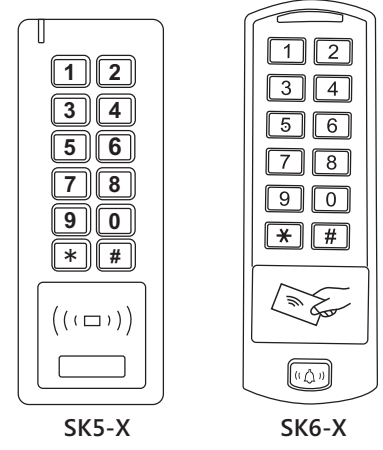
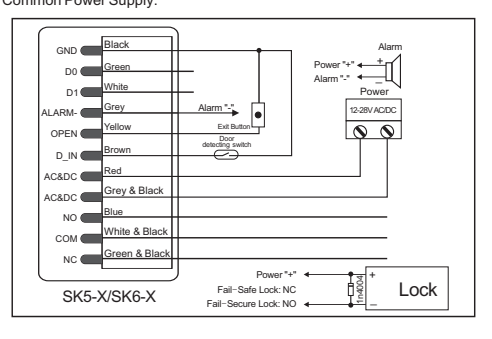
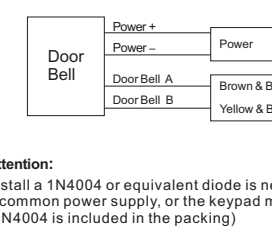
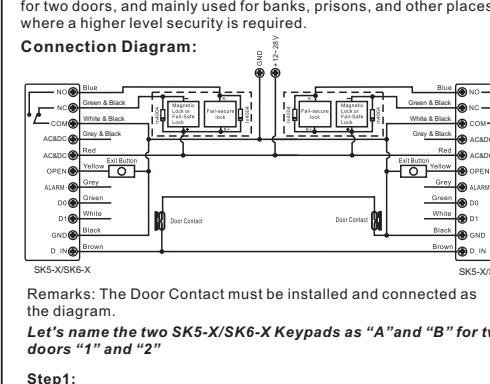
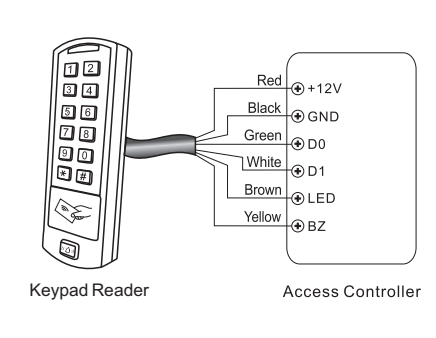


Access Controller/Reader		CONTENTS																																																																																			
 <p>SK5-X SK6-X</p> <p>User Manual</p>	<p>1 INTRODUCTION</p> <hr/> <p>5 STANDALONE MODE</p> <hr/> <p>13 WIEGAND READER MODE</p>	<p>3 INSTALLATION</p> <hr/> <p>11 CONTROLLER MODE</p> <hr/> <p>15 ADVANCED APPLICATION</p>	<p>INTRODUCTION</p> <p>The SK5-/SK6-X is a universal keypad, can work as standalone keypad, access controller or standard Wiegand output reader. It uses Atmel MCU assuring stable performance. The operation is very user-friendly, and low-power circuit makes it long service life.</p> <p>The SK5-/SK6-X supports 600 users, it support multi access modes in either card access, PIN access, Card+PIN access, or multi cards/PINs access, it can read 125KHz EM & HID for Low Frequency and 13.56MHz Mifare for High Frequency tokens, cards and tags. Another advantage of the SK5-/SK6-X is it has extra features including block enrolment, interlock, Wiegand 26-37 bits interface, 12-28V AC/DC voltage...etc.</p> <p>Features</p> <ul style="list-style-type: none"> • Waterproof, conforms to IP66 • One relay, keyboard programmer • 600 users • PIN length: 4-6 digits • Card type: 125KHz EM card, 125KHz HID card, 13.56MHz Mifare card • Wiegand 26-37 bits input & output • Can be used as Wiegand reader with LED & Buzzer output • Card block enrolment • Tri-colour LED status display • Pulse mode, Toggle mode • 2 devices can be interlocked for 2 doors • Built in light dependent resistor (LDR) for anti tamper • Backlit keypad • Low temperature resistance(-40°C) <p>Specifications</p> <table border="1"> <tr><td>User Capacity</td><td>600</td></tr> <tr><td>Common Users</td><td>598</td></tr> <tr><td>Panic Users</td><td>2</td></tr> <tr><td>Operating Voltage</td><td>12-28V AC/DC</td></tr> <tr><td>Idle Current</td><td>< 65mA</td></tr> <tr><td>Active Current</td><td>< 100mA</td></tr> <tr><td>Proximity Card Reader</td><td>HID & EM & Mifare</td></tr> <tr><td>Radio Technology</td><td>125KHz & 13.56MHz</td></tr> <tr><td>Read Range</td><td>2-6cm</td></tr> </table> <p>Wiring Connections</p> <table border="1"> <tr><td>Relay output, exit button, alarm, door contact, Wiegand input, Wiegand output</td><td>One (NO, NC, Common)</td></tr> <tr><td>Adjustable Relay Output Time</td><td>0-99 Seconds (5 seconds default)</td></tr> <tr><td>Lock Output Load</td><td>2 Amp Maximum</td></tr> <tr><td>Wiegand Interface</td><td>Wiegand 26-37 bits</td></tr> <tr><td>Wiegand Input</td><td>26-37bits (default: 26bits)</td></tr> <tr><td>Wiegand Output</td><td>26-37bits (default: 26bits)</td></tr> <tr><td>PIN Output</td><td>4bits, 8bits(ASCII), 10 digits Virtual Number (default: 4bits)</td></tr> <tr><td>Environment</td><td>Meets IP66</td></tr> <tr><td>Operating Temperature</td><td>-40 C~60 C, (-40 F~140 F)</td></tr> <tr><td>Operating Humidity</td><td>10%RH~98%RH</td></tr> <tr><td>Physical</td><td>Zinc-Alloy Enclosure</td></tr> <tr><td>Surface Finish</td><td>Powder Coat</td></tr> <tr><td>Dimensions</td><td>L148xW56xH22.5mm(SK5-X)</td></tr> <tr><td></td><td>L150xW51xH23mm(SK6-X)</td></tr> <tr><td>Unit Weight</td><td>500g</td></tr> <tr><td>Shipping Weight</td><td>650g</td></tr> </table> <p>INSTALLATION</p> <ul style="list-style-type: none"> • Remove the back cover from the unit • Drill 2 holes (A, C) on the wall for the screws and one hole for the cable • Knock the supplied rubber bungs to the screw holes(A,C) • Fix the back cover firmly on the wall with 4 flat head screws • Thread the cable through the cable hole(B) • Attach the unit to the back cover <p>Carton Inventory</p> <p>SK5-X/SK6-X</p> <p>Diode 1N4004 (For relay circuit protection) Self Tapping Screws Wall Anchors Screw Driver Master Add Card Master Delete Card Master Cards</p>	User Capacity	600	Common Users	598	Panic Users	2	Operating Voltage	12-28V AC/DC	Idle Current	< 65mA	Active Current	< 100mA	Proximity Card Reader	HID & EM & Mifare	Radio Technology	125KHz & 13.56MHz	Read Range	2-6cm	Relay output, exit button, alarm, door contact, Wiegand input, Wiegand output	One (NO, NC, Common)	Adjustable Relay Output Time	0-99 Seconds (5 seconds default)	Lock Output Load	2 Amp Maximum	Wiegand Interface	Wiegand 26-37 bits	Wiegand Input	26-37bits (default: 26bits)	Wiegand Output	26-37bits (default: 26bits)	PIN Output	4bits, 8bits(ASCII), 10 digits Virtual Number (default: 4bits)	Environment	Meets IP66	Operating Temperature	-40 C~60 C, (-40 F~140 F)	Operating Humidity	10%RH~98%RH	Physical	Zinc-Alloy Enclosure	Surface Finish	Powder Coat	Dimensions	L148xW56xH22.5mm(SK5-X)		L150xW51xH23mm(SK6-X)	Unit Weight	500g	Shipping Weight	650g																																
	User Capacity	600																																																																																			
	Common Users	598																																																																																			
Panic Users	2																																																																																				
