

USER MANUAL



Intelligent Unit Series (IUI-101,102,103)

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INDUSTRY CANADA USER NOTICE (Canada)

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.

FCC USER NOTICE (U.S.A):

The manufacturer is not responsible for any radio or TV interference caused by unauthorized modifications to this equipment. Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

1. Do not apply any metal object or cover on access key fob. Metal can interfere with the communication between module and access key.
2. Do not throw or hit object with smart key.
3. Do not leave the smart key in high temperatures for excessive periods of time, for instance, on the instrument panel or on top of the engine hood.
4. Do not expose or submerge the smart key to water.
5. Do not leave the smart key in close proximity of electromagnetic devices such as mobile phones or microwave ovens.
6. This system is susceptible to interference caused by high-voltage transmission lines, mobile phone stations and other high-frequency electronic devices. Please limit exposure of these sources to this system.

Please be sure to fill out the Product Registration Form to be eligible for customer support and updates. You can register at the following website:

[http:// www.AdvancedKeys.com/Registration](http://www.AdvancedKeys.com/Registration)

1. **Passive , Proximity Doors Locking**

By simply walking away from your car up to 2 to 3 meters, the doors will automatically lock and the anti-theft system will be armed. When the doors are closed, the system will flash the turn indicator lights three times. The LED indicator will flash between BLUE and RED. (If an extra siren is installed, the siren will sound once)

2. **Passive , Proximity Doors Unlocking**

As the user approaches the vehicle within a range of 2 to 3 meters, the, system will automatically identify the driver with a valid access key and unlock the doors immediately. The turn indicator lights will flash twice. (If an extra siren is installed, the siren will sound twice)

3. **Light/Sound Warning for Improperly Closed Doors**

When the user walks away from the vehicle and the doors are not closed or completely, the system will provide an audible warning – horn will sound five (5) times and the lights will flash five (5) times telling driver the doors have not been closed properly. If the doors are still open after the warning, the horn and lights will sound and flash again,. however, the system will still be ARMED and the engine cannot be started.

4. **Starter Disable Function**

This system comes with a starter disable function which provides enhanced protection against vehicle theft. Once the user enters the vehicle and attempt to start the engine, the system will verify driver's access key. If a valid access key is identified, the LED will turn off to indicate to the driver that the vehicle is ready to start. If not, the vehicle will alarm and the ignition will be disabled.

5. **Auto Windows Closing (Optional Module)**

When doors are locked after the driver exits, the system will close all open windows automatically. (If window closer module is installed)

6. Locking delay

This function will not lock doors even when there are no smart keys in the range. **Note:** This function is suggested for use if the driver needs to work near the vehicle and will frequently exiting and entering the detection range.

Enabling lock delay function

Before Starting the vehicle:

In armed status, the driver should approach the vehicle with the Access Key, once the doors have unlocked, open the door, and depress the brake peddle twice quickly.

After turning the vehicle off:

Remove ignition key, depress the brake peddle twice quickly.

After the Lock Delay Function is enabled, the turn lights will flash, and the function will last for 3 minutes if any door is opened within the first 30 seconds, otherwise the function will terminate if all doors remain closed after 30 seconds. If any open doors are closed after the function is started for more than 30 seconds, the function will only last an additional 5 seconds.

Attention:

- Lock Delay Function will delay system response, please ensure all doors are closed before leaving the vehicle. The Delay can be cancelled immediately by depressing the brake peddle for one second.
- If you need to work near the vehicle for an extended period of time (such as washing the vehicle, maintenance, or repair), it is suggested to place the access key in vehicle or keep the ignition key at ACC ON position.

7. Ignition Locking/Unlocking Function

Ignition lock function will automatically lock the doors when stepping on brake pedal after ignition key turned from OFF to ACC or ON position. Locks will automatically unlock when the ignition key is turned to OFF position. For security purpose the unlock function will not work if ignition is turned from ON to OFF in less than 2 minutes.

Please Note:

Ignition Locking function can be disabled if Brake input is not connected. However, the ignition unlock function will be functioning regardless.

8. Vehicle Battery Power Saver Function

System will stop search for access keys after 7 days of not finding any access keys. This will conserve vehicle battery power. In this situation, the passive keyless entry will be disabled, and system will still be armed (Starter Disable is still in effect). You will need to use metal key to open the door, and once door is opened passive keyless function will resume and the system will start to look for access keys immediately to disarm.

9. Emergency Passive Bypass Function (IMPORTANT)

This product comes with two RFID cards for unlock/disarm the vehicle in the event when the smart access key is damaged, battery dead or under influence of strong electromagnetic interference. Normally with an inoperative smart access key, vehicle cannot be operated. To use passive bypass wave the one of the RFID card within 5cm of the bypass antenna and hold it there until vehicle disarms and unlocks. Once RFID card is removed, the disarm status will last for 10 seconds before system re-lock and re-arm. You must start the vehicle within this 10 seconds to avoid alarm. If longer time is required; leave the RFID card next to the bypass antenna for continuous disarm.

