



# ADVANCED KEYS

Dealer Information Package



OVERVIEW

Imagine a system that will fundamentally change how you access and start your vehicle. Designed and built based on the popular luxury vehicle's hands-free, keyless access and start function; by carrying a thin-profiled access card you will have complete access and ignition control over your vehicle without taking out keys or pressing buttons on the remote. Built with latest secure RFID technology and combined with rolling-code encryption, this system will provide the best possible aftermarket vehicle access convenience, security and more.

KEY FEATURES

- Hands-Free, proximity Lock/Arm and Unlock/Disarm in 2-3 meters range
- Optional add-on Push-Start and Ignition Control Module
- Compact and low power consumption smart access key fob
- Vehicle battery saver with access key low power reminder function
- Built-in RF Signature Transponder Chip for Emergency Passive Bypass
- RFID mutual authentication and encrypted rolling code security
- Immobilizer Bypass Device trigger output
- Dual-color LED indicator with Parking Lights and Horn/Siren output
- Starter Disable Output and Auto Window Roll Up Module Output
- Array of user convenience functions and optional jumper settings



HOW IT WORKS



ACCESS

As you approach the vehicle, within 2 to 3 meters range your access key will be detected and verified by your vehicle through multiple layers of Radio Frequency Identification.



Approach

Once the vehicle validates your access key, the door locks will be released and by simply pulling the door handle, you now have exclusive access to your car. No more fumbling for keys or remote.



Start

Upon entering the vehicle the ignition control will be enabled. Step on the brake and push the engine start button to start the engine and get going.

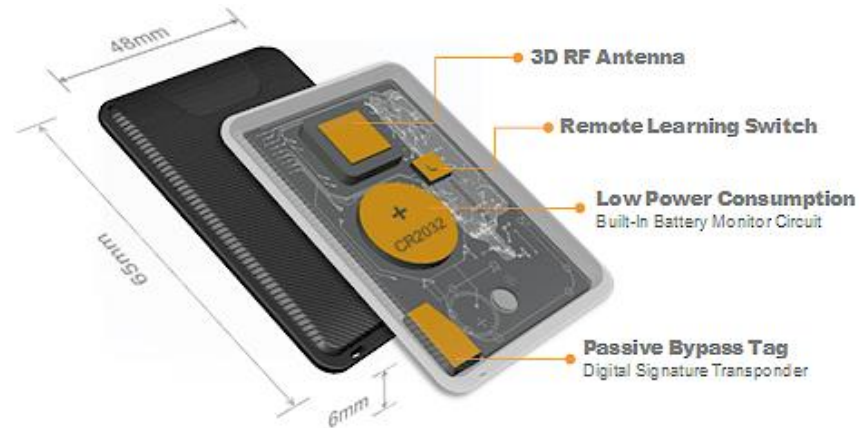


Away

When you simply walk away from your vehicle with the access key – your vehicle will immediately lock and arm the security system. You'll never forget to lock the doors behind you again.

### Convenient Access Keys

- Thin and compact, easily tucked away in your pocket or wallet.
- 3D RFID Antenna Coil for reliable sensitivity in any orientation.
- Pairing access keys through internal learning switch.
- Low power consumption lasting 18+ months based on typical daily usage.



### Ignition Locking/Unlocking

Your vehicle will have the ability to automatically lock the doors after turning ON the ignition and automatically unlock when the ignition is turned OFF.



### Emergency Passive Bypass

To prevent situations such as a damaged key fob, severe RF interferences or a dead remote battery. The built-in Digital RF Signature Transponder provides a fail-safe ability to disarm and start the vehicle passively simply by placing the access key 1 to 2 inches away from any of the two antennas.

### Additional Functions:

- **Improperly Closed Doors:** When departing the vehicle with a door partially closed, the vehicle will pulse the horn/siren briefly to alert this condition. If the door remains unclosed after an alert, the system will arm. This function provides vehicle security even when the doors are left open.
- **Lock Delay:** Use this function when frequent entering/exiting of the vehicle range is required. By tapping the brake twice quickly before opening the door, will allow you to disable proximity locking temporarily to allow activity around the vehicle.

### Dual-Antenna System

From sub-compact to full size SUV, the ability to operate two antennas simultaneously provide a complete vehicle signal coverage regardless of the vehicle size and effectively reduce installation complexity.