Operating Voltage	12-28V AC/DC																																																																																				
Idle Current	< 65mA																																																																																				
Active Current	< 100mA																																																																																				
Proximity Card Reader	HID & EM & Mifare																																																																																				
Radio Technology	125KHz & 13.56MHz																																																																																				
Read Range	2-6cm																																																																																				
Relay output, exit button, alarm, door contact, Wiegand input, Wiegand output	One (NO, NC, Common)																																																																																				
Adjustable Relay Output Time	0-99 Seconds (5 seconds default)																																																																																				
Lock Output Load	2 Amp Maximum																																																																																				
Wiegand Interface	Wiegand 26-37 bits																																																																																				
Wiegand Input	26-37bits (default: 26bits)																																																																																				
Wiegand Output	26-37bits (default: 26bits)																																																																																				
PIN Output	4bits, 8bits(ASCII), 10 digits Virtual Number (default: 4bits)																																																																																				
Environment	Meets IP66																																																																																				
Operating Temperature	-40 C~60 C, (-40 F~140 F)																																																																																				
Operating Humidity	10%RH~98%RH																																																																																				
Physical	Zinc-Alloy Enclosure																																																																																				
Surface Finish	Powder Coat																																																																																				
Dimensions	L148xW56xH22.5mm(SK5-X)																																																																																				
	L150xW51xH23mm(SK6-X)																																																																																				
Unit Weight	500g																																																																																				
Shipping Weight	650g																																																																																				
	<p>Pass-Through Wiring (Wiegand Reader or Controller)</p> <table border="1"> <tr><td>Green</td><td>D 0</td><td>Wiegand Input/Output Data 0</td></tr> <tr><td>White</td><td>D 1</td><td>Wiegand Input/Output Data 1</td></tr> <tr><td colspan="3">Advanced Input and Output Features</td></tr> <tr><td>Grey</td><td>Alarm Output</td><td>Negative contact for Alarm</td></tr> <tr><td>Brown</td><td>Contact Input</td><td>Door/Gate Contact Input (Normally Closed)</td></tr> <tr><td>Brown & Black (SK6-X)</td><td>Door Bell A</td><td>Contact for Door Bell</td></tr> <tr><td>Yellow & Black (SK6-X)</td><td>Door Bell B</td><td>Contact for Door Bell</td></tr> </table> <p>Sound and Light Indication</p> <table border="1"> <tr><td>Operation Status</td><td>LED</td><td>Buzzer</td></tr> <tr><td>Stand by</td><td>Red light bright</td><td>-</td></tr> <tr><td>Enter into programming mode</td><td>Red light shines</td><td>One beep</td></tr> <tr><td>In the programming mode</td><td>Orange light bright</td><td>One beep</td></tr> <tr><td>Operation error</td><td>-</td><td>Three beeps</td></tr> <tr><td>Exit from the programming mode</td><td>Red light bright</td><td>One beep</td></tr> <tr><td>Open lock</td><td>Green light bright</td><td>One beep</td></tr> <tr><td>Alarm</td><td>Red light Shines quickly</td><td>Beeps</td></tr> </table> <p>Basic Configure</p> <table border="1"> <tr><th>Programming Step</th><th>Keystroke Combination</th></tr> <tr><td>Enter Program Mode</td><td>* (Master Code) #</td></tr> <tr><td>Exit Program Mode</td><td>* (Factory default is 123456)</td></tr> </table> <p>Set Master Code</p> <table border="1"> <tr><th>Programming Step</th><th>Keystroke Combination</th></tr> <tr><td>1. Enter Program Mode</td><td>* (Master Code) #</td></tr> <tr><td>2. Update Master Code</td><td># (New Master Code) # (Repeat New Master Code)</td></tr> <tr><td>3. Exit Program Mode</td><td>*</td></tr> </table> <p>STANDALONE MODE</p> <p>SK5-/SK6-X can be worked as Standalone Reader for single door. (Factory default mode)---8 #</p> <p>Connection Diagram</p> <p>Common Power Supply:</p>  <p>Door Bell Connect (for SK6-X only)</p>  <p>Attention: Install a 1N4004 or equivalent diode is needed when use a common power supply, or the keypad might be damaged. (1N4004 is included in the packing)</p> <p>Programming</p> <p>Programming will vary depending on access configuration. Follow the instructions according to your access configuration.