



ACCESS-5K & GSM-CARD

User Manual



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Disconnect the power supply whenever you proceed to the installation or repair of the equipment.

In compliance with the European Low Voltage Directive, we inform you of the following requirements:

- When the devices remain permanently connected, an easily accessible connecting device must be incorporated into the wiring.
- This system must only be installed by qualified professionals that have with automated garage doors and knowledge of the relevant European standards.
- The user instructions for this device must always be in the user's possession.
- The operating frequency of the receiver does not interfere in any way with the 868 MHz remote control systems.

Use of the equipment

This device is designed for applications with an automated garage door. It is not guaranteed for the direct activation of devices other than those specified. The manufacturer reserves the right to change the device specifications without warning.

Introduction

General description

The ACCESS-5K is an autonomous access control unit with two relays outputs and time scheduling.

User management is remotely only via Cloud Assistant (also Soft Assistant).

To manage users through Cloud Assistant, it is necessary to connect the GSM-CARD to access the Internet.

COMMUNICATIONS CARD CONNECTOR

Connect the GSM-CARD for ACCESS-5K management in real time



Features

- 5000 users and events
- · Scheduling for groups and relays
- 12/24 Vac/dc power supply
- 2 independent Bus L / Wiegand 26 inputs
- Improved events management
- Firmware update

GSM-CARD

GSM communication card for real-time management



Installation

Fixing

With support



HANG DEVICE



REMOVE SUPPORT

DRILL



SCREW



Without support

UNSCREW



OPEN TOP COVER



DRILL



Wiring

Wiring example



EXAMPLE OF INSTALLATION



POWER SUPPLY

connector.

RELAYS

Connect the power supply cablesto the 12/24V ac/dc

Connect the R1 / R2 relay

elements of the installation

outputs (Normally Open

contact) to the existing



ELECTROLOCK Check power supply value for electrolock

POWER Check the power supply led is lighted when power is turned ON

Proximity readers



Configuration

Configure with GSM-CARD and Cloud Assistant

Once the equipment is installed correctly, it must be configured:

GSM-CARD

Insert the SIM card provided with the device into the SIM card slot. Close the SIM card slot tab tightly.



Mount the GSM card, screw the antenna and insert it into the ACCESS-5K, without power.



MicroSD memory card

Insert micro SD memory card into ACCESS-5K, without power.



Cloud Assistant

- 1. Enter Cloud Assistant: https://cloudassistant.jcm-tech.com/Account/Login and login.
- 2. Create installation (orange button located in the lower right corner).



3. Fill the fields. Create.

Crear Instalación			
Crear Instalación			
Nontrie ASK - QSMcard	Calle Calle 123	Cludad Cludad 123	Código postal 123
Nontre de contacto Contacto 123	Teléfono de contacte 555 - 123	Pais Pais 123	Fecha de mantenimiente 06/03/2020
Conentarte		Q	TRABAJAR CON CÓDIGO INSTALADOR
	Crear Cancellar		

4. Devices -> Create device (orange button located in the lower right corner).

Instafaciones					
- A5K - GSMcard	Calle 123	Cluded 123		0 1	ĩ ^
	INFORMACIÓ	N EQUIPOS	GRUPOS		
				Añada equipos a su instalación	0

5. Enter a name for the device and select ACCESS-5K. Create.

A5K - OSMcard / Crear Equipo		
Crear equipo		
Kondure ASK	Dispositive ACCESS-SX Crear Cancelar	

6. Enter the Serial number and Unique key (found in the micro SD memory case). Save.

ASK - GSMcard	Calle 123	Ciudad 123					٥	Î
	INFORMACIÓN	EQ	UIPOS	GRUPOS				
ASK					0	٥	11	i ^
smbre 5K				Disperative ACCESS5K				
Parámetros Relés Lista d	e usuaries Grupos de usuaries Acciones	Eventos Comm, Rec	notas	Olaperatitivo ACCESSSK				
Parámetros Relés Lista d	e usuaries Orupes de asuaries Acciones Nombre	Eventos Comm, Rec	notas	Dispositive ACCESS5K Valor				
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nores SK Parámetros Relés Lista s Tarjeta de eventos Instalador Utimeno na anín	e usuarles de usuarles Acciones Nombre	Eventos Comm, Rec	5/ No 000000000	ACCESSSK				
noise SK Parámetros Roles Lista o Tarjeta de eventos Instalador Número de serie Clave ointe	e usuarles Grupes de usuarles Acciones Nombre	Eventot Comm, Red	64 No 0000000000 111111111	Ospostihe ACCESSSK Valor				
Parámetros Reles Lista d , Tarjeta de eventos Instalador Número de serie Clave cinica Contraseña	e usuarles Grupes de astarles Acciones Nombre	Eventoz Comm. Ren	64 No 0000000000 1111111111	ACCESSSK				ĺ
Antice Street St	e usuarles d'upos de usuarles Acciones Nombre	Eventos Comm. Red	56 No 0000000000 1111111111 0000 Imputisinal	ACCESSSK				•



