (between ACC and ON), five times within 10 seconds.


Remote Valet:



- Press the  and  buttons simultaneously for a 1/2 second. The remote will beep twice and display the  and  icons (2-way), the parking lights of vehicle flash twice.

To verify whether the system is in Valet Mode using the 2-way remote:

If system is in Valet mode, buzzer sounds shortly when lock or unlock button is pressed.

Panic Mode

In an emergency situation, you can activate panic mode by pressing and hold the  button for more than 2 seconds, then, LED on remote is scrolled with mute status. The parking light start flashing and the horn starts honking.

If the vehicle is already started remotely, the engine will shutdown automatically before setting off the horn. You can stop the horn by pressing either the  button or the  button. Furthermore, the panic mode can be stopped by activating Valet Mode (previous section).

Note: Panic Mode will automatically shut down after 30 seconds.

Advanced Features: Installation-programmable

Options

The Remote Car Starter was designed with flexibility and OEM integration in mind. With its programmable options, this unit can virtually control nearly any electrical system in your vehicle.

Caution: The programming of your system should be left to a Hyundai professional. Changing any one of the settings may affect the operation of your Remote Car Starter.

Turbo Mode

You can turn this feature on and off by pressing the  and  buttons for a 1/2 second.

In this mode, if the emergency brake has been set, the engine will continue to run after the key has been taken out of the ignition. It will run until two minutes after the emergency brake has been set.

- To utilize this mode, the emergency brake sensing wire has to be connected to the emergency brake wire of the vehicle. Consult the authorized dealer for this mode.
- This option is ideal for turbo-charged vehicles because it allows the turbo too slowly cool after operation.

Timer Start

You can turn this feature on and off by pressing the  and  buttons for a 1/2 second.

If Timer start is set, the vehicle will start by itself at present time in every 24 hours.

If low battery start was already set in advance and timer start is set, low battery start is automatically cancelled.

Low Battery Start

You can turn this feature on and off by pressing the  and  buttons for more than 2 seconds.

Vehicle will start by itself automatically in every one hour if the battery voltage drops than user's setting value. If Timer start was already set in advance and low battery start is set, Timer start is automatically cancelled.

Note: If vehicle battery power is declined, timer start and low batter start will not be activated.

Remote Door Locks

To UNLOCK your doors and DISARM the system:

Press the  button for 1/2 seconds.

(2-way) The remote will beep twice and display the  icon to confirm unlocking of the doors.

Note: In Arming status, remote detects door unlock.

To LOCK your doors and ARM the system:

Press the  button for 1/2 seconds.

(2-way) The remote will beep once and display the  icon to confirm locking of the doors.



Note: If unlock button is pressed one time, vehicle is disarmed and only driver's seat is unlock. And then if unlock button is pressed within 5 seconds, all doors is to be unlock.











Engine Run Time

Your Remote Car Starter can be programmed to run the engine for 3, 8 or 15 minutes (3 minutes by default).

Note: Run time is set by installer.





To check the amount of runtime remaining (2-way only):

If you press  button and then press  button within 3 seconds, remote engine starts is activated, if it is successfully done, remote receives signal and display the remaining time with icon in every 5 seconds

	Total Remaining Time			Display Remaining Time with Icon
	For 3 minutes	For 8 minutes	For 15 minutes	
3 minutes	8 minutes	15 minutes	   	
2 minutes	6 minutes	12 minutes	  	
1 minute	4 minute	8 minute	 	
1/2 minute	2 minute	4 minute		

Car Check



You can check your car by pressing the  button for a 1/2 second.

Lock/Unlock	Door/Hood/Trunk	BEEP	ICON DISPLAY
Lock		Once	
Unlock		Twice	
Unlock	Triggered	Three times	 

Note:

If engine is running, icon is additionally displayed and buzzer beeps.

Siren ON / OFF

You can turn this feature on and off by pressing the  and  buttons for a 1/2 second. If Siren Off is set, Horn will not chirp when Lock or Unlock is activated Note: Even though siren is off, Horn chirps in Panic mode and option setting mode.

Passive Arming ON / OFF

You can turn this feature on and off by pressing the  and  buttons for a 1/2 second.

With passive mode on, your vehicle will lock and arm 30 seconds after the door is opened and closed. The parking lights will flash and/or siren will chirp every 10 seconds up to 30.

Shock Sensor ON / OFF

This is optional choice not default function so you need to purchase and install shock sensor additionally to realize this features. .

You can turn this feature on and off by pressing the  and  buttons for more than 2 seconds.

System does not recognize if shock sensor off is set Shock sensing is working 30 seconds later after vehicle is armed.

