DAC844 User Manual

Notice and Disclaimer

This manual's sole purpose is to assist installers and/or users in the safe and efficient installation and usage of the system and/or product, and/or software described herein.

BEFORE ATTEMPTING TO INSTALL AND/OR USE THE SYSTEM, THE INSTALLER AND THE USER MUST READ THIS MANUAL AND BECOME FAMILIAR WITH ALL SAFETY REQUIREMENTS AND OPERATING PROCEDURES.

- 1 The system must not be used for purposes other than those for which it was designed.
- 2 The use of the software associated with the system and/or product, if applicable, is subject to the terms of the license provided as part of the purchase documents.
- 3 Anviz global.Inc and/or its related companies and/or subsidiaries' (hereafter: "Anviz") exclusive warranty and liability is limited to the warranty and liability statement provided in an appendix at the end of this document.
- 4 This manual describes the maximum configuration of the system with the maximum number of functions, including future options. Therefore, not all functions described in this manual may be available in the specific system and/or product configuration you purchased.
- 5 Incorrect operation or installation, or failure of the user to effectively maintain the system, relieves the manufacturer (and seller) from all or any responsibility for consequent non-compliance, damage, or injury.
- 6 The text, images and graphics contained in the manual are for the purpose of illustration and reference only.

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- 7 All graphics in this manual are for reference only, some deviation between the image(s) and the actual product may occur.
- 8 All wiring diagrams are intended for reference only, the photograph or graphic of the PCB(s) are intended for clearer illustration and understanding of the product and may differ from the actual PCB(s).

Catalogue

1.1	Pro	duct feature5
	1.2	Product parameters
2	Produ	uct Operation
	2.1	Product Communication
		2.1.1 Net Work Communication wiring7
		2.1.2 RS485 Communication
	2.2	Product Interface
	2.3	Product Wiring 10
		2.3.1 DAC844 Earth Wiring 10
		2.3.2 Reader, Switch and Door Contact Wiring 10
		2.3.3 Lock connection 11
		2.3.4 RS485 Wiring 11
		2.3.4 LED
3	DAC	system Overview
	3.1 9	Starting the Software
	3.2 9	Starting the Software 14
	3.3	Device Management 15
		3.3.1 Controller Operation
		3.3.2 Door Operation
		3.3.3 Time Zone
		3.3.4 Privilege
		3.3.5 First Card
		3.3.6 Multi Card 37
		3.3.7 Crontab 40
		3.3.8 Access Records 41
	3.4	User management 42
	3.5	Real Time Monitoring 46
4	Initi	alization the Access Controller 49
5	Upg	rade Firmware for DAC84450

1 Product Introduce

DAC84 is a simple and flexible access controller. It is based on TCP/IP communication. The device adopts the latest PCB process design to make sure the working stable and reliable, meet the different needs of the market.

The 20000 users and 200000 records huge storage capacity, meet the medium scale enterprise access control requires. Support 4 standard Weigand26 readers input. Both with TCP/IP and RS485 communication mode easily upgrade the access control without rewiring.

The DAC844 combine with Anviz intelligent management Distributed Access Controller system (AIM-DAC system) . The DAC system is user-friendly, intuitive, and rich in functionality. Not only support Anviz RFID product also with Anviz fingerprint products.



DAC844 Access control panel

1.1 Product feature

DAC844 is a powerful and suitable for a wide range of access control solutions.

- 4 standard Wiegand 26 input for 4 doors
- 4 relays output directly control 4 locks (Maximum Current <5A)
- TCP/IP network communication , RS485 communication (Baud Rate:115200bps)
- Support Min USB port firmware upgrade
- 20000 Users and 200000 records capacity
- 4 Switching Signal input and 4 door contact input
- Fire Alarm input for open the door
- Duress open door and send alarm to system.
- Pluggability connection pins flexible install and replace.

System Automatic Restoration (Watchdog)

If temporary the system in trouble by unusual interference (Noise, Shock and Inverse Current), Watchdog function senses it automatically then the function lets system work correctly.

Anti-Pass back

Anti-Pass back rules can be applied to each access area to prevent one user's card or entry code from being used for two subsequent entries, and to prevent a second entry without a previous exit.

Door Interlock

Door Interlock sometimes referred to as Mantrap, prevents two or more related doors from opening at the same time. It may be useful for the entry holes of Clean Rooms, or in other facilities with two exit doors. It should only be possible to open one door at a time with a valid user code. The Door Interlock must have door contact equipment.

First Card function

The First Card function is that the first card has especial privilege. After verified the first card, the door will change status. The first card function needs setting the time and door status before activate the first card function.

Multi Card Function

Multi Card Function is that before entering in an important area need verify different cards at same time. The Multi Card function needs setting multi registered cards then upload the privilege to the door.

Duress Open Door

This function is used to notice any case that the door has to be opened by force. In case of duress, enter the Duress Password and <ENT> key before the normal access process then the door will be opened as normal but the duress alarm is also generated at the same time and the duress alarm output will send to the system.

Crontab

Setting time, and at this time the door will change status automatically.

Real Time Monitoring

Monitoring user access records, Fire Alarm Record, Duress Open Door Record and Door Status (Need door contact equipment)

1.2 Product parameters

Parameter	Describe
Working Power	12V -4A
Max/Min Working Current	Standby: 86mA Max: 560mA
Input	4 Switching Signals, 4 door contacts
Relay	4 relays 12V 5A (NO NC COM)
LED prompt	22 LEDs
Communication	TCP/IP, RS485 (115200bps)
Working Temperature	-10°C—50°C
Working Humidity	0-80%
Size	128*128*15mm (H*W*D)
Weight	

2 Product Operation

2.1 Product Communication

2.1.1 Net Work Communication wiring





2.1.2 RS485 Communication



RS485 Communication mode

2.2 Product Interface



NO.	Describe	NO.	Describe
1	Power Input	7	4 Switching Signal Input
2	Min USB port (Upgrade firmware)	8	4 Door Contact Input
3	TCP/IP port	9	4 Relay Output (NO, NC, COM)
4	RS485 port (A+,B-,GND)	10	4 Readers Input
5	I2C Expand Port ()	11	Restart Button
6	Fire Alarm input	1	Earth

2.3 Product Wiring

Please follow below steps wiring with DAC844:

- 1 Please make sure the DAC844 connect with Earth.
- 2 Connect with Reader, Switch and Door Contact equipment
- 3 Connect with Lock
- 4 RS485 communication
- 5 LED prompts

2.3.1 DAC844 Earth Wiring



2.3.2 Reader, Switch and Door Contact Wiring



Remark: Exit Button means Switch

Door Sensor means Door Contact

Reader, Switch and Door Contact

2.3.3 Lock connection



Lock and Relay

2.3.4 RS485 Wiring



RS485 Wiring

2.3.4 LED



No.	Describe (Y=Yellow G= Green)
1	Switch Signal prompt LEDs (Y)
2	Door Contact prompt LEDs (Y)
3	Relays prompt LEDs (G)
4	Reader Wiegand 26 input prompt LEDs (G)
5	RS485 Communication prompt LEDs (Left: Y Right: G)
6	Fire Alarm Input (G)
7	Power (G)
8	WatchDog (G)

3 DAC system Overview

AIM-DAC System is controlled through an easy to use interface, with a three modules of all aspects of the device setup, and windowed design for standard operations.

3.1 Starting the Software

This section explains how to start the software and log in to the main window.

Staring DAC System

Click the DAC icon on the desktop, or select the program from the DAC folder in the Start menu. The DAC Software login dialog appears.

_		
	Use Namer	
		Confirm

DAC Software Dialog box

1. Enter a Use Name and type a Password.

Note: By default, the User Name is "admin" and Password is "1".

2. Click "Confirm"

The main DAC window opens.

Note: The SW versions in the screenshots are exemplary.

3.2 Starting the Software

The entire central functionality of AIM-DAC System is available from its main window.



Figure 3.2 AIM DAC System Main windows

The AIM DAC System Main window has three Parts:



Description

Controls the software general operation and device setup.



0

Controls register User information in the System.



Real Time Monito

Monitoring all the access, alarms and error events.

AIM DAC V1.0

Click "^{**}" back to AIM DAC System Main windows.

☆ _ = ×

3.3 Device Management

Device Management controls the software general operation and device setup.

AIN DAC V1.0					👚 – 🗎 🔨
			Controller list		
Serila No	Controler No	Communication Method	Port	Detail Info	
10	449209	TCP/IP	192.168.20.196		
11	449210	TCP/IP	192.168.20.197		
					-
Edit Setting					
Controllar S/N		Q Select		🔍 Search 🛛 🕢 Add 🖉 🤤 Delete	Modify
Cantrallar Dans Time	Zana Dádana Dational	Multi Card Dalamad Comment			
Controller Door Time	Zurie Privilege Pirst Lard	multi card Delayed command	s Access records		

Controller list: All of added controllers will display in the Controller list.

3.3.1 Controller Operation

Controller option has two parts.

Part One:

Edit: Add and edit the DAC844 device information into the software.

	Edit Setting		
	Controllar S/N	Q Select	Search Add Delete Modify
C	ontroller Door Time Zone Privilege First Card	Multi Card Delayed Commands Access records	

Controller S/N: After added the controller in the software, the administrator could select controller via the controller ID.