</p>	Green	D 0	Wiegand Input/Output Data 0	White	D 1	Wiegand Input/Output Data 1	Advanced Input and Output Features			Grey	Alarm Output	Negative contact for Alarm	Brown	Contact Input	Door/Gate Contact Input (Normally Closed)	Brown & Black (SK6-X)	Door Bell A	Contact for Door Bell	Yellow & Black (SK6-X)	Door Bell B	Contact for Door Bell	Operation Status	LED	Buzzer	Stand by	Red light bright	-	Enter into programming mode	Red light shines	One beep	In the programming mode	Orange light bright	One beep	Operation error	-	Three beeps	Exit from the programming mode	Red light bright	One beep	Open lock	Green light bright	One beep	Alarm	Red light Shines quickly	Beeps	Programming Step	Keystroke Combination	Enter Program Mode	* (Master Code) #	Exit Program Mode	* (Factory default is 123456)	Programming Step	Keystroke Combination	1. Enter Program Mode	* (Master Code) #	2. Update Master Code	# (New Master Code) # (Repeat New Master Code)	3. Exit Program Mode	*	<p>Notes:</p> <ul style="list-style-type: none"> • User ID number: Assign a user ID to the access card / PIN in order to track it. The common user ID number can be any number from 0-597, the panic user ID is from 598-599. IMPORTANT: User ID is not have to be proceeded with any leading zeros. Recording of User ID is critical. Modifications to the user require the User ID be available. • Proximity Card: Any 125KHz industry standard 26 bits HID and EM cards and 13.56MHz Mifare card. • PIN: Can be any 4-6 digits except 8888 which is reserved. <p>Add Common Users</p> <table border="1"> <tr><th>Programming Step</th><th>Keystroke Combination</th></tr> <tr><td>1. Enter Program Mode</td><td>* (Master Code) #</td></tr> <tr><td>2. Add Card: Using Auto ID (Allows SK5-/SK6-X to assign Card to next available User ID number)</td><td>1 (Read Card) #</td></tr> <tr><td>OR</td><td>1 (User ID) # (Read Card) # (User ID is any number from 0-597)</td></tr> <tr><td>2. Add Card: Select Specific ID (Allows Master to define a specific User ID to associate the card to)</td><td>1 (User ID) # (Read Card) # (User ID is any number from 0-597)</td></tr> <tr><td>OR</td><td>1 (Input 8/10 digits Card number) #</td></tr> <tr><td>2. Add Card: Block Enrolment (Allows Master to add up to 598 card to the Reader in a single step). Takes 2 minutes to program.</td><td>1 (User ID) # (Card quantity) # (The first card number) # (Cards' number must be consecutive; Card quantity/number of cards to be enrolled).</td></tr> </table> <p>Add PIN User</p> <table border="1"> <tr><th>Programming Step</th><th>Keystroke Combination</th></tr> <tr><td>2. Add PIN: Using Auto ID (Allows SK5-/SK6-X to assign PIN to next available User ID number)</td><td>1 (PIN) #</td></tr> <tr><td>OR</td><td>1 (PIN) # (PIN) # (The user ID is any number from 0-597)</td></tr> <tr><td>2. Add PIN: Select Specific ID (Allows Manager to define a specific User ID to associate the PIN to)</td><td>1 (User ID) # (PIN) # (The user ID is any number from 0-597)</td></tr> <tr><td>3. Exit</td><td>*</td></tr> </table>	Programming Step	Keystroke Combination	1. Enter Program Mode	* (Master Code) #	2. Add Card: Using Auto ID (Allows SK5-/SK6-X to assign Card to next available User ID number)	1 (Read Card) #	OR	1 (User ID) # (Read Card) # (User ID is any number from 0-597)	2. Add Card: Select Specific ID (Allows Master to define a specific User ID to associate the card to)	1 (User ID) # (Read Card) # (User ID is any number from 0-597)	OR	1 (Input 8/10 digits Card number) #	2. Add Card: Block Enrolment (Allows Master to add up to 598 card to the Reader in a single step). Takes 2 minutes to program.	1 (User ID) # (Card quantity) # (The first card number) # (Cards' number must be consecutive; Card quantity/number of cards to be enrolled).	Programming Step	Keystroke Combination	2. Add PIN: Using Auto ID (Allows SK5-/SK6-X to assign PIN to next available User ID number)	1 (PIN) #	OR	1 (PIN) # (PIN) # (The user ID is any number from 0-597)	2. Add PIN: Select Specific ID (Allows Manager to define a specific User ID to associate the PIN to)	1 (User ID) # (PIN) # (The user ID is any number from 0-597)	3. Exit	*
Green	D 0	Wiegand Input/Output Data 0																																																																																			
White	D 1	Wiegand Input/Output Data 1																																																																																			
Advanced Input and Output Features																																																																																					
Grey	Alarm Output	Negative contact for Alarm																																																																																			
Brown	Contact Input	Door/Gate Contact Input (Normally Closed)																																																																																			
Brown & Black (SK6-X)	Door Bell A	Contact for Door Bell																																																																																			
Yellow & Black (SK6-X)	Door Bell B	Contact for Door Bell																																																																																			
Operation Status	LED	Buzzer																																																																																			
