COGENT

a 3M Company

3M

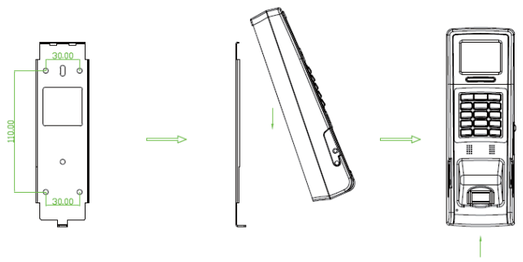
Mini-Gate User Manual

Address：10/F， Tinwe Industrial Park Phase 2, Liufang Road No.6, Area No.67, Baoan District, ShenZhen

Tel：+86 - 755 - 86013579　　Fax：+86 - 755 - 86013575

Device Installation Guide

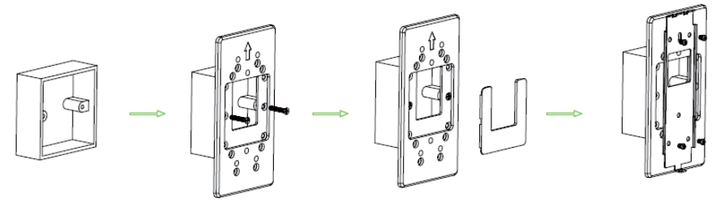
Option 1： On wall directly



Step 1　　Step 2　　Step 3

Step 1: Screw stainless steel plate according to the 4 holes marked on the drawing,choose right size of screws by different walls.
Step 2: Insert installing device aimed to stainless steel plate.
Step 3: Fasten this screw on the bottom.

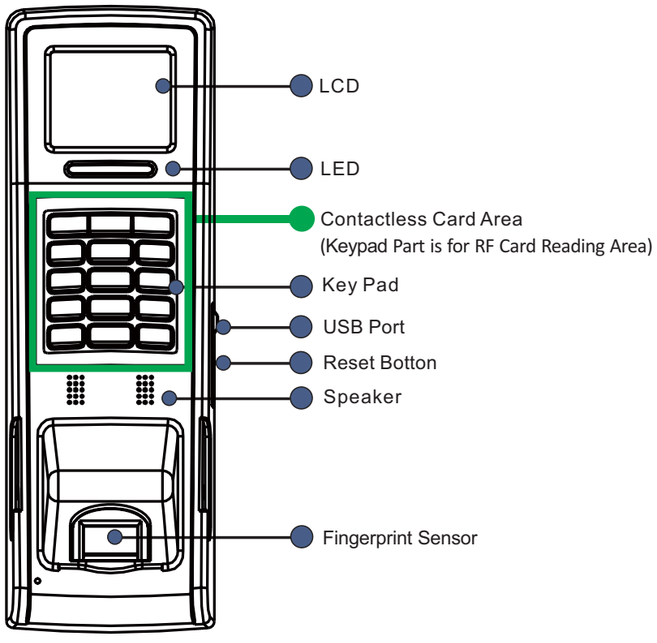
Option 2： The cassette (86x86) on wall



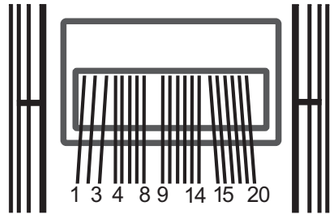
Step 1　　Step 2　　Step 3　　Step 4

Step 1: Cassette（86*86）
Step 2: Screw fixing board to cassette, choose the right size of screws by different cassettes.
Step 3: Cover the fixing board.
Step 4: Screw stainless steel plate to fixing board, then install device on the stainless steel plate.

Introduction for Function and Technical Data



List	Quantity
Mini-Gate biometric access control	1
Fixing board A (plastic)	1
Fixing board B (plastic)	1
Screw （PM4X5）	4+2
Screw（PWM3X5）	1
Power Adapter（DC 12V/1.5A）	1
RJ45 Network Port Connector	1
DC12V Power Connector	1
L spanner	1
Mini-Gate User Manual	1



Type	No	Name	Color
Relay	1	Relay 12V+	Yellow
	2	Relay-	Orange
	3	GND(Relay GND)	Black
Wiegand	4	Wiegand_In_D1/LED_Input	Brown
	5	Wiegand_In_D0	Purple
	6	GND(Wiegand GND)	Black
	7	Wiegand_Out_D1	White
	8	Wiegand_Out_D0	Green
RS485 Power	9	P_GND(Safety GND)	Yellow&Green
	10	GND(RS485 GND)	Black
	11	RS485+	Blue
	12	RS485-	Gray
	13	GND(Power GND)	Black
	14	Power_In(12V)	Red
Ethernet	15	POE-	Green
	16	POE+	Yellow
	17	RX-	Blue
	18	RX+	Green
	19	TX-	White
	20	TX+	Yellow