Search: Click "Search" option into Quick Add Device interface.



AIM-DAC System

DAC			×	DAG				
Controller ID	IP address	Mask Gateway	MAC Address	Controller ID	IP address	Mask	Gateway	MAC Address
				449211	192.168.20.48	255.255.255.0	192.168.20.1	
II								
	Dev IP: 192 *	168 * 0 * 10 *			Dev IP: 192 A	168 🔺 20 -	▲ <u>48</u> ▲	
	Devin. 132 -				132 -	100 - 20 ,	• **	
Subne	et Mask: 255 💲	255 \$ 255 \$ 0 \$		Subne	et Mask: 255 💲	255 💲 255 ;	• • •	
Gate	eway IP: 192 💲	168 🗘 0 🗘 1 🗘		Gate	sway IP: 192 🌻	168 🗘 20 :	1 0	
🔲 Filter Re	egistered	🔍 Seach 🛛 🧭	Modify 🕢 Add	🗌 Filter Re	gistered		🔍 Seach 🛛 🥥	Modify 💽 🔂 Add

Quick Add Device Interface

Click "**Search**" option, the software will list out all the DAC844 devices which connect in the LAN. Select the device, the device network parameter displays as below and you can modify the network parameter as you need. Click "Modify" to setting and save the DAC844 device's newwork. Click "Add" you will success add a DAC844 device in the software.

Note: The	Quick Add Mode only	suit for DAC811 TCP/IP	connection mode
NULE. INC	QUICK AUG MODE OHI	SUILIOLDAC044 ICE/IE	connection mode.

Add: To manual to add a DAC844 device. The DAC844 support two connection mode. TCP/IP and RS485 connection mode.

Add			x
Controller No:	448	13	
Connection Mode:	LAN	192.168.0.100	
Detail Info:			
		Save	Cancel

TCP/IP mode:

Please enter the "Controller No.". The "Controller NO." is the unique ID of the DAC844. You can find it in the DAC844 Package or on the DAC844 product lable. It is a 6 digit number. Such as "44893".

Select "LAN" in "Connection Mode" and input IP address which you need.

"Detail Info": Input DAC844 devices describe information.

"Save": To save the device setting.

"**Cancel**": To cancel the device setting.

Add			X
Controller No:	44893	3	
Connection Mode:	сом 🔽		
Detail Info:		Com1 Com2 Com3 Com4 Com5	
		Com6 Com7 Com8	Cancel

RS485 mode

Please enter the "**Controller No.**". The "**Controller NO.**" is the unique of the DAC844. You can find it in the DAC844 Package or on the DAC844 product lable. It is a 6 digit number. Such as "44893".

Select "COM" in "Connection Mode" and Select Com Port number in the drop down list.

"Detail Info": Input DAC844 devices describe information.

"Save": To save the device setting.

"Cancel": To cancel the device setting.

Seria No Controler No Pot Detail Info 10 445006 TCPAP 150 (56.015) 11 445210 TCPAP 152 168 20 197	Seria No Controlet No Port Detail Info 10 44505 152163.0196 192163.0196 11 445210 TCP/AP 152169.20197
Seria No Consider No Consider No 10 445001 107/42 11 445210 107/42	Series No Contraction Mode Pot Detail Info 10 445233 102/2 152/162/01/95 152/162/01/95 11 445210 TCP//P 152/162/01/95
10 44509 100/40 102 168 20 195 11 445210 1CP/#P 152 168 20 197	10 44505 10000 15016820158 11 445210 TCPAP 15216820157 Prompt Continue Operation? 通び 画()
11 443210 ICPAP 152168-20197	11 449210 TCPAP 192168.20197
Prompt X Continue Operation?	Prompt Continue Operation? R(1) R(1)

"**Delete**": Please select DAC844 device in the "Contorller list" and click "Delete" to delete device.

M Search				x
Controller ID:	449236	ò		
mmunication Method:	LAN 💌	192.168.1.150		
Detail Info:	Net			
		🖉 Save	Cancel	

"Modify": Click "Modify" to input DAC844 devices describe information and change the device

connection mode.

Part Two:

Setting: It is general operation and device setup. Include "Status", "Advanced", "Password", "Communication" and "Clear" functions.

At the left side of the "Setting" interface display the selected DAC844 device's information; include "Controller No.", "Connection Mode" and Device status.

		Status Advanced F	assword Commu	nication Clear					
Controllar Nor	449209	NO.1 Door		NO.2 Door		NO.3 Door		NO.4 Door	
Comm Type	LAN	Door Open Delay	3000 🗘	Door Open Delay	3000 💲	Door Open Delay	3000 💲	Door Open Delay	3000 🛟
Pat	192.168.20.196	Door Status	Online 💌	Door Status	Online 💌	Door Status	Online 💌	Door Status	Online 🔽
<u>Skibo</u>	On								
		Timing					Sunc	htonization	Calup

"**Status**": controls each relay and relay status on the DAC844. (The DAC844 have 4 relays output.)

"**Door Open Delay**": controls the relay working delay time. (3000 means 3000ms. The minimum delay time is 100ms. ms= millisecond)

"Door Status": There are three door statuses. Online, NO and NC

"Online" means the relay in standby. When someone accessed the device the relay will open.

"NO" means the relay always open.

"NC" means the relay always close.

"**Timing**": Setting the time to the device. The device will synchronize the time with PC system. "Synchronization": Select this option will help administrator quick setting all the relay in the device. The administrator just needs setting the first relay status, the others relays will have the some status as the first one.

After setting all the status of the delay, please click "**Setup**" upload all the settings in the DAC844 device.

Edit Setting		
	Status Advanced Password Communication Clear	
Controllar No: 449210	First Card, Multi Card Anti-Passback Interlock. Forced Password	
Comm Type: COM	N0.1 Door N0.2 Door	N0.3 Door N0.4 Door
Paul Com1	Enable Multi Card 10 \$ Enable Multi Card 10 \$	Enable Multi Card 10 C
Status On		
		Setup

"**Advanced**": Controls the advanced functions in the DAC844 device. Include "First Card, Multi Card", "Anti-Passback", "Interlock" and "Forced Password" functions.

"First Card, Multi Card": Enable the First Card and Multi Card function. The Multi Card need

verify more than one card to pass access. The "10 = "is the valid time gap between two cards verify on the DAC844. (Default is 10 second)

Edit Setting	
	Status Advanced Password Communication Clear
Controllar gigt 449210	First Card, Multi Card Anti-Passback Interlock Forced Password
Camm Type: COM	Anti-passback
Pate Com1	
Sitaius On	AB.CD
Controller Door Time Zone Privilege	First Card Multi Card Delayed Commands Access records

Anti-Passback: enable Anti-Passback rules can be applied to each access area to prevent one user's card or entry code from being used for two subsequent entries, and to prevent a second entry without a previous exit. In the drop down box there are three options.

A-B: Reader A and Reader B two readers make up an Anti-Passback application.

C-D: Reader C and Reader D two readers make up an Anti-Passback application.

A-B C-D: Four Readers make up two areas Anti-Passback application.

Please click "Setup" upload all the settings in the DAC844 device.

Edit Setting	
	Status Advanced Password Communication Clear
Existentiar No: 449209	First Card, Multi Card Anti-Passback Intellock Forced Password
Comm Typer LAN	
Pate 192.168.20.1	
Status On	ABCD

Interlock: Enable door Interlock to prevent two doors from opening at the same time. It should only be possible to open one door at a time with a valid user code. In the drop down box there are three options.

A-B: Reader A and Reader B two readers make up an Interlock application.

C-D: Reader C and Reader D two readers make up an Interlock application.

A-B C-D: Four Readers make up two Interlock applications.

Please click "Setup" upload all the settings in the DAC844 device.

Note: The Door Interlock must have door contact equipment.

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AIM-DAC System

Edit Setting		
		Status Advanced Password Communication Clear
Controllar No:	449209	First Card, Multi Card Anti-Passback Interlock Duress Password
Comm. Type:	LAN	Duress
Port	192.168.20.196	
Status	On	

Duress Password: Enable the Duress Password function. When input the Duress Password the door will be opened as normal but the duress alarm is also generated at the same time and the duress alarm output will send to the system. The Maximum duress password supports 10 digit numbers in DAC system.

Please click "Setup" upload all the settings in the DAC844 device.

Setting					
Controllar Nor 449209	Status Advanced Password Comr	nunication Clear			
Comm Type: LAN	Reader A	Reader B	Reader C	Reader D Enable PIN Pad	
Pail: 192.168.20	196 Enable password	Enable Password	Enable Password	Enable Password	
States: On	Card + Password	Card + Password	Card + Password	Card + Password	
				Setup	

Password: Controls all of PIN Pad operation. Include enable PIN Pad, Super Password, Card+Password functions.

Enable PIN Pad: Enable PIN Pad function the DAC844 device will support the KEY pad reader and number input from the KEY pad. And the Duress Password function can be used.

Enable password: After enable this function the DAC844 could be accessed by Super Password.

Card+Password: Enable this function. The user could input Card number and Password to access the DAC844 without carry the card. Or the user must swipe registered card and input password to access the DAC844.

