



KOLOMBOTECHNOLOGIES

OWNER'S MANUAL

Preliminary

Kolombo Technologies Ltd	Model No.: K-2000
IC: 4985A-K2000100	FCC ID: RYAK2000100
IC: 4214A-9XTREAM	FCC IC: OUR9XTREAM
* This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) This device must accept any interference received, including interference that may cause undesired operation.	
Made in Canada	

The antenna used for this transmitter must be installed to provide a separation distance of at least 20 cm from all persons.



PRODUCTS RANGE

K-1000

K-2000

Preliminary

<i>Introduction</i>	4
<i>About this owner`s manual</i>	5
<i>K-1000 operational functions</i>	5
Disarming the system	5
Rearming the system	5
Engaging valet mode**	5
Disengaging valet mode	5
Key chain`s battery	6
<i>K-2000 operational functions (car module)</i>	6
Disarming the system	6
Rearming the system	6
Engaging valet mode**	6
Disengaging valet mode	7
Key chain`s battery	7
<i>K-2000 operational functions (modem module)</i>	7
<i>General informations</i>	7
Key chain	7
Maintenance	7
Installing the system in a new car	7
Concept of secured area	8
<i>Information to user</i>	8
<i>Warranty</i>	9

Preliminary

Introduction

Kolombo Technologies Ltd is proud to present a new way to prevent the robbery of your car. The unique design of the K series allows the security system to be installed anywhere in your car. This system is absolutely undetectable and its keys cannot be copied. Kolombo's security system is interactive and you are always aware of the status of your security system thanks to the audible interface. Even though, there is no visible evidence of the presence of a Kolombo system in your car, you will always be notified audibly by its presence.

According to the level of protection requested, Kolombo offers a selection of product starting with the K-1000 version. This system will forbid any ignition of your car that is attempted without the presence of a valid encrypted key. The disabling of the vehicle is done by shutting down up to three electrical circuits. The electrical circuits will only be reactivated with a valid encrypted key.

If a higher protection level is required, the K-2000 system is then, the solution. In addition to what the K-1000 is capable, the K-2000 offers transparent key holder identification and an R.F. communication link with your home or office module that buzzes if an alert is detected. This creates a made safe zone at your main residence or your place of work. In other words, you are warned within seconds that your car has been started illegally.

Preliminary

About this owner`s manual

This manual reports all operating steps of the K series systems and validates all the warranty coverage for every component.

K-1000 operational functions

Disarming the system

Any start attempt of a car in any other way then the one explained herein will fail.

Once you are ready to start your car, press the button on your keychain. The K-1000 will reply to you with a beep telling that a valid encrypted code has been received. If no beep has been heard, press the button on your keychain again until you hear the confirmation. After a valid identification, you have 15 seconds to start your engine.

Rearming the system

The return to an armed state of the system is always made automatically. The K-1000 confirms the rearming by producing two short buzzes. The rearming will happen in these situations:

- If the allowed 15 seconds to start your engine expires.
- 30 seconds after you turned off your engine.

Engaging valet mode**

To put the system into the valet mode, the K-1000 has to receive three valid encrypted codes within 15 seconds. In other words, you have to activate your keychain to hear three confirmation`s beeps from the K-1000 within 15 seconds. The K-1000 confirms the state of valet mode by producing three short buzzes.

Disengaging valet mode

The next time you start your car with a valid encrypted code, the system will return in normal mode. The K-1000 will confirm the return to normal mode by producing three short buzzes.

** Caution: When in valet mode, your car can be started without a keychain.

Preliminary

Keychain's battery

When your keychain's battery is near the end, the K-1000 produces a warning sound every three minutes while the car is running to warn you that you have to change your battery. You will have at least 7 days to change your battery. To change the battery, remove the back of the keychain's enclosure. You will see the battery in its support. Use a small screwdriver to pop out the battery and replace it. The battery type is CR2032.

K-2000 operational functions (car module)

Disarming the system

Any start attempt of a car in any other way then the one explained herein will fail.

Once you are ready to start your car, press the brake pedal. The K-2000 will then question the keychain for an encrypted code. The K-2000 will reply to you with a beep telling that a valid encrypted code has been received. If no beep has been heard, press the brake pedal until you hear the confirmation. After a valid identification, you have 15 seconds to start your engine.

Once you have started your car, the K-2000 will inform the remote modem module that it is leaving the secured area.

Rearming the system

The return to an armed state of the system is always made automatically. The K-2000 confirms the rearming by producing two short buzzes. The rearming will happen in these situations:

- If the allowed 15 seconds to start your engine expires.
- 30 seconds after you turned off your engine.

Once your car has been shut down in a secured area, the K-2000 will inform the remote modem module that it is back in the secured area.

Engaging valet mode**

To put the system into the valet mode, the K-2000 has to receive three valid encrypted codes within 15 seconds. In other words, you have to activate your keychain via the brake pedal to hear three confirmation's beep from the K-2000 within 8 seconds. The K-2000 confirms the state of valet mode by producing three short buzzes.

Preliminary

Disengaging valet mode

The next time you start your car with a valid encrypted code, the system will return in normal mode. The K-2000 will confirm the return to normal mode by producing three short buzzes.

**** Caution:** When in valet mode, your car can be started without the keychain.

Keychain's battery

When your key chain's battery is getting low, the K-2000 will produce a warning sound every three minutes while the car is running to warn you that you have to change your battery. You have at least 7 days to change your battery. To change the battery, remove the back of the keychain's enclosure. You will see the battery in its support. Use a small screwdriver to pop out the battery and replace it. The battery type is CR2032.

K-2000 operational functions (modem module)

To come

General informations

Keychain

Two keychains are included with the purchase of a K series system. But a total of 7 keys can be programmed for the same car. Also, the same key can be programmed for several cars. So you only need one key to use with any car in your parking lot.

Maintenance

The system needs no maintenance. Only the key chain's battery may need to be replaced after a certain time. The K series systems will detect a low battery voltage and warn you with sufficient time to change it to make sure you will not get stuck. With the K-2000 version and higher, the house module will also inform you of the low state of the keychain's battery.

Installing the system in a new car

Preliminary

Since the Kolombo security system is yours, when comes the time to change your car, you can transfer the security system into your new car.*

This must be done by a professional installer of this equipment. Contact your local dealer for information.

* Fees are assumed by the owner.

Concept of secured area

A secured area is created with the K-2000 modem module. This zone can be located either at your main residence or your working place. If an attack happens when your car is in the secured area, you are immediately warned. This gives you the opportunity to take proper actions within a respectable time.

Information to user

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) This device must accept any interference received, including interference that may cause undesired operation.

This equipment has been tested and found to comply with the limits for Class B Digital Device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures.

- Reorient or relocate the receiving antenna
- Increase the separation between the equipment and receiver
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected
- Consult the dealer or an experienced radio/TV technician for help

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Preliminary

Warranty

To come