RhinoCo Technology

RAv3 / JAGv3 / RAKPv2
Car Alarm & Immobiliser system
August 2023 Update

As a result of feedback from the users in the Queensland immobilizer scheme, the car alarm software has been updated for better use as a keypad immobiliser.

If you have purchased an RAKPv2 model, the keypad will come pre-learnt into the alarm. If you have purchased an RAv3 / JAGv3, please see "Learning a keypad into the alarm system" below.

Using the keypad with the alarm system

When the keypad feature is enabled, the alarm system behavior changes. In this mode the keypad, standard remote controls and the alarm upgrade interface (if enabled) can all arm the alarm system and inbuilt immobiliser.   However, attempting to disarm using the remote control or the upgrade interface will now only disarm the alarm system / trigger central locking – **the immobiliser will remain armed**. To disarm the immobiliser, you MUST disarm using the keypad (press #, enter the four-digit code and finish with 1). Note that this also applies to auto immobilisation events (i.e., when the immobiliser turns itself on after 38 seconds)

How to disarm the immobiliser without a functioning keypad

If the keypad becomes lost or non-functional, the vehicle may be unlocked and alarm disarmed using the standard alarm remote control or vehicle factory key, however the system's immobiliser will not disarm. **To disarm the immobiliser, you must enter the five-digit override code using the vehicle's ignition switch, shown on the override instruction card** supplied with the alarm system. If this code is lost, then there Is no method to disarm the immobiliser. We strongly suggest that the alarm system owner take a photo of this card immediately after installation as a backup. Note that in vehicles that don't use a regular ignition switch / key, entering this code might be difficult – in these instances it might be worthwhile considering the purchase of a second keypad as a backup.

Learning a keypad into the alarm system

Note that if you have purchased an RAKPv2 model, the keypad will come pre-learnt into the alarm – There is no need to perform the learning steps below:

When the keypad feature has been enabled (Alarm Register 1 Feature 21) the system will enter keypad programming mode for 60 seconds. During this time the indicators and alarm LED will flash, and the siren (if fitted) will beep three times every three seconds. While the alarm is in keypad programming mode, you may learn a keypad by switching car ignition on, holding down button 1 on an existing remote control until the alarm beeps and flashes indicators quickly, then immediately triggering channel 1 on the keypad (release keypad button 1 only when the beeps start).

Up to two keypads can be learnt during this time. If no devices are learnt during the 60 second learn period, then the system will cancel keypad learn and not enable the keypad feature.   To exit keypad learn mode, wait for the 60 second timeout or arm the alarm system.

A note on learning keypads - the WKP keypad only transmits upon releasing the channel digit, so the best way to trigger a keypad channel quickly during learn is to hold the last entered digit and only release it when the learn process starts i.e., press #, enter four-digit code, press and hold 1, release 1 when beeps start.