N# = serial number (000000000)

K# = unique key (1111111111)

7. Groups -> Create group (orange button located in the lower right corner).

Instalaciones							
-E A5K - 05Mcard	Calle 123	Ciudad 123		٥	1	1	
	INFORMACI	N EQUIPOS	GRUPOS				
				Añada grupos a su instalación	8 ⁸	0	

8. Enter Name and Description. Create.

ASK - 05Mcard / Crear Grupe		
Crear grupo		
Konton Grupo 123	Descripcion Descripción grupp 123	

9. Select which channels will activate the two different relays. In the "Schedules" tab you can manage the time scheduling. Return.

ASK-08Mcard / Orupo 123 / Configuración Instalación Horario	
ASK	
RT ASK R2 ASK	
	Volver

10. On the group screen: Enroll code to add transmitters.

itre po 123					Nombre de Inste ASK - GSMcar	tación d						
rchivo Seleccionar	archivo Ningún archiv	o seleccionado						Importàr	\supset			Diffe
	Código		Tipo	÷.	Nombre		Apellido		DNI		Plaza	
ngún dato disp	ponible en esta tabla											
	Q,			(•)	Q,		Q		Q		Q	
									-			
										Alta de código	Con	Figural

11. Manual to add one by one, Sequential to add a series of transmitters. Fill in the fields correctly, enter the serial number correctly. Save.

ASK-OSMcard / Orupo123 / Alta				
Manual Secondul Reserve Dispositive MUVEV04 •		Codiga Inicial 801228	Ľ	
Nombre 123	Apetido Apellido 123		GHI 123	Plans 15
5000		0		0
Total libres		Total reservados		Total ocupados
				Guandar Cancalar

12. Click "Installation Name" in the upper gray bar or **Cancel** to go to installation.

nbre upo 123					Nombre de inst ASK - GSMca	talación rd						
Archivo Seleccionar archiv	0 Ningún archivo se	eleccionado						Importar				De la
	Código		Tipo	0	Nombre		Apellido	6	DNI	0	Plaza	
11 801228		MUVEV04		Nomb	ire 123	Apellide	123	123		15		Ĩ
	Q				Q		٩		Q		Q	

-E ASK - OSMcard	Calle 123		Ciuded 123			٥	î	^
	INFO	RMACIÓN	EQUIPOS	GRUPOS				
al Grupp 123						0	-	7
A antipo sea						-	8 ⁶	0

13. Devices -> Select device -> Remote comm.-> Save configuration.

mbre iK						Dispositivo ACCESS5K			D.	•1	-	
Parámetros	Relés	Lista de usuarios	Grupos de usuarios	Acciones Eventos	Comm. Remotas							
Indi	ce	Fecha	Contenido	Número de serie	Clave única	Código oper.	Código Fin.	Progreso		C		
	6								0			
	C	Grabar configuración		Leer configuracio	n	Leer eventos		Iorrar eventos				

You need to have the Assistant equipment connected to the computer. Wait for "Progress" to be 100 (refresh the page).

Configure with Soft Assistant

See Soft Assistant user manual: https://www.jcm-tech.com/downloads/UM_1247016_SOFTASSISTANT_EN.pdf and the ACCESS-5K annex https://www.jcm-tech.com/downloads/UMA_1247016_SOFTASSISTANT_EN.pdf and the ACCESS-5K annex https://www.jcm-tech.com/downloads/UMA_3200280_ACCESS5K_EN.pdf and the ACCESS-5K annex https://www.jcm-tech.com/downloads/UMA_3200280_ACCESS5K_EN.pdf

Verification ACCESS-5K: LED Indicators POWER SUPPLY OK MEMORY ERROR 1 Flash - Access granted **Continuous Flashing** Cont. Flashing - Reading memory Wrong customer code R1 ACTIVATED R2 ACTIVATED ERROR 1 Flash - Forbidden access 2 Flashes - Out-of-schedule access 4 Flashes - Firmware update needs hardware reset 5 Flashes - Transmitters code file not found Continuous Flashing - No memory or bad memory format

GSM-CARD: LED indicators

GSM LEDs

GOOD Good coverage. Optimum data transfer
 POOR Weak coverage, but sufficient for data transfer
 BAD Unstable coverage or no connection. We recommend you not use the device in this status, as there may be errors



When led indicator is bad, it is recommended to use a 3 meters long GSM antenna extension cable.