Password timeout: It is the time gap for input the password. (20 means 20second) Please click "Setup" upload all the settings in the DAC844 device.

Setting	
Postalia No. 440200	Status Advanced Password Communication Clear
Sentelaring 443203	Reader Super Password
Comm Type: LAN	Enable password1 1234567890
Pour 192.168.20.196	Enable password2
States On	Enable password3 0
	Enable password4

Super Password: Input super password from with Key pad Reader, the super password could access the DAC844 device directly without swipe any card. Each reader with only one super password and the maximum super password is 10 digit numbers.

Please click "Setup" upload all the settings in the DAC844 device.

Edit Setting									
		Status Advanced	Password	Comm	unication	Clea	ar 🛛		
Controllar No: 4	449209								
form flore [LAN	Dev IP:	192	: 🗣	168 📮	U	÷	10 🜩	
Common of Spice -		Subnet Mask	255	5 🗘	255 💲	255	\$	0 🛟	
Pate	192.168.20.196	Gateway IP:	192	\$	168 💲	0	\$	1 🗘	
diatus: (Dn	MAC Addr:	00	00	00	00	00	00	

Communication: Check and modify the DAC844 device network parameter.

Search: Click "Search" the software will find out the selected DAC844's network parameter. You can modify all the network parameter except "**MAC Addr:**".

Note: MAC Address is unique for each DAC844 device.

Please click "Setup" save and upload all the settings in the DAC844 device.

Edit Setting						
		Status Advanced Passwor	rd Communication Cle	ar		
Controllar No:	449209					
Comm Typer	LAN	User Privileges	Record	🔲 Time Zone	Delayed Commands	
Port	192.168.20.196	First Card	Multi Card			
Status	On					
						Clear

Clear: To clear the settings in the DAC844 device. Please select the settings which you want to clear.

Please click "Clear" to clear the settings in the DAC844 device.

3.3.2 Door Operation

	AC V1.0										Petail Info 449209-1 449209-3 449209-3 449209-4	- = :
						Contro	iller list					
L I	Serila No	0	ontroler No	Connect	tion Mode		Port	L	D	etail Info		
	10		449209	TCP	IP	19	2168.20.196		5	otan milo		i i
	11		449210	Seria	1	C	om1					
Door E	dit Door I	Group	All the Dor	il Beader No	Detail In	fo	Serial No	Controller No	Control	ar Door Beader No	Detail Info	
	07	0011101011110	DODITIO	August	449209		37	440200	Doorno	moddorreo	Dotainino	
		449209	Gate 1	A IEauer				443203	Gate 1	A reader	449209-1	- 6
6-	37	449209 449209	Gate 1 Gate 2	B reader	449209	1-2	38	445205	Gate 1 Gate 2	A reader B reader	449209-1 449209-2	Ē
	37 38 39	449209 449209 449209	Gate 1 Gate 2 Gate 3	B reader C reader	449209 449209	H2 H3	38	449209 449209	Gate 1 Gate 2 Gate 3	A reader B reader C reader	449209-1 449209-2 449209-3	
	37 38 39 40	449209 449209 449209 449209	Gate 1 Gate 2 Gate 3 Gate 4	B reader C reader D reader	449209 449209 449209	1-2 1-3 1-4	38 39 40	449209 449209 449209 449209	Gate 1 Gate 2 Gate 3 Gate 4	A reader B reader C reader D reader	449209-1 449209-2 449209-3 449209-4	_
	37 38 39 40 41	449209 449209 449209 449209 449209 449210	Gate 1 Gate 2 Gate 3 Gate 4 Gate 1	B reader C reader D reader A reader	449209 449209 449209 449210	H2 H3 H4	38 39 40	449209 449209 449209 449209	Gate 1 Gate 2 Gate 3 Gate 4	A reader B reader C reader D reader	449209-1 449209-2 449209-3 449209-4	
	37 38 39 40 41 42	449209 449209 449209 449209 449210 449210	Gate 1 Gate 2 Gate 3 Gate 4 Gate 1 Gate 2	B reader C reader D reader A reader B reader	449209 449209 449209 449210 449210 449210	H2 H3 H4 H1	38 39 40	449209 449209 449209 449209	Gate 1 Gate 2 Gate 3 Gate 4	A reader B reader C reader D reader	449209-1 449209-2 449209-3 449209-4	
	37 38 39 40 41 42 43	449209 449209 449209 449209 449210 449210 449210	Gate 1 Gate 2 Gate 3 Gate 4 Gate 1 Gate 2 Gate 3	B reader C reader D reader A reader B reader C reader	449209 449209 449209 449210 449210 449210 449210	H2 H3 H4 H1 H2	38 39 40	449209 449209 449209 449209	Gate 1 Gate 2 Gate 3 Gate 4	A reader B reader C reader D reader	449209-1 449209-2 449209-3 449209-4	
	37 38 39 40 41 42 43 44	449209 449209 449209 449209 449210 449210 449210 449210	Gate 1 Gate 2 Gate 3 Gate 4 Gate 1 Gate 2 Gate 3 Gate 4	A reader B reader C reader D reader A reader B reader C reader D reader	449209 449209 449209 449210 449210 449210 449210 449210	H2 H3 H4 H2 H2 H3 H4	38 39 40	443209 449209 449209 449209	Gate 1 Gate 2 Gate 3 Gate 4	A reader B reader C reader D reader	449209-1 449209-2 449209-3 449209-4	
	37 38 39 40 41 42 43 44	449209 449209 449209 449209 449210 449210 449210 449210	Gate 1 Gate 2 Gate 3 Gate 4 Gate 4 Gate 1 Gate 2 Gate 3 Gate 4	A reader D reader D reader A reader B reader C reader D reader	449209 449209 449209 449210 449210 449210 449210 449210	H2 H3 H4 H1 H2 H3 H4	38 39 40	443209 449209 449209 449209	Gate 1 Gate 2 Gate 3 Gate 4	A reader B reader C reader D reader	449209-1 449209-2 449209-3 449209-3	
4	37 38 39 40 41 42 43 44	449209 449209 449209 449209 449210 449210 449210 449210	Gate 1 Gate 2 Gate 3 Gate 4 Gate 1 Gate 1 Gate 2 Gate 3 Gate 4 449205	A reader B reader C reader D reader A reader B reader C reader D reader D reader	449209 449209 449209 449210 449210 449210 449210	H2 H3 H4 H1 H2 H3 H4	38 33 40	443203 443203 443203 443203	Gate 1 Gate 2 Gate 3 Gate 4	A reader B reader C reader D reader	449209-1 449209-2 449209-3 449209-4	,

The Door option includes **Door Edit** and **Door Group** functions.

Door Edit: Edit the door information, add door description information, to help administrator to remark the door.

		All the Do	a)				Control	ler Door		
Serial No	Controller No	Door No	Reader No	Detail Info 🔺	Serial No	Controller No	Door No	Reader No	Detail Info	
	449209	Gate 1	A reader	449209-1	37	449209	Gate 1	A reader	449209-1	
38	449209	Gate 2	B reader	449209-2	38	449209	Gate 2	B reader	449209-2	
39	449209	Gate 3	C reader	449209-3	39	449209	Gate 3	C reader	449209-3	
40	449209	Gate 4	D reader	449209-4	40	449209	Gate 4	D reader	449209-4	
41	449210	Gate 1	A reader	449210-1						
42	449210	Gate 2	B reader	449210-2						
43	449210	Gate 3	C reader	449210-3						
44	449210	Gate 4	D reader	449210-4						
Controllar .	D:	44920	9 🔍 Select				Add 🕤	Delet	e 🛛 🕢 Modify]

There are two parts in **Door Edit** interface, include **"All the Door**" and **"Controller Door**". **All the Door**: Listed out all of doors in each controller.

Controller Door: list out selected DAC844 controller's door.

The administrator could edit door information via select controller.

Controller ID: Input controller ID and click "Select", all of doors will list in controller door column.

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AIM-DAC System

and Add	×	Add	x
Controller ID: 449209 Door ID: 2 - Detail Information: 2 3 4		Controller ID: 449209 Door ID: 2 V Detail Information: Office B	
Save Cancel		Save Cancel	

Add: add a door for controller and door information.

Note: Because different DAC device support different doors. Such as DAC844 maximum support 4 doors. By default the software list out all of doors for a controller. So you do not need add doors when you first time to use software.

Delete: delete spare doors for the controller. Please select spare doors which you want to delete click "Delete" to dele.

Note: After delete doors, you can use "Add" function to retrieve the door.

Modify: modify the door information. Please select the door which you want to modify.

Door Edit Door Group		
Door Group List	Added Group List	Unorganized Group List
S/N Group Group Info.	Controller Door Reader Detail Info.	Controller Door Reader Detail Info.
Add Delete Modify		
Controller Door Time Zone Privilege First Card Multi Card Delay	ved Commands Access records	

Door Group: Create a group; the group includes many doors from different controllers. The Door Group help administrator to quick setting user privilege.

There are three columns in the Door Group interface, "Door Groups List", "Added Group List" and "Unorganized Group List"

Door Group List: List out created door groups.

Added Group List: List out the door which have added in the group.