1. Alarm:

If the system could not find a valid access key in range, and the door was opened, or someone tried to start the engine via the ignition cylinder, the system will trigger an alarm: the horn (or siren) will sound and the turn indicator lights will flash for 1 minute. Meanwhile the ignition and starter will be disabled. The horn sounding and light flashing will stop after a period of time when no further vehicle status changes are detected, however the ignition and starter will remain disabled.

2. Alarm record

Once the alarm has been triggered, the LED indicator will turn red and flash rapidly. If you find the LED in this status when you approach the vehicle, please be aware of the surroundings and pay attention to anything that might have happened to the vehicle.

3. Disarming

This system will automatically disarm when you approach the vehicle with a valid access key. Ignition and starter will also be enabled as well.

1. **Battery replacement reminders**

When you approach the vehicle with the access key and the horn sounds three times after the door unlocks, the LED indicator will also flash red twice when you open the door. This means the access key's battery is low and you should replace the battery as soon as possible. The battery in the access key can be used for about two weeks. These reminders will not stop until the battery has been replaced.

2. **Replacing the battery**

To avoid damaging the access key when replacing the battery, we suggest asking the installer to replace the battery. If you have to replace it yourself, please use CR2032 battery and:

- Don't curve the electrode when inserting the battery.
- Make sure the battery is inserted with the correct polarity.
- Replace battery with dry hands.
- Ensure there is no debris in the battery compartment.
- Avoid touching or removing any part in the exposed access key.

Test the access key after the battery replacement. If it does not work please contact Advanced Keys.

3. **Saving battery power**

Communication is constant between the main control unit and access key while in detection range. We suggest the following methods to conserve the access key's battery power.

- While carrying the access key, do not frequently pass in and out of range while not operating the vehicle.
- Turn the key to ACC or ON if you need to wait or rest in the vehicle for extended periods of time. (5 minutes or longer)

Under normal condition:

- After the system arming, the LED will flash “Blue/Red/Blue”.
- After the system disarm, the LED will flash “Blue”.

Due-Colour (Reminder)	Description
Blue / Red / Blue	System Armed
Blue / Red Slow Flash	Lock Delay Function Enabled




Blue (Reminder)	Description
Fast Flash	Key removal reminder after engine stop
Slow Flash	Valid Access Key Detected System Disarmed Ignition Enabled

Red (Warning)	Description
Fast Flash	Alarming
Short Flash	System Alarm Active
Double Flash	Battery power low

Push-Start Ignition Control (Optional Module)

When system identifies the driver with a valid access key, the Push-Start Ignition module will be enabled. (Push-start Button light will come on)
Vehicle is ready for ignition without inserting / turning metal key.

Following shows the operation of the push-start button:

	<p>Switching Power Modes</p> <p>Ignition Button will light-up once a valid access key is detected.</p> <p>Not stepping on the Brake:</p> <ul style="list-style-type: none"> - Press button 1st time: ACC (Green light on) - Press button 2nd time: ON (Green light flashes) - Press button 3rd time: OFF
	<p>To Start Engine</p> <ul style="list-style-type: none"> - You must be carrying an access key - Depress the brake pedal and when the amber indicator light starts to flash, press and hold (tachless) or tap (tach) the engine start/stop button to start the vehicle <p>Note: You can start the engine in any power mode</p>
	<p>To Stop Engine</p> <ul style="list-style-type: none"> - Make sure the vehicle is stopped and in Park (P) position - Depress the brake pedal and press and hold the button until the engine stops and the vehicle goes into OFF mode

CAUTION

Do not press the switch while driving, except in an emergency. In hot weather, the switch surface may get hot. Take care not to get burned.

Do not affix any material that cuts off electromagnetic waves (such as a metal seal) on the key.

Do not keep the key together with the products emitting electromagnetic waves such as a cellular phone.

Do not knock the key hard against other objects.

Do not leave the key exposed to high temperatures for a long period, such as on the dashboard or hood under direct sunlight.

Do not put the key in water or wash it in any type of washer.

Do not modify, remove or disassemble the original system. If any unauthorized changes or modifications are made, proper operation of the system cannot be guaranteed and warranty will be void.

The access key will not work under the following circumstances:

- Close proximity to a television tower, power stations, gas stations, radio stations, large CRT displays, airports, or other equipment that generate strong electromagnetic interference.
- Next to portable radios, mobile phones, cordless phones or other wireless communications equipment.
- Access key covered or next to metal.