### Vehicle Battery Power Saving

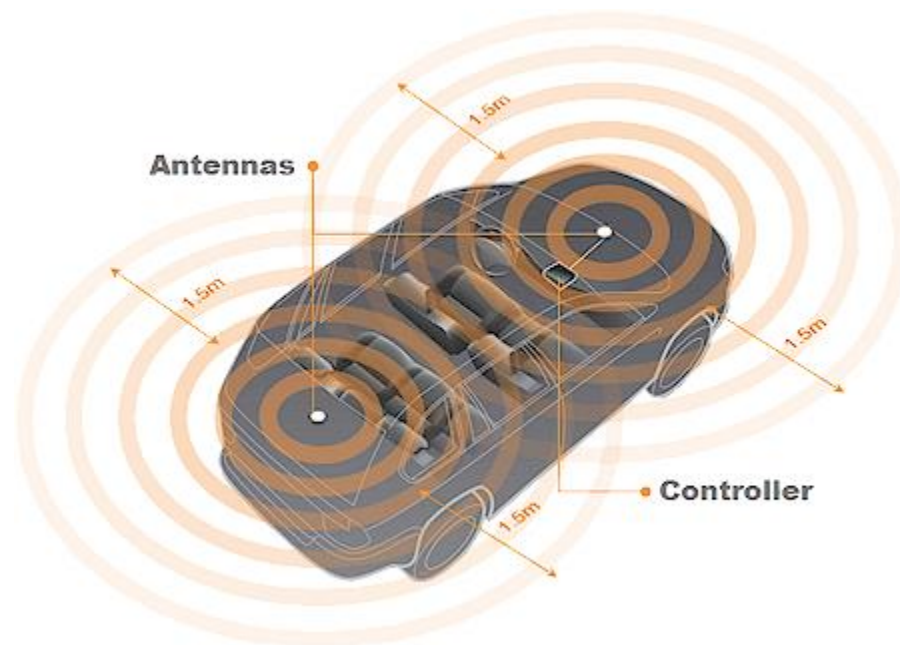
The system will stop searching for access keys after 7 days of vehicle inactivity to conserve vehicle battery power. In this situation, the passive keyless entry will be disabled, and system will still be armed. Once the door is opened the smart keyless function will resume and will start to look for access keys immediately to disarm.

### Battery Replacement Reminders

When the battery in the remote is ready to be replaced, the vehicle will notify you with 3 pulses of horn/siren when you approach the vehicle with the access key. The battery in the access key can be used for an additional two weeks (approx). These reminders will not stop until the battery has been replaced.

### Auto Windows Closing (Optional Module)

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





### Push-Start System

Suitable for any vehicle, Advanced Keys' Smart Entry and Start System provide a true hands-free keyless entry experience. Equipped with a Toyota/Lexus push-start button that give the look, feel and functionality of the genuine OEM smart key system. An encrypted communication link between Push-Start module and Keyless Entry modules will ensure the vehicle can only be started with a valid access key. This system is also designed with dual-relay protection in mind for exceptional safety consideration. In event of a relay failures, another relay will take over and ensure continuous vehicle operation without interruption.

### Push Button Operation

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

### Push Button LED Status



### Bypass Device Enable Output

Supports popular immobilizer bypass modules for newer vehicles





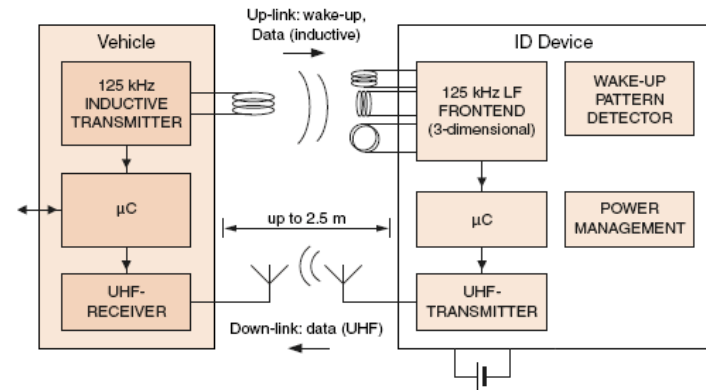
Advanced Keys products are developed on the foundation of security, you can rest assured knowing our products are safe and cannot be easily defeated even with sophisticated means. Unlike traditional aftermarket Hands-Free keyless entry devices which use unsecure, open radio frequency matching, our systems offers bidirectional, dual-frequency, layered security systems:

**Layer 1:**

Equipped with the latest RFID technology with 3rd-generation Mutual-Authentication protocol. This protocol offers the highest "hand-shaking" security which prevent 100% of conventional transmitter code-scanning, sniffing and hijacking. (RFID will not respond to an incorrect challenge and encrypted request signature, thus effectively preventing RFID code sniffing)

**Layer 2:**

Ultra High Frequency RF authentication protocol with code-hopping and encryption technology that offers the same protection as OEM keyless entry remote.