Troubleshooting Poor Transmitting Range

Many factors may affect the operating range of the transmitter. Some of these are:

- The condition of the battery in the transmitter.
- The operating environment (for example: downtown radio-frequency noise, airports, cellular Phone towers...).
- Metal: any type of metal will affect operating range. This includes the vehicle itself.
- The shape of the vehicle can affect range as well (vans in general have less range).
- The shape of the roof and A-pillars brings about considerable radio-frequency deflection(in This case, the signal from the remote control).As a result, the direction in which the vehicle is Facing in relation to the remote control can affect the range. Straight on (standing in front of The vehicle) generally gives you the greatest range; the second best performance if from the Back. Using the remote control from either side of the vehicle will usually give the lowest range.
- The range will be significantly lower in a crowded parking lot than in open space.
- Always hold the transmitter high, approximately at shoulder height.

LIMITED THIRTY-SIX (36) MONTHS OR 60,000 KM WARRANTY

The manufacturer warrants to the consumer purchaser only, that the remote starter (control box, bypass Module, transmitter, antenna, ignition T-harness, and transponder T-harness; collectively referred to Herein as "Unit") shall be free from defects in material and workmanship for a period of thirty-six (36)-months from the date of original retail delivery of the Unit, date of first use, of 60,000KM, Whichever occurs first.

THE WARRANTY IS AUTOMATICALLY VOID IF:

- 1) The product has been damaged, altered in any way or tampered with. For remote starter modules, this includes the opening or removal of the module's plastic covering, or the removal or alteration of the barcode label on the module's plastic covering.
- 2) The product is damaged due to accident, fire, flood, unreasonable use, improper installation, shipping and handling, misuse, abuse, failing to follow instructions, failure to observe manufacturer's warnings, neglect, or other conditions beyond the control of manufacturer.
- 3) The product has been installed or repaired by anyone other than an authorized Hyundai technician.
- 4) The product has been improperly installed or used.

THE WARRANTY DOES NOT COVER:

- 1) Batteries.
- 2) Scratched or worn transmitter cases.
- 3) Installation and/or removal charges for all remote starter modules and accessories.
- 4) Shipping and handling charges incurred for product exchange or replacement.
- 5) Damages from sources other than defect in materials or workmanship.

LIMITED THIRTY-SIX (36) MONTHS OR 60,000 KM WARRANTY

THIS WARRANTY IS LIMITED TO THIRTY SIX (36) MONTHS FROM THE DATE OF ORIGINAL RETAIL DELIVERY OF THE UNIT, DATE OF FIRST USE, OR 60,000 KM, WHICHEVER OCCURS FIRST. THIS LIMITED WARRANTY IS THE ONLY EXPRESS WARRANTY FROM THE MANUFACTURER THAT APPLIES TO YOUR UNIT. THE MANUFACTURER NEITHER ASSUMES NOR AUTHORIZES ANY PERSON OR ENTITY TO ASSUME FOR IT ANY OTHER OBLIGATION OR LIABILITY IN CONNECTION WITH YOUR UNIT OR THIS WARRANTY. ALL OTHER WARRANTIES, INCLUDING BUT NOT LIMITED TO, EXPRESS WARRANTY, IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE ARE EXPRESSLY EXCLUDED AND DISCLAIMED TO THE MAXIMUM EXTENT ALLOWED BY LAW. MANUFACTURER HAS NO LIABILITY FOR ACTS OF THIRD PARTIES. MANUFACTURER'S LIABILITY, WHETHER BASED ON CONTRACT, TORT STRICT LIABILITY, OR ANY OTHER THEORY, SHALL NOT EXCEED THE PURCHASE PRICE OF THE UNIT FOR WHICH A CLAIM HAS BEEN MADE. UNDER NO CIRCUMSTANCE WILL MANUFACTURER BEAR ANY LIABILITY WHATSOEVER FOR INCIDENTAL, SPECIAL OR CONSEQUENTIAL DAMAGES. THIS WARRANTY GIVES YOU SPECIFIC RIGHTS AND YOU MAY ALSO HAVE OTHER RIGHTS WHICH VARY FROM PROVINCE TO PROVINCE, SO THE ABOVE LIMITATIONS MAY NOT APPLY TO YOU.

Manufacturer reserves the right to modify this warranty statement at any time. For warranty Service, you must provide a copy of the sales receipt or original bill of sale. This warranty is not transferable.

The parties hereto elect that any dispute regarding the present document be submitted to the Appropriate Court located in the Province of Quebec, District of Montreal. The parties hereto agree that this document is governed by and interpreted in accordance with the law of Quebec. If the Purchaser is located in a province of Canada other than Quebec, all matters dealing with the Warranty of quality will be governed by and interpreted in accordance with the law of Ontario. If the Purchaser is located outside Canada, all matters dealing with the warranty of quality will be governed by and interpreted in accordance with the United Nations Convention on Contracts for the International Sale of Goods (the "Vienna Convention").