Unorganized Group List: List out the door which do not have added in the group.

Mdd Add	2	¢
Door Group Name:		
Door Group Into.		
	Save Canel	

Please click "Add" to create a group. Input group name and information.

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loor Edit Door Group											
Ucor.	STOLD LET		Addaduti	roup List		Unorganizad Group List					
S/N Group	Group Info.	Controller	Door	Reader	Detail Info.		Controller	Door	Reader	Detail Info.	
9 Group 1	office						449209	Gate 1	A reader	449209-1	
							449209	Gate 2	B reader	449209-2	
							449209	Gate 3	C reader	449209-3	
							449209	Gate 4	D reader	449209-4	
							449210	Gate 1	A reader	449210-1	
							449210	Gate 2	B reader		
							449210	Gate 3	C reader		
4 🖂											
Add 🕒 C	elete 🕢 Modify										

After add group, please click the group in "Door Group List" and you could select doors from "**Unorganized Group List**", Clicles " put the selected door to "**Added Group List**", or click " put the door out from "**Added Group List**". By now doors in the "**Unorganized Group List**" reduced.

Door Edit Door Group								
Door Group List	Added Broup List	Unorganized Broup List						
S/N Group Group Info.	Controller Door Reader Detail Info. 🔺	Controller Door Reader Detail Info. 🔺						
9 Group 1 office	449209 Gate 1 A reader 449209-1	449209 Gate 2 B reader 449209-2						
	449210 Gate 1 A reader 449210-1	5 449209 Gate 3 C reader 449209-3						
		449209 Gate 4 D reader 449209-4						
		449210 Gate 2 B reader						
		449210 Gate 3 C reader						
Add Delete Modify								
Controller Door Time Zone Privilege First Card Multi Card Delay	ed Commands Access records							

Delete: Delete the door group. Select the door group in the "**Door Group List**", click "**Delete**" to delete.

Modify: Modify the door group information. Select the door group in the **``Door Group List**", click **``Modify**" to edit door group information.

3.3.3 Time Zone

The Time Zone is the main function for AIM-DAC system. A time zone defines a weekly time period or set of time periods, for example, "Office Hours" or "Out of Office Hours". Door access rights, input and output behavior can all be set to behave differently within each Time Zone.

AIN DAC ¥1.0						☆ _ = ×
			Controllar list			
Serila No	Controler No	Communication Method	Port	Detail Info	1	
▶ 10	449209	TCP/IP	192.168.0.100			
11	449210	Serial	Com1			
Serial No Time.	Zone No Time Zone Name	Start Date End Date	Next Time Zone 1	Ist Time Zone Start 1st Time Zone Er	d 2nd Time Zone Start	2nd Time Zone End
4						4
Time Zore No	2	V Monday	the Time Zone St	aik 09:00:00 🛟		
		V Tuesday	lat Time Zone E	ne) 18:00:00 🛟		
Tima Zona Rama	Working Lime	✓ Wednesday				
Siau Data	2013-01-06 📅	✓ Thursday	and time Zone St	alk 00:00:00 🗘		
Ending Date:	2014-01-07 📅	✓ Firday	2nd Time Zone 2	00:00:00		
Ink Time		Saturday	Sel Tina Zona St	eue 00:00:00 🗘		
		Sunday	Bed Time Zone S	00:00:00		
Controller Door Tim	ne Zone Privilege First Card	100% Multi Card Delayed Commands	Access records	Add Dele	te 🛛 🧭 Modify	Upload

The AIM-DAC System support 255 Time Zone. By default the time zone "0" and "1" are fixed time zones.

Time Zone 0: Normal Close, means all users with time zone 0 that can not pass access the door.

Time Zone 1: Pass any time means all users with time zone 1 that can pass access the door at any time.

Tima Zona No	2	Monday	tst fins Zons Start	09:00:00 \$
Tima Zona Nama	Working Time	✓ Luesday ✓ Vednesday	Ust Tima Zona Endi	18:00:00 🗢
Staul Dater	2013-01-06 👮	V Thursday	2nd Time Zone Star 2nd Time Zone Start	00:00:00 🗘
Ending Dates	2014-01-07 👼	Firday	Stel Line Zone Stear	
link Timer	0	Sunday	Sel Tina Zura Eret	00:00:00 🗘
		100%	Add Delete Modify Upload	
Controller Door Tim	e Zone Privilege First Card M	lulti Card Delayed Comman	ds Access records	

Time Zone No: the software can set 255 time zones. The time zone 0 and 1 is fixed.

Time Zone Name: Input a name to describe the time zone.

Start / Ending Date: Date range of the time zone. The date range can be week, month and year. The format is: YYYY-MM-DD.

Link Time: is a time zone for subsequent event after current time zone. Such as setup "link

time" is "0". That's means all of the door cannot pass after current time zone (Working Time). **Monday---Sunday**: Quick setting for week period.

1st—3rd Time Zone Start / 1st—3rd Time Zone End: One Time Zone could have three time range. The administrator could setting three time rang to make up a time zone.

```
Note: One Time Zone must make up by one time range.
```

After setup a time zone, please click "Add". The time zone will add into AIM-DAC system.

			Controllar list		
Serila No	Controler No	Communication Method	Port	Detail Info	
> 10	449209	TCP/IP	192.168.0.100		
11	449210	Serial	Com1		
Serial No Time	2 <mark>Zone TimeZone Name</mark> 2 Office Working Time	Start Date End Date 2013-01-06 2023-01-06	Next Time 1st Time 0 08:30:00	1st Time 2nd Time 2nd Time 3rd Time 18:30:00 00:00:00 00:00:00 00:00:00	3rd Time 00:00:00
4					Þ
They Zeen der	2	Monday	that Time Zone State	08:30:00 🗘	
1000 5000 000		✓ Tuesday	1st Time Zone End	18:30:00 🚖	
Time Zone Name	Office Working Time	Wadnasdau			
Alexandrates	2012.01.02 🚔	W curicsudy	and time Zone Stad	00:00:00 🗘	
Stell Delet	2013-01-06 7	V Thursday	Seel Time Street Seek	00:00:00	
Ending Dates	2023-01-06 📅	V Firday	Site fille Sale Site		
		Saturday	Sol Time Zone State	00:00:00	
1908 010050	U	Cuedau	Achilles See Set	00-00-00	
		Sunday	315 71113 3013 5101		
		100%		Add Oelete Modify	Upload
Controller Door Tir	ne Zone Privilege First Card	Multi Card Delayed Command	ds Access records		

Then need select a controller (the controller which need with this time zone), in Controller List, and click "Upload" to upload the time zone to selected controller. The system will pop up a window to prompt succeed or failed.

Monday 1st Tima Zona Statit 09:00:00 V \$ Time Zone No. V Tuesday 1st Time Zone End 18:00:00 \$ Tina Zora Nama Vednesday \$ 2nd Time Zone State 00:00:00 Stati Dater V Thursday 2nd Time Zone End 00:00:00 ۵ Ending Date: V Firday 8 9 10 11 V Saturday 3rd Time Zone Stark 00:00:00 \$ link Time: V Sunday 3rd Time Zona End 00:00:00 \$ 12 Add Oelete Modify Opload 13 14 Controller Door Tim First Card Multi Card Delayed Commands Access records

For Example: Access control for normal working time. Start working time is 9:00—18:00 1 Select a **Time Zone No**

2 Input a Time Zone Name

15 16

AIM-DAC System

Tima Zona Ala Tima Zona Alama Sicui Dalar Encing Dalar	2 V Difice Working Time 2013-01-06 梦 2014-01-07 💆	✓ Monday ✓ Tuesday ✓ Wednesday ✓ Thursday ✓ Firday ✓ Saturday	Hat Fima Zona Start Hat Fima Zona Start Zool Fima Zona Start Zool Fima Zona Start Stal Fima Zona Start Stal Fima Zona Start	09:00:00 18:00:00 00:00 00:00 00:00:00 00:00:00 00:00:00 00:00:00 00:00:00 00:00:00 00:00:00 00:00:00 00:00:00 00:00:00 00:00 00:00:00 00:00 00:00:00 0			
		V Sunday	Sol Time Zone End	00:00:00 🗘			
		100%	Add Delete Modify Upload				
Controller Door Tim	Controller Door Time Zone Privilege First Card Multi Card Delayed Commands Access records						

3 Input Start Date and Ending Date

	19591968	Monday	dat fina Zuca dicui	00:00:00
Time Zone Ris 2	19691978	✓ Tuesday	Ist Time Zone Lock	
Time Zone Namer Of	19891998 🕨	V Wednesday		
Stant Dates 20	19992008 🕨	V Thursday	and Time Zone State	00:00:00 🗘
<< < January 20	2009	Eirdau	and time zone and	00:00:00
Mon Tue Wed Thu F	2010	V Hiddy	at the second second second	00.00.00
1 2 3 4	2012	V Saturday	and time some stem	
14 15 16 17 1	2013	January	Stel Tima Zona Brief	00:00:00
21 22 23 24 2	2014	February		
28 29 30 31	2015	March		Modify Upload
Cc 今天: January 6	2016 • 2017 •	April May	Access records	

4 Select Link Time

Normal off duty the office closes the door. So select link time as 0

Time Zone Aba	2	✓ Monday ✓ Tuesday	that Time Zone State That Time Zone End	00:00:00 ¢ 00:00:00 ¢
Tina Zora Rama Skul Data	2013-01-06 👼	✓ Wednesday ✓ Thursday	and Time Zone Stat	00:00:00 🗘
Ending Data link Time	2023-01-06 👼	✓ Firday ✓ Saturday	Std Time Zone State	00:00:00 \$
	1	Sunday	Sel Tima Zona End	
Controller Door Time	3 4 5 a First Card Mu 6	ulti Card Delayed Command	ls Access records	

5 Input **time range** for working time and select week period.

Because the working time range is: 9:00—18:00 from Monday ---Friday.