Stand by	Red light bright	-																																																																																			
Enter into programming mode	Red light shines	One beep																																																																																			
In the programming mode	Orange light bright	One beep																																																																																			
Operation error	-	Three beeps																																																																																			
Exit from the programming mode	Red light bright	One beep																																																																																			
Open lock	Green light bright	One beep																																																																																			
Alarm	Red light Shines quickly	Beeps																																																																																			
Programming Step	Keystroke Combination																																																																																				
Enter Program Mode	* (Master Code) #																																																																																				
Exit Program Mode	* (Factory default is 123456)																																																																																				
Programming Step	Keystroke Combination																																																																																				
1. Enter Program Mode	* (Master Code) #																																																																																				
2. Update Master Code	# (New Master Code) # (Repeat New Master Code)																																																																																				
3. Exit Program Mode	*																																																																																				
Programming Step	Keystroke Combination																																																																																				
1. Enter Program Mode	* (Master Code) #																																																																																				
2. Add Card: Using Auto ID (Allows SK5-/SK6-X to assign Card to next available User ID number)	1 (Read Card) #																																																																																				
OR	1 (User ID) # (Read Card) # (User ID is any number from 0-597)																																																																																				
2. Add Card: Select Specific ID (Allows Master to define a specific User ID to associate the card to)	1 (User ID) # (Read Card) # (User ID is any number from 0-597)																																																																																				
OR	1 (Input 8/10 digits Card number) #																																																																																				
2. Add Card: Block Enrolment (Allows Master to add up to 598 card to the Reader in a single step). Takes 2 minutes to program.	1 (User ID) # (Card quantity) # (The first card number) # (Cards' number must be consecutive; Card quantity/number of cards to be enrolled).																																																																																				
Programming Step	Keystroke Combination																																																																																				
2. Add PIN: Using Auto ID (Allows SK5-/SK6-X to assign PIN to next available User ID number)	1 (PIN) #																																																																																				
OR	1 (PIN) # (PIN) # (The user ID is any number from 0-597)																																																																																				
2. Add PIN: Select Specific ID (Allows Manager to define a specific User ID to associate the PIN to)	1 (User ID) # (PIN) # (The user ID is any number from 0-597)																																																																																				
3. Exit	*																																																																																				
	<p>SK5-X/SK6-X Simplified Instruction</p> <table border="1"> <tr><th>Function Description</th><th>Operation</th></tr> <tr><td>Enter the Programming Mode</td><td>* - 123456 - # (then you can do the programming (123456 is the factory default master code))</td></tr> <tr><td>Change the Master Code</td><td>0 - New Code - # - Repeat the New Code - # (code: 6 digits)</td></tr> <tr><td>Add Card User</td><td>1 - Read Card - # (can add Card continuously)</td></tr> <tr><td>Add PIN User</td><td>1 - PIN - # (PIN Length: 4-6 digits)</td></tr> <tr><td>Delete User</td><td>2 - Read Card - # for Card user 2 - PIN - # for PIN user</td></tr> <tr><td>Exit From the Programming Mode</td><td>*</td></tr> <tr><td>How to be granted access</td><td>*</td></tr> <tr><td>Card User</td><td>Read card</td></tr> <tr><td>PIN User</td><td>Input PIN #</td></tr> </table>	Function Description	Operation	Enter the Programming Mode	* - 123456 - # (then you can do the programming (123456 is the factory default master code))	Change the Master Code	0 - New Code - # - Repeat the New Code - # (code: 6 digits)	Add Card User	1 - Read Card - # (can add Card continuously)	Add PIN User	1 - PIN - # (PIN Length: 4-6 digits)	Delete User	2 - Read Card - # for Card user 2 - PIN - # for PIN user	Exit From the Programming Mode	*	How to be granted access	*	Card User	Read card	PIN User	Input PIN #	<p>Add Panic Users</p> <table border="1"> <tr><th>Programming Step</th><th>Keystroke Combination</th></tr> <tr><td>1. Enter Program Mode</td><td>* (Master Code) #</td></tr> <tr><td>2. Add Card:</td><td>1 (User ID) # (Read Card / Input 8/10 digits Card number) #</td></tr> <tr><td>OR</td><td>1 (User ID) # (PIN) # (User ID is any number from 598-599)</td></tr> <tr><td>3. Exit</td><td>*</td></tr> </table> <p>Change PIN Users</p> <table border="1"> <tr><th>Programming Step</th><th>Keystroke Combination</th></tr> <tr><td>1. Change PIN: By Card (There will auto allocate PIN(8888) to cards when adding)</td><td>* (Read Card) (Old PIN) # (New PIN) # (Repeat New PIN) #</td></tr> <tr><td>2. Change PIN: By PIN</td><td>* (User ID) # (Old PIN) # (New PIN) # (Repeat New PIN) #</td></tr> <tr><td>3. Exit</td><td>*</td></tr> </table> <p>Delete Users</p> <table border="1"> <tr><th>Programming Step</th><th>Keystroke Combination</th></tr> <tr><td>1. Enter Program Mode</td><td>* (Master Code) #</td></tr> <tr><td>2. Delete Common Card User</td><td>4 1 #</td></tr> <tr><td>OR</td><td>2 (Read Card) # The cards can be deleted continuously.</td></tr> <tr><td>2. Delete Card - By ID number</td><td>2 (User ID) #</td></tr> <tr><td>OR</td><td>2 (Input 8/10 digits Card number) #</td></tr> <tr><td>Delete Common PIN User</td><td>2 (Input PIN) #</td></tr> <tr><td>OR</td><td>2 (Delete PIN - By PIN</td></tr> <tr><td>OR</td><td>2 (Delete PIN - By ID number</td></tr> <tr><td>Delete Panic User</td><td>2 (User ID) #</td></tr> <tr><td>OR</td><td>2 (Delete Panic Card User</td></tr> <tr><td>OR</td><td>2 (User ID) #</td></tr> <tr><td>Delete All Users</td><td>2 (Master Code) #</td></tr> <tr><td>2. Delete All Users</td><td>*</td></tr> <tr><td>3. Exit</td><td>*</td></tr> </table>	Programming Step	Keystroke Combination	1. Enter Program Mode	* (Master Code) #	2. Add Card:	1 (User ID) # (Read Card / Input 8/10 digits Card number) #	OR	1 (User ID) # (PIN) # (User ID is any number from 598-599)	3. Exit	*	Programming Step	Keystroke Combination	1. Change PIN: By Card (There will auto allocate PIN(8888) to cards when adding)	* (Read Card) (Old PIN) # (New PIN) # (Repeat New PIN) #	2. Change PIN: By PIN	* (User ID) # (Old PIN) # (New PIN) # (Repeat New PIN) #	3. Exit	*	Programming Step	Keystroke Combination	1. Enter Program Mode	* (Master Code) #	2. Delete Common Card User	4 1 #	OR	2 (Read Card) # The cards can be deleted continuously.	2. Delete Card - By ID number	2 (User ID) #	OR	2 (Input 8/10 digits Card number) #	Delete Common PIN User	2 (Input PIN) #	OR	2 (Delete PIN - By PIN	OR	2 (Delete PIN - By ID number	Delete Panic User	2 (User ID) #	OR	2 (Delete Panic Card User	OR	2 (User ID) #	Delete All Users	2 (Master Code) #	2. Delete All Users	*	3. Exit	*															
Function Description	Operation																																																																																				
Enter the Programming Mode	* - 123456 - # (then you can do the programming (123456 is the factory default master code))																																																																																				
Change the Master Code	0 - New Code - # - Repeat the New Code - # (code: 6 digits)																																																																																				
Add Card User	1 - Read Card - # (can add Card continuously)																																																																																				
Add PIN User	1 - PIN - # (PIN Length: 4-6 digits)																																																																																				
Delete User	2 - Read Card - # for Card user 2 - PIN - # for PIN user																																																																																				
Exit From the Programming Mode	*																																																																																				
How to be granted access	*																																																																																				
Card User	Read card																																																																																				
PIN User	Input PIN #																																																																																				
Programming Step	Keystroke Combination																																																																																				
1. Enter Program Mode	* (Master Code) #																																																																																				
2. Add Card:	1 (User ID) # (Read Card / Input 8/10 digits Card number) #																																																																																				
OR	1 (User ID) # (PIN) # (User ID is any number from 598-599)																																																																																				
3. Exit	*																																																																																				
Programming Step	Keystroke Combination																																																																																				