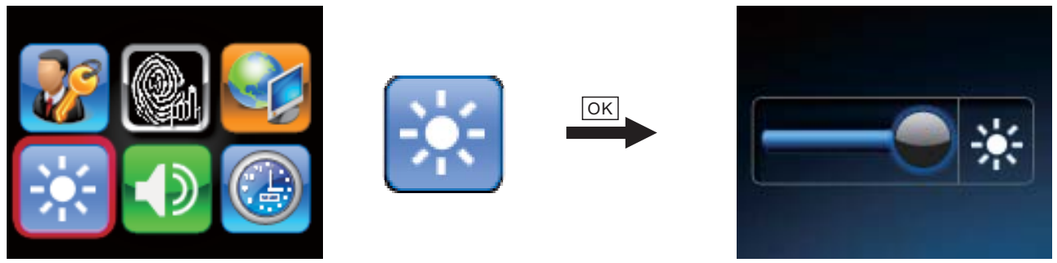
- Model：ACD100P-CS
- Processor：SAM9G45@400MHz, Processor
- Memory：128 MB DDR/ 128MB Flash
- Expansion Memory：Micro SD(2GB for default configuration)
- LCD Display：1.8" TFT Color LCD
- LED Indicator： Multi-color × 3
- Keypad：3 X 5 keypad
- Audio：Beep
- PC Port：High Speed USB2.0
- Built-in Relay: 1
- Power supply：12V DC/1.5A
- Current：450mA @ 12V
- Operating Temperature：0 ~ 50° C
- Storage Temperature：0 ~ 60° C
- Fingerprint Sensor：Cogent CSD100, 500dpi Optical Sensor, (FBI Certified)
- Matching Speed：1:1 ⩽1.2s，1:N ⩽2s (N⩽5000)
- FRR：1%
- FAR：0.001%
- Matching Security Grade：Lower, Middle, High (Configurable)
- Acceptable Fingerprint Rotation：+/-15 degree (Default)