So we just need use **1st Time Zone Start—1st Time Zone End** that's enough.

And the time range of the **1st Time Zone** we had best more loose time range (Some body will early in office and later out office)

Time Zone Noz 2	✓ Monday ✓ Tuesday	dai Tina Zora Star dat Tina Zora End	08:30:00 \$ 18:30:00 \$
Start Date: 2013-01-06 対	Wednesday Thursday Erdau	2nd Fina Zona Start 2nd Fina Zona End	00:00:00 \$ 00:00:00 \$
Las finer 0	Saturday Saturday Sunday	Sel l'ina Zona Stad Sel l'ina Zona Sind	00:00:00 ¢ DOCODOI ¢
Controller Door Time Zone Privilege First Card	100% Multi Card Delayed Commands A	Add Delete Modify Upload	

6 Upload the Time Zone to controller

Please click "Add" and select the controller in the controller. Click "Upload" to upload time zone to DAC844 device.

			Controller list				
Serila No	Controler No	Communication Method	Port	0	Detail Info		*
10	449209	TCP/IP	192.168.20.196	-			
11	449210	Serial	Com1				
							P
Serial No Tim 2.	e Zone Time Zone Name 2 Office Working Time	Start Date End Date 2013-01-06 2023-01-06	Next Time 1st Time 0 08:30:00	1st Time 2n 18:30:00 00	nd Time 2nd Time 0:00:00 00:00:00	3rd Time 00:00:00	3rd Time 00:00:00
Serial No Tim	e Zone Time Zone Name 2 Office Working Time	Start Date End Date 2013-01-06 2023-01-06	DAC X erstion Successful!	1st Time 2n 18:30:00 00	nd Time 2nd Time 0:00:00 00:00:00	3rd Time 00:00:00	3rd Time 00:00:00
Serial No Tim 2	2 Time Zone Name 2 Office Working Time 2 T	Start Date End Date 2013-01-06 2023-01-06 Image: Comparison of the start of the star	DAC × OK Kall	1st Time: 2n 18:30:00 00 08:30:00 €	nd Time 2nd Time 0:00:00 00:00:00	3rd Time	3rd Time 00:00:00
Serial No Tim 2	e Zone Time Zone Name 2 Office Working Time 2 • 0ffice Vorking Time	Start Date End Date 2013-01-06 2023-01-06 2013-01-06 2023-01-06 ✓ Mond ✓ Tuesd	Next Time 1st Time 0 08:30:00 DAC erstion Successful 0K Sind	1st Time 2n 18:30:00 00 08:30:00 ↓ 18:30:00 ↓	nd Time 2nd Time 0.00:00 00:00:00	3rd Time	3rd Time 00:00:00
Serial No Tim 2	2 Difice Working Time 2 2 2 Difice Working Time 2 Difice Working Time 2 2	Start Date End Date 2013/01-06 2023/01-06 ✓ Mond ✓ Mond ✓ Tuesd ✓ Tuesd	Next Time 1st Time 0 08:2000 DAC eration Successful! OK Snd Time Zone Start	1st Time 2n 1s:30:00 00 08:30:00 00 18:30:00 00 00:00:00 ↓	nd Time 2nd Time 0.00.00 00000	3rd Time	3rd Time 00:00:00
Serial No Tim 2 Time Zone Nor Time Zone Nore Starl Date Starl Date	Zone Time Zone Name Office Working Time Z Office Working Time 2013-01-06 7 2023-01-06 7	Start Date End Date 2013-01-06 2023-01-06 2023-01-06 ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓	Next Time 1st Time 0 08:3000 DAC X er ation. Successful I OK Inter Start 3nd Time Zone Start 3nd Time Zone Start	1st Time 2n 18:30:00 00 08:30:00 00 18:30:00 00 00:00:00 00 00:00:00 00	nd Time 2nd Time 0:00:00 00:00:00	3:d Time 00:00:00	3rd Time 00:00:00
Serial No Tim 2 Fina Zona Nor Tima Zona Nora Star Data Braing Data Braing Data	2 v Office Working Time 2 Office Working Time 2 Office Working Time 2013-01-06 1 2023-01-06 1 0 v	Start Date End Date 2013-01-06 2023-01-06 2023-01-06 V Mond V Tuess V Wednesday V Firday Saturday	Next Time 1st Time 0 08:3000 DAC ************************************	1st Time 2n 1s:30:00 00 08:30:00 00 18:30:00 00 00:00:00 0 00:00:00 0 00:00:00 0	nd Time 2nd Time 0:00:00 00:00:00	3/d Time 00:00:00	3rd Time 00:00:00
Serial No Tim 2 Tima Zone Nor Tima Zone Nor Tima Zone Nama Statt Data Statt Data Statt Data	2 Zone Time Zone Name 2 Office Working Time 2 ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓	Start Date End Date 2013-01-06 2023-01-06 2023-01-06 V Mond V Tuesd V Vednesday V Firday Saturday Sunday	Next Time 1a Time 0 08:30:00 PAC * eration Successful 0K fina Zone Stan 2nd Time Zone Stan 3nd Time Zone Stan 3nd Time Zone Stan 3nd Time Zone Stan	1st Time 2n 18:30:00 00 08:30:00 0 18:30:00 0 00:00:00 ↓ 00:00:00 ↓ 00:00:00 ↓ 00:00:00 ↓ 00:00:00 ↓	nd Time 2nd Time 0:00:00 00:00:00	3/d Time 00:00:00	3rd Time 00:00:00
Serial No Tim 2 Time Zone Mor Time Zone Mone Start Bate Start Bate Start Bate Start Bate	e Zone Time Zone Name 2 Office Working Time 2 2 • 0 ffice Working Time 2013-01-06 * 0 •	Start Date End Date 2013-01-06 2023-06 2020	Next Time 1a Time 0 08 3000 DAC ************************************	1 st Time 2n 13:30:00 00 08:30:00 00 18:30:00 00 00:00:00 \$ 00:00:00 \$ 00:00:00 \$ 00:00:00 \$ 00:00:00 \$ 00:00:00 \$	nd Time 2nd Time 0:00:00 00:00 0:00:0	3:d Time 00:00:00	3rd Time 0000000

3.3.4 Privilege

Privilege option: It is according to the rules of time zone, authorized the user privilege to pass the door or not allowed to pass the door.

Note: Please refer to the section User Management first. Before setting Privilege.

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		Controllar list			
Serila No Controler No	Communication Method	Port	-	Detail Info	A
▶ 10 449209	TCP/IP	192.168.20.196			
11 449210	Serial	Com1			
Frite Universit					-
Upload					
Door Door Group					
Optional Door Beader No. Co	mment	A Ontic	nal Door Beader N	lo Comment	
449209 0 4 449209 1 4 449209 2 4 449209 3 4 449210 0 4 449210 1 4 449210 1 4 449210 2 4	49209-1 49209-2 49209-3 49209-4 49210-1 49210-1 49210-2 49210-3 49210-3				
Optional User Name 9875126 a 10725846 b 65533 c 655540 D	>> Option	nal User Name		Tima Zona Nor 1 Nama Pass Staut Data 2013- End Data 2023-	• any time 01-06 👮 01-06 👮
Controller Door Time Zone Pivilege First C	ard Multi Card Delayed Comman	ds Access records	Allow pass the door	Ban	pass the door

Door / Door Group area:

Edit	Upload								
Door 0ptic 4492 4492 4492	Door Group nal Door R 09 09 09	eader No 0 1 2	Comment 449209-1 449209-2 449209-3	•	>>> >>	Optional Door	Reader No	Comment	
4492 4492 4492 4492	09 10 10 10	3 0 1 2 2	449209-4 449210-1 449210-2 449210-3 449210-4		< <<				
Edit	Upload								
Door	Door Group		Remark	1		Optional Door Group	1	Remark	
Grou Grou Grou	01 02 03		office 1 office 2 office 3		>				
					<				

Left side of the "Door / Door Group area" list out all of doors and door groups.

Click "____" put all of doors or door groups to right side.

Click " put select single door or door group to right side.

The selected doors and door groups will list in right side of the "Door / Door Group area".

ſ	Edit Upload									
	Door Door Group									
	Optional Door	Reader No	Comment	1	>>	Optional Door	Reader No	Comment	1	
	449209	3	449209-4			449209	0	449209-1		
	449210	2	449210-2			449209	2	449209-3		
						449210	0	449210-1 449210-4		
						443210	5	4432104		
					<<					

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ſ	Edit Upload			
	Door Group			
	Optional Door Group	Remark	Optional Door Group	Remark
	Group 3	office 3	Group 2	office 2
			Group 1	office 1
			<	
			<<<	

Click " ____" to put all of selected doors or door groups back to left side. Click " ____" to put single select door or door group back to left side.