1. Change PIN: By Card (There will auto allocate PIN(8888) to cards when adding)	* (Read Card) (Old PIN) # (New PIN) # (Repeat New PIN) #																																																																																				
2. Change PIN: By PIN	* (User ID) # (Old PIN) # (New PIN) # (Repeat New PIN) #																																																																																				
3. Exit	*																																																																																				
Programming Step	Keystroke Combination																																																																																				
1. Enter Program Mode	* (Master Code) #																																																																																				
2. Delete Common Card User	4 1 #																																																																																				
OR	2 (Read Card) # The cards can be deleted continuously.																																																																																				
2. Delete Card - By ID number	2 (User ID) #																																																																																				
OR	2 (Input 8/10 digits Card number) #																																																																																				
Delete Common PIN User	2 (Input PIN) #																																																																																				
OR	2 (Delete PIN - By PIN																																																																																				
OR	2 (Delete PIN - By ID number																																																																																				
Delete Panic User	2 (User ID) #																																																																																				
OR	2 (Delete Panic Card User																																																																																				
OR	2 (User ID) #																																																																																				
Delete All Users	2 (Master Code) #																																																																																				
2. Delete All Users	*																																																																																				
3. Exit	*																																																																																				

<p>Set Relay Configuration</p> <p>The relay configuration sets the behaviour of the output relay on activation.</p> <table border="1"> <tr><th>Programming Step</th><th>Keystroke Combination</th></tr> <tr><td>1. Enter Program Mode</td><td>* (Master Code) #</td></tr> <tr><td>2. Add Card:</td><td>1 (User ID) # (Read Card / Input 8/10 digits Card number) #</td></tr> <tr><td>OR</td><td>1 (User ID) # (PIN) # (User ID is any number from 598-599)</td></tr> <tr><td>3. Exit</td><td>*</td></tr> </table> <p>OR</p> <table border="1"> <tr><td>2. Pulse Mode</td><td>3 (1-99) # (factory default)</td></tr> <tr><td>OR</td><td>2 (Toggle Mode</td><td>3 0 # Sets the relay to ON/OFF Toggle mode</td></tr> <tr><td>3. Exit</td><td>*</td></tr> </table>	Programming Step	Keystroke Combination	1. Enter Program Mode	* (Master Code) #	2. Add Card:	1 (User ID) # (Read Card / Input 8/10 digits Card number) #	OR	1 (User ID) # (PIN) # (User ID is any number from 598-599)	3. Exit	*	2. Pulse Mode	3 (1-99) # (factory default)	OR	2 (Toggle Mode	3 0 # Sets the relay to ON/OFF Toggle mode	3. Exit	*	<p>Set Strike-out Alarm</p> <p>The strike-out alarm will engage after 10 failed card/PIN attempts (Factory default is OFF). It can be set to deny access for 10 minutes after engaging or disengage only after entering a valid card/PIN or Master code.</p> <table border="1"> <tr><th>Programming Step</th><th>Keystroke Combination</th></tr> <tr><td>1. Enter Program Mode</td><td>* (Master Code) #</td></tr> <tr><td>2. Strike-Out OFF</td><td>6 0 # (factory default)</td></tr> <tr><td>OR</td><td>2. Strike-Out ON</td><td>6 1 # Access will be denied for 10 minutes</td></tr> <tr><td>OR</td><td>2. Strike-Out ON (Alarm)</td><td>6 2 #</td></tr> <tr><td>3. Exit</td><td>*</td></tr> </table>	Programming Step	Keystroke Combination	1. Enter Program Mode	* (Master Code) #	2. Strike-Out OFF	6 0 # (factory default)	OR	2. Strike-Out ON	6 1 # Access will be denied for 10 minutes	OR	2. Strike-Out ON (Alarm)	6 2 #	3. Exit	*	<p>Users Operation & Reset to Factory Default</p> <ul style="list-style-type: none"> • Open the door: Read valid user card or inputting valid user PIN • Remove Alarm: Read valid user card or inputting valid user PIN, or input Master Code #. • To reset to factory default & Add Master Cards: power off, press the exit button, hold it and power on, there will be two beeps, and the LED light turns into yellow, release the exit button, then read any two cards (can be 125KHz EM card, 125KHz HID card or 13.56MHz Mifare card, the LED will turn into red, means reset to factory default successfully. Of the two cards reading, the 1st one is Master Add Card, the 2nd one is the Master Delete Card. <p>Remarks:</p> <ul style="list-style-type: none"> ① If no Master Cards added, must press the Exit Button for at least 10 seconds before release. ② Reset to factory default, the user's information is still retained. 	