Module and Function Guide

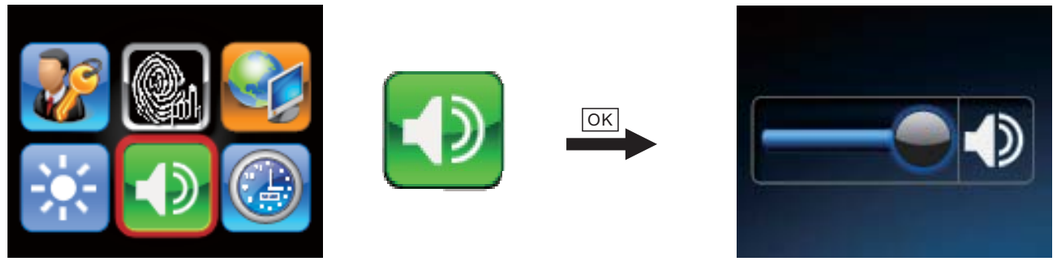
Standard Mode

Time Setting

Lightness Setting



Voice Setting

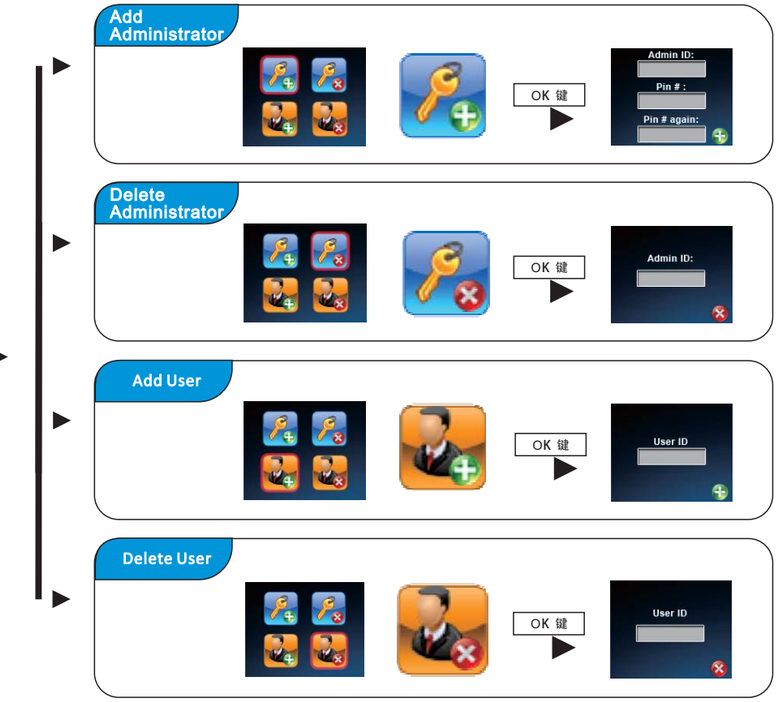


Network Setting

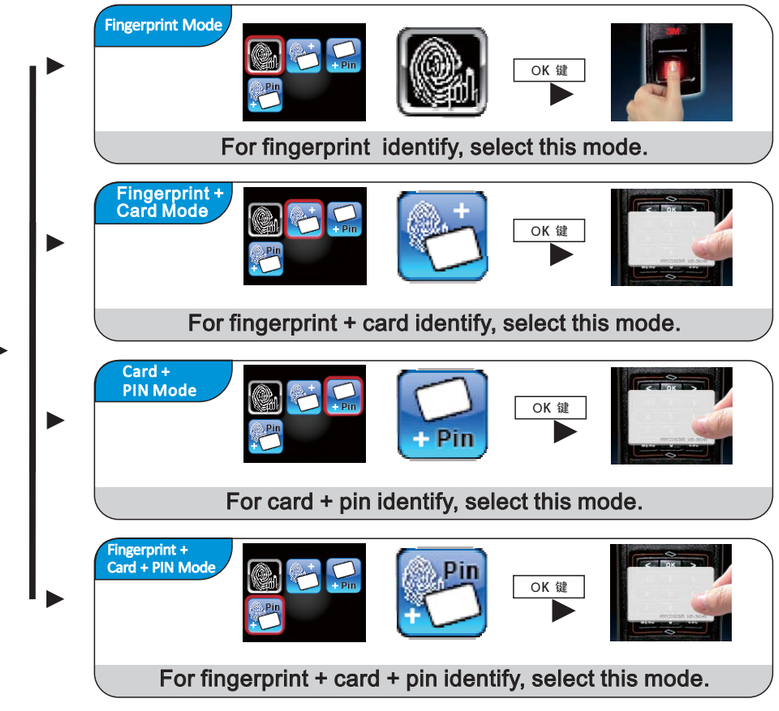
Advanced Mode

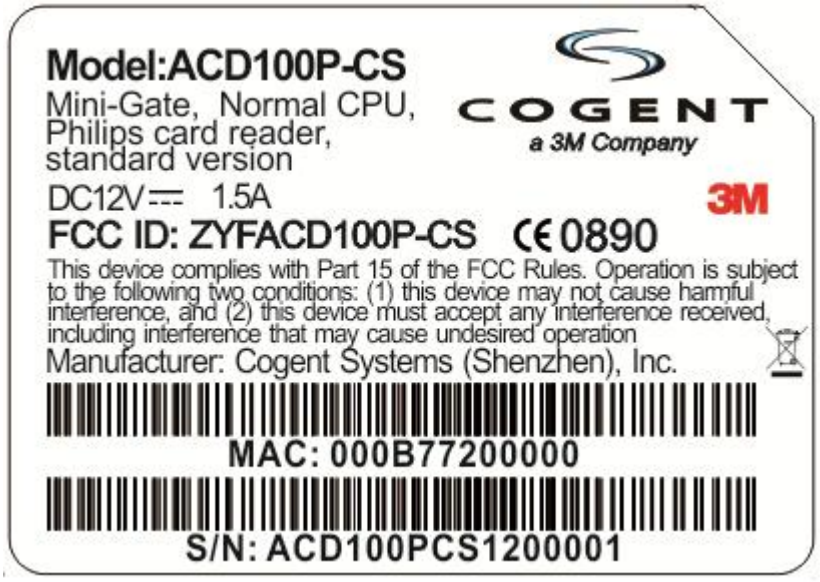
Administrator Setting and User Setting

Note:
Factory Default: Administrator user ID:"1"; Pin #:"1".
This will be invalid after new admin setup.
"User setting" should be changed to "admin setting"



Mode Setting





FCC Statements

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

This equipment has been tested and found to comply with the limits for a 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, uses 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

Remark: USB port is used to firmware upgrade purpose, without loading.