**Anti-Theft and Starter Disable Function**

In addition to provide smart keyless entry function, this system is also an alarm system that monitors door switches, brake and ignition. Vehicle ignition can be operated only when a valid access key is identified. When an unauthorized entry and vehicle activation attempt are detected the starter/ignition relay will be disabled.

**Multi-Color LED and Alarm Record**

A dual-coloured LED will provide you with information about the status of your vehicle while you were away or when the battery in your access key is low. This serves as a quick visual notification and an anti-theft deterrence feature as well.

**Smart Keyless Entry System Parts:**



**Keyless  
Controller**



**Smart Access  
Key x2**



**Fused Wire  
Harness Set for  
Keyless Module**



**Relay  
(Starter Disable)**



**Dual-Colour  
LED**



**LF Antenna x2**

**Push-Start System Parts:**



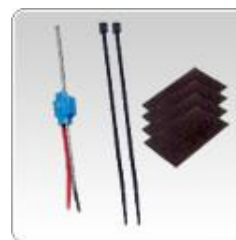
**Push-Start  
Controller**



**Push-Start  
Button**



**Fused Wire  
Harness for Push-  
Start Module**



**Taps, Tie Wraps,  
Adhesives**



**Installation and  
User Manuals**

### What We Offer

Advanced Keys sells electronic automotive products. Our products allow users to access their vehicle without requiring their keys. We also provide push button start and remote start capabilities. <http://www.advancedkeys.com>

### Our Products

**AK-104B** - Smart Keyless and Push-Start – This is a complete kit that most users are interested in. Includes remote start capability

**AK-104S** - Smart Keyless and Knob-Start – Customers that want the keyless entry system but not the push button compliment

**AK-104** - Smart Keyless (stand-alone) – Just the keyless entry system.

**AK-PSB05** - Push-Start (stand-alone) – Push button alone. Usually used with 3rd party security systems.

### Accessories

Hole Saw - Helps create a perfect hole for installing the push button

Key Cap - Decorative cap for metal key

Window Closer - automatic closer. Must be tied into existing system

Ring Mount - covers hole around push button for cleaner install look

### What You Get

As a dealer you are eligible for up to 20% discounts when you purchase less than 5 units from us. Discounts are a percentage less than the website price.

For example

AK-104B Smart Keyless and Push-Start (kit) costs \$349.99 your price not including accessories, tax or shipping would be \$279.99 which is 20% Off

AK-104B - Smart Keyless and Push-Start – \$279.99 (20% Discount)

AK-104S - Smart Keyless and Knob-Start – \$175.99 (20% Discount)

AK-104 - Smart Keyless (stand-alone) – \$151.99 (20% Discount)

AK-PSB05 - Push-Start (stand-alone) – \$151.99 (20% Discount)

As a dealer you are encouraged to charge what you feel for installation costs.

### What You Need

Most newer vehicles will need bypass systems or immobilizer bypass devices. We recommend iDataLink, Fortin or Xpresskit as our primary bypass devices.



### What We ASK

We will ask you such things as your company name, address, technical support and shop locations.

As a dealer we want customers to see you to get our products installed. We ask that you be able to install products for interested customers

We are interested in professional licensed installers installing our products. Installers with 5-10 years experience are also suitable. Our systems are much like car alarm systems and installed as such

### Web Portal

- To sign up please visit our website at [www.advancedkeys.com/distribution](http://www.advancedkeys.com/distribution)
- Click on the SIGN UP link and create an account

### FAQs

- Prices are in USD
- Supported vehicles - Mostly North American vehicles are best supported. Luxury vehicles like Porsche, BMW, SAAB are harder to support. Hybrid vehicles at this time are not well supported. As a dealer/installer we ask that you do your research to find out if a bypass system will work and if it does, then there is a likely chance our product will work too
- Presently there is no membership fee required

Remember to sign up and start your account at  
<http://www.advancedkeys.com/distribution>