User area:

Optional User	Name		Optional User	Name	
9875126 10725846 65539 65540	a b C D				

Left side of the "User area" list out all users registered in the AIM-DAC system.

Click " _____ put all users to right side.

Click " put single user to right side.

The selected users will list in right side of the "User area".

Optional User Name		Optional User	Name	
65539 c 65540 D		9875126 10725846	a h	
			-	
	<			
	< </td <td></td> <td></td> <td></td>			

Click " " to put all users back to left side.
Click " " to put single user back to left side.

Add Time Zone area:

Time Zone No:	1 💌
Name:	Pass any time
Start Date:	2013-01-06 📅
End Date:	2023-01-06 ଟ

Time Zone No: Please select time zone in the drop down box.

Name: Display Time Zone name.

Start Date / End Date: This date range is the privilege expiry date. It is different with time zone.

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EN DAC V1.0						A -	=)
			Controller list				
Serila No	Controler No	Communication Method	Port	Deta	il Info	-	
11	449209	Serial	Com1				
Edit Upload							
Ontional Door	Beader No. Cor	mment	Ontion	al Door Beader No	Comment		
449210 449210 449210	1 44 2 44 3 44	9210-2 9210-3 9210-4	↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓ ↓	9 0 9 1 9 2 9 3 0 0	449209-1 449209-2 449209-3 449209-4 449210-1		
Optional User	Name	>>> Dptional 98775122 >> 1072584 65539 65540 <<	User Name 6 b C D	*	Time Zonatklor 1 Nama Start Date: 2013-01 End Date: 2023-01	vy time 1-07 👮	
ntroller Door Tim	e Zone Privilege First Ca	rd Multi Card Delayed Commands	Access records	Allow pass the door	🖨 Ban pa	ass the door	

After select the door or door group, select the user and set the time zone, the next is authorizing.

Click"	🕞 Allow pass the door	" button the user authorized pass the door.
Click"	🕒 Ban pass the door	" button the user cannot pass the door.

Note: After authorized the user pass the door. The "Ban Pass the door" function uses to cancel user pass door privilege.

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AIM-DAC System

BAC V1.0					A - E
			Controllariat		
Serila No	Controler No	Communication Metho	id Port	Detail Info	
10	449209	TCP/IP	192,168,20,196		
11	449210	Serial	Com1		
it Upload	1				
Optional Door	Reader No	Comment	🗕 💦 Optional	Door Reader No Comment	
149209 149209 149209 149209 149210 149210 149210 149210	0 1 2 3 0 1 2 2	449209-1 449209-2 449209-3 449209-3 449210-1 449210-1 449210-2 449210-3 449210-4	ATT BAC Operation Success	X ful!	
				TimaZonaklor 1 •	
Iptional User	Name	>>	Optional User Name		
875126 9735940	a			Nama Pass any time	8
5720046 5539	c			diau Data 2013.01.07	ret i
5540	Ď			30-10-52-03	2
		< <<		डिल्ट Data 2023-01-07	1
				Allow pass the door	e door
oller Door Tin	ne Zone Privilege Firs	Card Multi Card Delayed Co	mmands Access records		

After "operation Successful!", The user access control privilege has made up and store in the system database. Now we need upload these access control privilege to the corresponding DAC844 devices.

AIN DAC V1.0											^ -	
					Co	itroller list						
Serila No	L C	ontroler No	Commu	unication Method	F	Port Detail Info		ifo			A	
> 10		449209	T	CP/IP	192.1	192.168.20.196						
11		449210	9	erial	Com	1						
												-
Edit Upload												
Serial No	Controller No	Card No	Starttime	Endtime	Password	Time Zone of	Time Zone of	Time Zone of	Time Zone of	Group No of	Group No	of Gr
1												-
				100%	č					👔 Upload Pr	ivileges	
Controller	Time Zen	na de la com	nua lauron	I Dalamad Ca	udu Annas							
Controller Door	Time∠one	rivilege First C	Lard Multi Card	Delayed Comma	nas Access re	cords						

In the "Upload" interface, please select corresponding DAC844 controller in the Controller list. Click " Upload Privileges " to upload Access control privileges to the Controller.

3.3.5 First Card

The First Card function is widely used in public place. Such as Bank hall, Embassy hall and so on. After verified the first card, the door will change status.

The First Card function not confined to only one registered card. All of the administrator cards could with First Card function.

Note: M Operatio	ust enable Firs	t Card functio Multi Card	n in the systen	n. Please refer to 3.3.1 Controller
Edit Upload				
Serial No	Controller No	Door No	Reader No	Detail Info
37	449209	Gate 1	A reader	449209-1
38	449209	Gate 2	B reader	449209-2
39	449209	Gate 3	C reader	449209-3
40	449209	Gate 4	D reader	449209-4
First Card Time: First Card Status: End Time: End Status:	00:00:00 \$ V Mond Online * V Wedn 00:00:00 \$ V Intus 00:00:00 \$ V Intus 00:00:00 \$ V Satur V Satur	ay Optional L esday 99/57126 day 65539 65540 ay 9/	lser Name a c D	Optional User Name
Controller Door Tim	e Zone Privilege First Card I	Multi Card Delayed Command	s Access records	Add Delete Modify

The First Card controls the status of a single door. So before setting First Card function needs select a controller in the **Controller List** and select a door in **Edit** column.

Edit Upload					
Serial No	Controller No	Door No	Reader No	Detail Info	
37	449209	Gate 1	A reader	449209-1	
38	449209	Gate 2	B reader	449209-2	
39	449209	Gate 3	C reader	449209-3	
40	449209	Gate 4	D reader	449209-4	
					
First Card Time: First Card Status: End Time:	00:00:00 \$	✓ Monday Opti ✓ Tuesday Opti ✓ Wednesday 9875 ✓ Thursday 1077 ✓ Thursday 6554 ✓ Firday 6554	onalUser Name 126 a 5945 b 9 c 0 D	Optional User	Name
End Status:	Unline 💌	✔ Sunday		<<	
				Add Delete	Modify
Controller Door Time	Zone Privilege Firs	t Card Multi Card Delayed Com	mands Access records		

First Card Time: It is time point. The first card must be verified at this time point the door will change the status.

Note: The time before this time point to verify the first card. The door cannot change the status. And the door must verify the first card to change status when the time over this time point.

First Card Status: It is door's target state after verify the first card.

End Time: It is also a time point. At End Time point verify the first card the door will change the status again.



End Status: It is door's target state after verify the first card at End Time point. Select first cards in the User area

Optional User	Name	>>	Optional User	Name	
9875126 10725846 65539	a b c	\rightarrow			
65540	Ď	<			
		~~			

Left side of the "User area" list out all users registered in the AIM-DAC system.

Click " _____ put all users to right side.

Click " _____ put single user to right side.

The selected users will list in right side of the "User area".

Optional User	Name		Optional User	Name	
65539 65540	c D		9875126 10725846	a b	
		~~			

Click " _____" to put all users back to left side.

Click " _____" to put single user back to left side.

AIM DAC V1.0					n – H ×
			Controllar list		
Serila No 11 > 10	Controler No 449210 449209	Communication Method Serial TCP/IP	Port Com1 192.168.20.196	Detai Info	
Edt Upload		Pro	mpt 》 Continue Operation? 是① 百仞		Ŧ
Serial No	Controller No	Door No	Reader No	Detail Info	
37	449209	Gate 1	A reader	449209-1	
38	449209	Gate 2	B reader	449209-2	
39	449209	Gate 3	C reader	449209-3	
40	449209	Gate 4	D reader	449209-4	
First Card Time: First Card Status: End Time: End Status:	00:00:00 ♀	day Optional L nesday 65533 sday 65540 y y fay	lser Name C D	>>> Optional User 9875126 10725846 <	Name a b
Controller Door Tin	ne Zone Privilege <mark>First Card</mark>	Multi Card Delayed Command	s Access records	Add Delete	Modify

After select user and setting time point and door status, need click "**Add**" to store all of these information in the system.

Delete: Delete the doors first card information in the AIM-DAC system

Modify: After modify the first card informations and click "Modify" to save in the system.

Edit	Upload													
Se	rial No	Controller No	Doo	r No	Monday	Tuesday	Wednesday	Thursday	Firday	Saturday		Card No	Name	
•	7	449209		0	1	1	1	1	1	1		9875126	a	
												10725846	ь	
											-	10		
							100%						Upload	
	_													
Controlle	r Door	Time Zone	Privilege	First Card	Multi Card	Delayed Comma	ands Access reco	rds						

The next step is to upload the first card information to controller.

In the **Upload** interface, click first card information. You could check the firs card members in the right list.

Note: You can back to Edit interface to Modify or Delete first card information.

Click "Upload" to upload first card information to controller.