Communication LEDs

TX Lit during data transmission



Operation LEDs

OK	System working correctly (flashing=in process)
ALARM	Use of backup GSM frequency (850 MHz)
ERROR	System error



ERROR LED

Number of		
flashes	Error type	Action required
1	Module initialisation	Wait for the initialization to be completed
2	SIM card not detected	Check SIM card insertion
3	Incorrect PIN	Modify communication settings in SoftAssistant
4	SIM card locked	Unlock SIM card (for example, with a free mobile)
5	No communication	Review GSM antenna connection (see GSM leds)
6	Adjustments not valid	Check Unique Key and APN in SoftAssistant
7	Server not detected	Contact M2M service provider

Maintenance

Firmware update

Steps to update the firmware in the ACCESS-5K:

- Insert the SD memory in your computer.
- COPY FILE ACCESS5K_AABBCCDD_bin.a5k (AABBCCDD = version) to the uSD memory.
- RENAME FILE copied in the SD to bin.a5k.
- Extract the SD memory from the computer.
- Power off your ACCESS-5K.
- Insert the SD memory in your ACCESS-5K.
- Power on your ACCESS-5K.
- If the OK led flashes fast, slowly and then fast once again. Then:
 - The update has finished properly.
 - The bin.a5k file has been deleted from SD memory.
- If the ERROR led keeps flashing slowly, an error has occurred:
 - Check the file in the SD memory.
 - Delete the firmware file manually in order to allow the device to boot normally.

You can also check the current APP version in generated A5KInfo.txt file in SD memory.

Replacement of the cell battery

In case the ACCESS-5K events lose the date, the button cell battery CR2032 must be changed.

Solving problems

FAQs: ACCESS 5K

Q: How many users can Access 5k unit handle?

A: Up to 5000 users.

Q: How many codes can be added manually?

A: Codes cannot be added manually, they can only be added using Cloud Assistant or SoftAssistant.

Q: Can the unit be blocked so that no one can delete or program more transmitters?

A: It is not necessary to block the unit as the codes can only be managed with the Cloud Assistant or SoftAssistant.

Q: Can any Cloud Assistant or SoftAssistant read the configuration of my unit?

A: ACCESS-5K can be protected through the customer code and the password.

Q: How can the events be read?

A: Remotely and locally with Cloud Assistant or SoftAssistant

Q: Can we power the unit at 230 V?

A: No, we can only supply low voltage, 12/24 Vac / dc.

Q: How many relay outputs does the unit have?

A: It has 2 relay outputs.

Q: Are the relays potential free?

A: Yes, also the relays can be used to switch power to an electric lock, for example.

Q: Which sort of readers can be connected?

A: It has 2 relays outputs.

Q: How can I know there is an error if the door does not open?

A: See Verification -> ACCESS-5K: LED Indicators

FAQs: GSM-Card

Q: Can I use any SIM card, for example the one I have on my phone?

A: No you cannot. It only works with bidirectional M2M SIMs from approved operators and specifically configurated.

Q: With the serial number that appears on the label, can you access your ACCESS-5K through any SoftAssistant?

A: No, you cannot. In addition to the serial number, it is also required the unique key to connect remotely.

Q: If I have the ACCESS-5K installed, will it work remotely only by plugging in a GSM-CARD?

A: Yes, the card is configured by default with the communication parameters of the approved operator.

Connect Assistant to Cloud Assistant

1. Go to "My Account"

Messages	
Application	
A My account	
Close session	
	Messages Application My account Close session

2. "SETTINGS"

	USER DATA	SETTINGS CONFID FIELDS	
Name		Sumame	
Jaume		Mir	
Ental			
jmir@jcm-tech.com		Phone number	
Address			
123			
City		Postal code	
Vic		08500	
Country			
88			

3. "DOWNLOAD ASSISTANT PANEL", install the downloaded program.