<p>SK5-X/SK6-X Connected with Fingerprint Reader:</p> <p>For example:</p> <p>Connect F2 as the fingerprint reader to SK5-X/SK6-X, it is of two steps to enroll the valid fingerprint.</p> <p>Step 1: Add the Fingerprint (A) on F2</p> <p>Step 2: Add the same Fingerprint(A) on SK5-X/SK6-X:</p> <table border="1"> <tr><th>Programming Step</th><th>Keystroke Combination</th></tr> <tr><td>1. Enter Program Mode</td><td>* (Master Code) #</td></tr> <tr><td>OR</td><td>1 (Press Fingerprint A once on F2) # (ID auto allocated)</td></tr> <tr><td>2. Add PIN User:</td><td>1 (User ID) # (Press Fingerprint A on F2) # (Select specific ID)</td></tr> <tr><td>3. Exit</td><td>*</td></tr> </table> <p>Remarks: 4 means 4 bits, 8 means 8 bits, 10 means 10 digits virtual number.</p> <p>Add PIN Users:</p> <p>To add PIN users, after enter into programming mode on SK5-X/SK6-X, PIN(s) can be input/ added on either SK5-/SK6-X controller or the external Keypad Reader.</p> <ul style="list-style-type: none"> • Delete PIN Users: the same way as add users. <p>WIEGAND READER MODE</p> <p>SK5-/SK6-X can work as Standard Wiegand Reader, connected to the third party Controller--- 8 #</p>	Programming Step	Keystroke Combination	1. Enter Program Mode	* (Master Code) #	OR	1 (Press Fingerprint A once on F2) # (ID auto allocated)	2. Add PIN User:	1 (User ID) # (Press Fingerprint A on F2) # (Select specific ID)	3. Exit	*	<p>ADVANCED APPLICATION</p> <p>Interlock</p> <p>The SK5-/SK6-X supports the interlock function. It is of two keypads for two doors, and mainly used for banks, prisons, and other places where a higher level security is required.</p> <p>Connection Diagram:</p>  <p>Remarks: The Door Contact must be installed and connected as the diagram.</p> <p>Let's name the two SK5-X/SK6-X Keypads as "A" and "B" for two doors "1" and "2"</p> <p>Step1: Enroll the users on Keypad A and Keypad B</p> <p>Step2: Set both of the two readers (A and B) to Interlock function</p> <table border="1"> <tr><th>Programming Step</th><th>Keystroke Combination</th></tr> <tr><td>1. Enter Program Mode</td><td>* (Master Code) #</td></tr> <tr><td>2. Interlocked-OFF</td><td>9 0 # (factory default)</td></tr> <tr><td>OR</td><td>2. Interlocked-ON</td><td>9 1 #</td></tr> <tr><td>3. Exit</td><td>*</td></tr> </table> <p>The interlock operation is finished. When and only door 2 is closed, the user can read the valid card or input PIN on Reader A, door 1 will open; then when and only door 1 closed, read valid card or input PIN on Reader B, door 2 will open.</p>	Programming Step	Keystroke Combination	1. Enter Program Mode	* (Master Code) #	2. Interlocked-OFF	9 0 # (factory default)	OR	2. Interlocked-ON	9 1 #	3. Exit	*
Programming Step	Keystroke Combination																																																							
1. Enter Program Mode	* (Master Code) #																																																							
2. Add Card:	1 (User ID) # (Read Card / Input 8/10 digits Card number) #																																																							
OR	1 (User ID) # (PIN) # (User ID is any number from 598-599)																																																							
3. Exit	*																																																							
2. Pulse Mode	3 (1-99) # (factory default)																																																							
OR	2 (Toggle Mode	3 0 # Sets the relay to ON/OFF Toggle mode																																																						
3. Exit	*																																																							
Programming Step	Keystroke Combination																																																							
1. Enter Program Mode	* (Master Code) #																																																							
2. Strike-Out OFF	6 0 # (factory default)																																																							
OR	2. Strike-Out ON	6 1 # Access will be denied for 10 minutes																																																						
OR	2. Strike-Out ON (Alarm)	6 2 #																																																						
3. Exit	*																																																							
Programming Step	Keystroke Combination																																																							
1. Enter Program Mode	* (Master Code) #																																																							
OR	1 (Press Fingerprint A once on F2) # (ID auto allocated)																																																							
2. Add PIN User:	1 (User ID) # (Press Fingerprint A on F2) # (Select specific ID)																																																							
3. Exit	*																																																							
Programming Step	Keystroke Combination																																																							
1. Enter Program Mode	* (Master Code) #																																																							
2. Interlocked-OFF	9 0 # (factory default)																																																							
OR	2. Interlocked-ON	9 1 #																																																						
3. Exit	*																																																							