VNVIZ

AIM DAC V1.0					A - = ×
		Controllar list			
Serila No Controler No	Communication Method	Port	Detail Info		÷.
▶ 10 449209	TCP/IP	192.168.20.196			
11 449210	Serial	Com1			
E.D. Heland					
7 449209 0		Operation Successful	1 1	9875126	a b
		100%			
		100%			Upload
Controller Door Time Zone Privilege First C	ard Multi Card Delayed Comman	ds Access records			

3.3.6 Multi Card

Multi Card is a high security access control function. Enter into an important area need verify different cards at same time.

AC 91.0					A -
			Controller list		
Serila No	Controler No	Communication Method	Port	Detail Info	
10	449209	TCP/IP	192.168.20.196		
11	449210	Serial	Com1		
13	449225	TCP/IP	192.168.1.195	Net	1
Serial No	Controller No	Door No	Reader No	Detail No	
49	449225	Gate 1	A reader	449225-1	
50	449225	Gate 2	B reader	449225-2	
51	449225	Gate 3	C reader	449225-3	
52	449225	Gate 4	D reader	449225-4	

The Multi Card function also controls a single door. So administrator needs select a controller in the **Controller List** and select a door in **Edit** column.

After selected the door, click "Add" and "Continue Operation" will pop up below window:

AI	DAC V1.0					👚 – 🖛 🛛
				Controller list		
	Serila No 10 11 13	Controler No 449209 449210 449225	Communication Method TCP/IP Serial TCP/IP	Port 192.168.20.196 Com1 192.168.1.195	Detail Info Net	
Edi	it					
	Serial No	Controller No	Door No	Reader No	Detail No	
F	49	449225	Gate 1	A reader	449225-1	
	50	449225	Gate 2	B reader	449225-2	
	51	449225	Gate 3	C reader	449225-3	
	Muit Card Alu Muit Card Sir	nber 0 aug Group 1 0 Group 2 0 Group 3 0 Group 4 0 Group 5 0 Group 6 0 Group 7 0 Group 8 0	 Control Control Control	No: 1 V ser Name a b c D 12312 654554 jhjk 564564 545123	Optional User	Name
Contr	oller Door Tim	e Zone Privilege First Card	Multi Card Crontab Access r	ecords	Add Delete Modify	Upload

Multi Card Number: This is total number of cards need verified. The maximum number is 200.

Multi Card Group: There are 8 groups. The Group can make multi card function more agile.

Multi Card Group:	Crown 1	0	Optional User 9875126	1 2	Name		Optional User	Name	I
	Group 2	0 +	10725846	3	Ь				
	Group 3	0 \$	65540	5	D 12312				
	Group 4	0 🗘	10945015	7	654654				
	Group 5	0 🗘	9858918 9853375	8	jhjk 564564	<			
	Group 6	0 🗘	11936369		545123	<<			
	Group 7	0 🗘							
	Group 8	0 🗘							

Click " _____" or " _____ "to assign user to different groups.

For example: There are 4 groups with different users.

fiergele V		Enceptio 2				
IOptional User Name	Dptional User Name 69539 c	(Dphonal User	Name	0ptor 10945 99599 	nal User 1 5015 6 118	Чана 54654 РЖ
() Add	Delete Modly Upload			Add Dele	fe Modły	Upload

ptional User	Name		Optional User	Name	Optional User	Name		Optional User	Name
		>>>	10725846 65540 10074912 9853375 11936369	b D 12312 564564 545123			> >	11936369 9853375	545123 564564
		4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4]				с «		

And the "Multi Card Number" is "4", that's means need verify 4 users to pass the access control.

Multi Card Group:			Optional User	-	Name		Optional User	Name
	Group 1	1 🗘					65539	с
	Group 2	1 🗘				>>		
	Group 3	1 🗘				\rightarrow		
	Group 4	1 🗘						
	Group 5	0 🗘				<		
	Group 6	0 🛟				< </td <td></td> <td></td>		
	Group 7	0 🛟						
	Group 8	0 🗘						

In the **"Multi Card Group**" the **"Group1**" to **"Group 4**" as number "1". That means the multi card verify users must come from "Group1" to "Group4".

And you can see the "Group2" to "Group4" have more than 1 users in the group. So you just need verify any one user in these groups.

Note: The Multi Card function must work with "Multi Card Group" setting and "Multi Card Number" must more than 1 users.

Click "**Add**" will make up all multi card informations store in the system database, and click "**Upload**" to upload all multi card informations to controller.

Click "**Delete**" to delete "**Multi Card**" setting in the AIM-DAC system database. After modified the "**Multi Card**" setting in the AIM-DAC system, please click "**Modify**" to save the settings.

Note: To clear the "Multi Card" functions in the controller. Please refer to 3.3.1 Controller Operation – Clear.

3.3.7 Crontab

The Crontab function is setting data and time point, when at this point the door will change status automatical. This function will help customer easy manage access control.

ALM DAC VI.U							m	×
			Controllaritat					
Code No.	Control or No.	L. Commission Marked J.	Deat		-31-6-			
Serila No	Lontroler No	Lommunication Method	Port 100 100	Det	all Inro			
10	449209	Coviel	192.168.20.196					
12	449210	TCD4D	102 100 1 105		Mat			
13	449220	ТСЕЛЕ	132.166.1.133		NBI			
								Ш
Serial No. 1. Cont	roller No. Door No.	Task Name Tune	L Manner LEveci	tion Time Mondau	Tuesdau	Wednesdau	Thursday	
Senarivo	Iolier No Door No	Task Mane Type	Manner	Monday	ruesday	wednesday	Thursday	
<u> </u>								
4								÷.
Date Format	1-7 🗘							
Week Format								
- Week Follinde	✓ Modnday	✔ Tuesday 🛛 ✔ Wedr	esday 🗸 Thursday	✓ Firday	Saturday	🗸 Sunda	y	
Name: 1	Exe	sution Time: 00:00:00 🗢	Status Control: 0	nline 🔹 Doo	r: 🔽 NO.1	🔲 NO.2 👘 NO.3	3 🔲 NO.4	
				Add 🚺	Delete	🧭 Modify 🛛 🤇 🕻	J Upload	
Controller David Th	- Zene Division First Core	Matti Card Combab Association						
Controller Door In	me zone _ Filvilege _ Filst Card	Multi Caro Crontab Access fo	BCOIDS					

The crontab function support Date format and Week format.

The Date format is MM-DD and Week format the administrator can select days by self.

Date Format	1-7						
 Week Format 	Modnday	✓ Tuesday	Vednesday	✓ Thursday	✓ Firday	Saturday	V Sunday
Name: 1		Execution Time:	S S	atus Control: Online	▼ Do	por: ▼ N0.1 □ N0.2	NO.3 NO.4
					Add	🕒 Delete 🖉 Modi	fy Upload

Name: Input a name for crontab function.

Execution Time: Setting a time point.

Status Control:Door change status when at execution time.

Door: Select a door will have crontab function. The DAC844 normal with 4 doors.

Select a conntroller in the conntroller list and Click "**Add**" will make up crontab informations store in the system database and click "**Upload**" to upload crontab informations to controller.

Before upload crontab informations to controller. The administrator could click "**Delete**" to delete "**Crontab**" setting in the AIM-DAC system database. After modified the "**Multi Card**" setting in the AIM-DAC system, please click "**Modify**" to save the settings.

Note: To clear the "Crontab" functions in the controller. Please refer to 3.3.1 Controller Operation – Clear.

3.3.8 Access Records

This interface include two parts: "Extract recrods" and "Browse".

AIN DAC	¥1.0						^ -	ΞX
				Controller list				
S	erila No	Controler No	Communication Method	Port	Detail Info			
	10	449209	TCP/IP	192.168.20.196				
	11	449210	Serial	Com1				
	13	449225	TCP/IP	192.168.1.195	Net			
								-
Extract	records Browse							
								-
4								•
	Q View		100	%	Select All	🕗 Download	Cancel	
Controller	Door Time Zon	ne Privilege First Card	Multi Card Crontab Access	records				
	<u> </u>							

The **"Extract records**" interface could download the access records from controller. **Select All**: Download all records from all of controllers.

					A
			Controllar list		
Serila No	Controler No	Communication Me	ethod Port	Detail Info	
11	443203	Serial	Com1		
13	449225	TCP/IP	192.168.1.195	Net	
Extract records Bro	owse				
C Charles					
Filter Start	2012-12-09 👼 00-00	100 1 To 2013-01-08	対 23:59:59 📤 Controller 🚛	•	
		•			
Card Number:	ALL 💌				
					Q Select
Corial number	The controller	Door Reader No.	Card number	Card time	Credit card tupe
Jenarnumber	THE CONTONER	DOOI HEAGEINO.	Laululuc	Laiu une	Cieul Caiu (VDe
8					
<u></u>					
orrtroller Door T	imeZone Privilege IF	First Eard Multi Card Crontab	Access records		

The "Browse" interface could select records according the condition setting in the software.

3.4 User management

User management controls register all user information in the controller. The DAC software support RFID card register and fingerprint register.



Register RFID Card

In the "Edit" interface, the administrator could manual add user in the "Base Info" area.

Card No:input the RFID card number in the "Card No" column.

No: It corresponds to the "Serial No" in the "User list". So this serial number cannot be repeated. That's unique number for user.

Name: Input the User name.