	USER DATA	SETTINGS	CONFIG FIELDS
anguage		Lines for page	
English - United Kingdom		* 10	/
USE INSTALLER CODE			
() ASSISTANT PANEL ID :		TEST OF ASSISTANT PANEL	DOWNLOAD ASSISTANT PANEL
C	Update account	Change password	Remove account

4. The program installs in the toolbar..



5. Connect the ASSISTANT to the computer.



		User account		
	USER DATA	SETTINGS	CONFIG FIELDS	
Language English - United Kingdom		Lines for page		
USE INSTALLER CODE				
() ASSISTANT PANEL ID :		TEST OF ASSISTANT PANEL	DOWNLO	DAD ASSISTANT PANEL
C	Update account	Change password	Remove account	ASSISTANT MANEL

If both LED lights are green, it has been properly connected. Otherwise, check the previous steps.

!

6. Drag the selected icon to "ASSISTANT PANEL ID:"

USER DATA SETTINGS CONFIG FIELDS	USER DATA <u>SETTINOS</u> CONFJO FIELDS Linex for page English - United Kingdom <u>10</u> USE INSTALLER CODE O ASSISTANT PANEL ID: <u>TEST OF ASSISTANT PANEL</u> DOWINLOAD ASSISTANT PANEL		User account	
English - United Kingdom 10 10 10 10 10 10 10 10 10 10 10 10 10	Language Lives for page English - United Kingdom 10	USER DATA	SETTINGS	CONFIG FIELDS
USE INSTALLER CODE	USE INSTALLER CODE O ASSISTANT PANEL ID: TEST OF ASSISTANT PANEL DOWNLOAD ASSISTANT PANEL DOWNLOAD ASSISTANT PANEL	anguage English - United Kingdom	Linex for page * 10	
🕐 ASSISTANT PANEL ID : 1 TEST OF ASSISTANT PANEL O DOWNLOAD ASSISTANT PANEL 🕈	🕐 ASSISTANT PANEL ID : 1 TEST OF ASSISTANT PANEL 10	USE INSTALLER CODE		
		() ASSISTANT PANEL ID :	TEST OF ASSISTANT PANEL	DOWNLOAD ASSISTANT PANEL

7. "TEST OF ASSISTANT PANEL"

USER DATA SETTINGS CONFIG FIELDS Langungs Lines for page English - United Kingdom • 10 USE INSTALLER CODE © ASSISTANT PANEL ID : JMIR-WID (UPDATE ACCOUNTY 2 DOWNLOAD ASSISTANT PANEL © DOWNLOAD ASS		
Lives for page English - United Kingdom • 10 USE INSTALLER CODE O ASSISTANT PANEL ID : JMRB-W10 (UPDATE ACCOUNTY) CUPDATE TEST OF ASSISTANT PANEL O DOWNLDAD ASS		
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	ISISTANT PANEL 💠	
Updata account Change password Remove account	ASSISTANT PANEL	đ
	ke JMIR-W	v10

8. "Update account"

USER DATA				
	SETTINUS	CONFIG FIELDS		
	Lines for page		ę	
UPDATE	est of assistant panel 🛛 🗸	DOWNLOAD A	USSISTANT PANEL	
Update account	Change password	Remove account	ASSISTANT PANEL	0
	UPDATE TE	Lines for page 10 UPDATE TEST OF ASSISTANT PANEL • Update account Change password	Lines for page 10 UPDATE TEST OF ASSISTANT PANEL O CONNLIDAD A Updata account Change password Remove account.	Lines for page 10 • • UPDATE TEST OF ASSISTANT PANEL • O ODIVILIDAD ASSISTANT PANEL • Updata account Change password Remove account.

Technical Data: ACCESS-5K

Parameter	Value
Power Supply	12/24V dc/ac
Standby / operating consumption	<50 mA / 100 mA
Maximum power consumption	5W
Relay power (R1 / R2)	3A
Operating temperature	-20°C +55°C
Size	180 x 150 x 85 mm
IP Rating	IP65
Motion Frequency	868 MHz
Motion Codification	

Technical Data: GSM-CARD

Parameter	Value
Power supply	12V dc
Standby / Op. consumption	<500 mA
Maximum power absorbed	6W
Operating temperature	-20°C +55°C
Size (without antenna)	77 x 52 x 10 mm
Radiated power	EGSM 850 / 900 / 1800 / 1900 MHz

Regulatory Data

EU Declaration of conformity

The manufacturer JCM TECHNOLOGIES, S.A. declares that the product ACCESS-5K & GSM-CARD complies with the relevant fundamental requirements of the RED Directive 2014/53/EU and of the RoHS Directive 2011/65/EU. See website https://www.jcm-tech.com/declarations/

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