<p>Set Access Mode</p> <p>For Multi cards/ PINs access mode, the interval time of reading cards/inputting PINs can not exceed 5 seconds, or else, the SK5-/SK6-X will exit to standby automatically.</p> <table border="1"> <tr><th>Programming Step</th><th>Keystroke Combination</th></tr> <tr><td>1. Enter Program Mode</td><td>* (Master Code) #</td></tr> <tr><td>2. Card access</td><td>4 0 #</td></tr> <tr><td>OR</td><td>2. Card+PIN access</td><td>4 1 #</td></tr> <tr><td>OR</td><td>2. Card or PIN access</td><td>4 2 # (Factory default)</td></tr> <tr><td>OR</td><td>2. Multi cards/PINs access</td><td>4 3 (2-9) # (Only after reading 2-9 cards or inputting 2-9 PINs, the door can be opened)</td></tr> <tr><td>3. Exit</td><td>*</td></tr> </table>	Programming Step	Keystroke Combination	1. Enter Program Mode	* (Master Code) #	2. Card access	4 0 #	OR	2. Card+PIN access	4 1 #	OR	2. Card or PIN access	4 2 # (Factory default)	OR	2. Multi cards/PINs access	4 3 (2-9) # (Only after reading 2-9 cards or inputting 2-9 PINs, the door can be opened)	3. Exit	*	<p>Set Audible and Visual Response</p> <table border="1"> <tr><th>Programming Step</th><th>Keystroke Combination</th></tr> <tr><td>1. Enter Program Mode</td><td>* (Master Code) #</td></tr> <tr><td>2. Control Sounds</td><td>OFF = 7 0 # ON = 7 1 #</td></tr> <tr><td>OR</td><td>2. Control LED</td><td>OFF = 7 2 # ON = 7 3 #</td></tr> <tr><td>OR</td><td>2. Control Keypad Backlit</td><td>OFF = 7 4 # ON = 7 5 # (factory defaults are ON)</td></tr> <tr><td>3. Exit</td><td>*</td></tr> </table>	Programming Step	Keystroke Combination	1. Enter Program Mode	* (Master Code) #	2. Control Sounds	OFF = 7 0 # ON = 7 1 #	OR	2. Control LED	OFF = 7 2 # ON = 7 3 #	OR	2. Control Keypad Backlit	OFF = 7 4 # ON = 7 5 # (factory defaults are ON)	3. Exit	*	<p>SK5-X/SK6-X Connected with Keypad Reader:</p> <p>SK5-/SK6-X Connected with Keypad Reader: The keypad reader can be 4 Bits, 8 Bits (ASCII), or 10 Bits output format. Choose the below operation according to the PIN output format of your reader.</p> <table border="1"> <tr><th>Programming Step</th><th>Keystroke Combination</th></tr> <tr><td>1. Enter Program Mode</td><td>* (Master Code) #</td></tr> <tr><td>2. PIN input bits</td><td>8 (4 or 8 or 10) # (factory default is 4bits)</td></tr> <tr><td>3. Exit</td><td>*</td></tr> </table> <p>Remarks: 4 means 4 bits, 8 means 8 bits, 10 means 10 digits virtual number.</p> <p>Add PIN Users:</p> <p>To add PIN users, after enter into programming mode on SK5-X/SK6-X, PIN(s) can be input/ added on either SK5-/SK6-X controller or the external Keypad Reader.</p> <ul style="list-style-type: none"> • Delete PIN Users: the same way as add users. 	Programming Step	Keystroke Combination	1. Enter Program Mode	* (Master Code) #	2. PIN input bits	8 (4 or 8 or 10) # (factory default is 4bits)	3. Exit	*	<p>Connection Diagram</p>  <p>Note:</p> <ul style="list-style-type: none"> • When set into Wiegand Reader mode, nearly all settings in Controller Model will become invalid. And Brown & Yellow wires will be redefined as below: • Brown wire: Green LED light control • Yellow wire: Buzzer control If you need to connect Brown/Yellow wires: When the input voltage for LED is low, the LED will turn into Green; and when the input voltage for Buzzer is low, it will sound. 	<p>Programming</p> <p>Basic Programming is the same as Standalone Mode</p> <ul style="list-style-type: none"> • There are some exceptions for your attention: • SK5-/SK6-X Connected with External Card Reader: • If EM card reader or HID card reader: users can be added/deleted on either SK5-/SK6-X or external reader. • If Mifare reader: users can only be added/deleted on external reader. 													
Programming Step	Keystroke Combination																																																							
1. Enter Program Mode	* (Master Code) #																																																							
2. Card access	4 0 #																																																							
OR	2. Card+PIN access	4 1 #																																																						
OR	2. Card or PIN access	4 2 # (Factory default)																																																						
OR	2. Multi cards/PINs access	4 3 (2-9) # (Only after reading 2-9 cards or inputting 2-9 PINs, the door can be opened)																																																						
3. Exit	*																																																							
Programming Step	Keystroke Combination																																																							
1. Enter Program Mode	* (Master Code) #																																																							
2. Control Sounds	OFF = 7 0 # ON = 7 1 #																																																							
OR	2. Control LED	OFF = 7 2 # ON = 7 3 #																																																						
OR	2. Control Keypad Backlit	OFF = 7 4 # ON = 7 5 # (factory defaults are ON)																																																						
3. Exit	*																																																							
Programming Step	Keystroke Combination																																																							
1. Enter Program Mode	* (Master Code) #																																																							
2. PIN input bits	8 (4 or 8 or 10) # (factory default is 4bits)																																																							
3. Exit	*																																																							