Statue: the user account's statue. There are two statuses: "**Normal**" and "**Cancel**". The "**Normal**" means the register user been active in the system. "**Cancel**" means the register user do not been active in the system.

Password: The user's password for verify the access controller. Then click "**Add**" button. The user will add in the "**User list**".

Also could select the user in the "**User list**", modify the user information in the "**Base Info.**", to click "**Modify**" button to save or click "**Delete**" to delete selected user.



		(Alexandra)			Edit	Quick Add	
		Usariat	Normal				Base Info.
Serial No	Card No	Name		*	Paulika	123456789	Stewer Normal
1	9875126	a			California		Sitzide
2	10725846	b			Ricc	10	Peesword 89564
3	65539	с			(Appendix	Lucy	
4	65540	D			A secondes		
5	10074912	12312					
6	10945015	654654					
7	9858918	ihik					
8	9853375	564564					
9	11936369	545123					
10	123456789	Lucy					Attendance
							Fingerprint1 Fingerprint2

Qucik Add:

If need enroll more user, administrator need enter "Quick Add"

A	EN DAC V1.0							A	_ = ×
F	User Uplo	ad							
					Edit	Quick Add			
			Userlist	Normal 💌				_	
	Serial No	Card No	Name		Controller ID:	449236	💌 🔍 Select 📄 🤤 Stop		
	▶ 1	9875126	а						
	2	10725846	b		Card No:		🕞 Add		
	3	65539	с						
	- 4	65540	D		(a.) IN		C 111	- T	
	- 5	10074912	12312		Serial No		Lard No 11990309		
	6	10945015	654654		2		9858918		
	7	9858918	jhjk		3		10074912		
	8	9853375	564564		4		10945015		
	9	11936369	545123						
	10	123456789	Lucy						
	11	0	fe						
	-	9977067							
				-					

Controll ID: Please select the Controll ID in the drop down list and click "**Select**" to active "**Qucik Add**" function.

Then administrator could swipe the card on any readers which connect with the DAC844 device. Then in the below list will display all the card numbers. When you finsih swipe cards.

Please click "Stop first and click "Add" button, all of cards will add in the AIN-DAC software.

AIN DAC	X
Operation Successful!	
ОК	

And you had best restrat the software. You can see all cards registered in the "User list". The administrator must modify all cards's **Name** and **Serial No** in the "**Base Info.**" area.

Register Fingerprint

The AIM-DAC system support Anviz T5 fingerprint reader. So the system provided the user's fingerprint in the DAC844 access controller.

Step 1 Input "No", "Name" and "Password" in the "Base Info" area. Except the "Card No" do not input any number.

Step 2 Connect the T5 reader with AIM-DAC system via the USB cable.

Step 3 Click "**Collect**" will active the T5 reader to register fingerprint. Please hold press the fingerprint on the T5 reader. When you see the clear finger image in the system, Please click "**Fingerprint 1 Registration**" to register one fingerprint. Then you need click "**Collect**" and "**Fingerprint 2 Registration**" to continue registers another finger in the system.

		Uaariat	Norma	Edit	Quick Add	Deve lafe
Serial No	Card No	Name		-	100456700	Dase milo.
1	9875126	a		Carilkio	123436789	Statual Normal
2	10725846	b		Rio	10	Plasswork 89564
3	65539	c			Lum	
4	65540	D		Reme	Lucy	
5	10074912	12312				
6	10945015	654654		11811	- and the second	
7	9858918	ihik		11111		
8	9853375	564564		18189		
9	11936369	545123		01/01/1	1/200	8
10	123456789	Lucy		9131114	11/2 M	Attendance
						✓ Fingerprint1 Fingerprint

After enrolled two fingerprints please click "Add" the user will list in the "User list";





DAC ¥1.0							A
User Fing	per						
		Usarilai		Normal 🔻	Edit	Quick Add Ras	e Info
Serial No	Card No	Name	1			0	
1	9875126	а			Card No.	U	Status Normal *
2	10725846	ь			No	11	Pressource 0
3	65539	с				222424	Commence of
4	65540	D			Riemer	223424	
5	10074912	12312					
6	10945015	654654			131130	1 mains	
7	9858918	jhjk			1111	Carlon and a second second	
8	9853375	564564			11111	1 martine	
9	11936369	545123			11111	110000	
10	123456789	Lucy			11111	11/2000	Attendance
11	0	223424			21812	1745 minute	
							Fingerprint1 Fingerprint2
						Add	Modify Delete
			1	Press your finger			

Step4 After enrolled the fingerprint. The fingerprint templates store in the AIM-DAC system. Need upload fingerprint templates to T5 reader device. Enter into "**Upload**" interface. Please input T5 device's IP address and click "**Upload**". The fingerprint template will upload to the T5 reader via the TCP/IP communication.

User Upload Fingarplint davisa IP 192.168.1.218 O/fe.Operation Successful O/fe.Operation Successful	AJ	IN DAC VI.O	â	- 1	= x
Fingarplint davies IP 192.168.1.218 D.fe.Operation Successfull D.fe.Operation Successfull	ſ	User Upload			
0.fe.Dperation Successfull 0.fe.Dperation Successfull		Ringarprink davisa (P 192.168.1.218			
		0,fe,Operation Successfull 0,fe,Operation Successfull			

Note: After register fingerprint, you could verify the finger in the t5 reader now.

Step5 Enter "**Quick Add**" interface, select the controller ID and active "**Quick Add**" function, and press the fingerprint on the T5 reader. Then the T5 will send out a number to AIM-DAC System. And we could use this number to the user (who we register in the **Step 1**). Then the user with fingerprint registered in AIM-DAC System.

Note: The number from the T5 is the Wiegand 26 code for user fingerprint.

VUVIZ

AIM-DAC System

		Usarisi	Normal 💌	Edit	Quick Add	
Serial No	Card No	Name		:roller number:	449236 💌 🔍 Select 🚺 🤤 Stop	
1	9875126	а				
2	10725846	b		Card No:	Add	
3	65539	c				
4	65540	D		0.111		
5	10074912	12312		Serial No	Lard No	
6	10945015	654654		I.	8388619	
7	9858918	jhjk				
8	9853375	564564				
9	11936369	545123				
10	123456789	Lucy				
11	0	fe				

After register the User please refer to the section 3.3.4 Privilege to authorized user.

3.5 Real Time Monitoring

Enable the Real Time Monitoring function; the AIM-DAC System could display any operation in the system monitoring windows.

AIN DAC V1.0	☆ _ □ ×
Monitoring Stop	
449236-1 449236-2 449236-3 449236-4	
Swipe Time Event Card No.	Position Alarm
2013-01-2312-16:43 Controller:449236-1Door Permission[Ban]	
4	۰

Click "Monitoring" button will enable the Real Time Monitoring function.

AIM DAC V1.0				☆ _ = ×
Monitoring Stop	Мар			
449236-1 449236-2 449236-3	449236-4			
Curing Time	Friend	C	Decilier	Alaura 1
2013-01-23 12:16:43 2013-01-23 12:16:43	Controller: 449236-1Door	Permission[Ban]	r osidori	Midilli
2013/01/23 12:16:43	Lontroller: 4432.36-1 Door	remission(can)		
		•		•

The system administrator will see there are 4 doors display in the main windows.



Means the door status is open.



Means the door status is closed. (The controller need with door contact equipment).



The administrator could select the icon of the door and right click the mouse. The doo could opened by remote.

Stop: Click "**Stop**" to stop monitoring the controller.

Map: AIM-DAC system support import image. The administrator could import the building floor maps into the system. So could put the door icon on the maps to monitoring. The image support BMP and JPGE.



In the Real Time Monitoring windows, we can also support multiple records. Such as: Exit button open the door. Swipe the card to open the door. And the abnormity warning also display in the software. The abnormity warning will display in the right side of the Real Time Monitoring windows.

Swipe Time	Event	Card No.	Position	Alarm
2013-01-23 15:22:36 2013-01-23 15:22:36 2013-01-23 15:22:26 2013-01-23 15:22:21 2013-01-23 15:22:17 2013-01-23 15:22:17 2013-01-23 15:22:14 2013-01-23 15:22:12 2013-01-23 15:22:09 2013-01-23 15:22:07	Controller: 449236 Controller: 449236	Cardld:51 Cardld:50 Cardld:8388618 Cardld:8388620 Cardld:8388619 Cardld:8388620 Cardld:8388619 Cardld:8388619 Cardld:8388619 Cardld:10945015	Controller: 449236	FireAlarm

4 Initialization the Access Controller

There is an initialization button in the access controller. The user could hold press the initialization button for 4-5 sec. and the reader prompt LEDs will flash 8-9 times. After initialization the controller all the user information will not be clearly. Only the IP address back to default IP address: 192.168.0.150



5 Upgrade Firmware for DAC844

The DAC844 could upgrade the firmware via the Mini USB port. When you need upgrade the firmware please hold press initialization button and power on the DAC844. The DAC844 device wills only bright Power LED.

Running the below icon



Will display the windows as below:



Click 🕌

icon to find the firmware files. And click "Update" to upload the firmware to

DAC844 device

🙆 AI 🛙	DAC S	tup Tools	
USB	Setup	Test	
	Area Area	0	