

HDL-MSM.431 User Manual

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GZ HDL Technology Co., L



Modification Record

This record accumulates instructions for each document update. The latest version of the document contains updates from all previous document versions.

Num	Version	Modification Content	Date
1	V1.0.0	First official release	2020/08/23





1 Overview

1.1 General Information

1.1.1 Description

HDL-MSM.431 is a security module, from the sensor status and logic implement, it can manage 4 independent zones' arming and alarm. Up to 32 sensors can be used to detect in each area. Normally use DLP panel, TouchLife/iLife/HDL ON to arm and disarm the system.

1.1.2 Device Description



DB Box installation

1.2 Functionalities

- Manage 4 independent areas
- Multiple security modes: Vacation, Away, Night, Day, etc.
- Multiple alarm modes: Panic, Gas, Fire, Temperature, Emergency, etc.
- Multi-Level security protection
- Arm and alarm log.
- Sends SMS message
- Online upgrade is available



1.3 Connections

Device connection:



System Connection:



Security module should work in conjunction with other products to make up a system.





2 Software Configurations

2.1 Device Information

😬 HDL Buspr	o Setup Tool 2 V1	0.05.4	1_20200629_Be	eta						>
Option Device list	Fast search	Dat	a backup Da	ata restore	Advance se	arch Target	- Function -	Language	Check version	Lock
Status	Subnet ID	Dev	vice ID M	lodel		Name	Description(dou	ble click this	Version	Hardware version
~	5	0	HD	DL-MBUS01	IP.431		IP Gateway-MQT	П	Unread	N/A
	5	1	HC	DL-MSM.43	1	Security	Advanced securit	ty controller	HDL_V04.08U_2018/06/19	N/A
1	5	2	нс	DL-MPTLC4	3.46-A	enviro panel	Enviro/4.3" touc	h panel	Unread	N/A
~	5	3	💀 Modify ad	dress				× r	Unread	N/A
~	5	4						IV	Unread	N/A
1	5	5	Old SubNet ID): 5		Old Device ID:	1	odule	Unread	N/A
~	5	7	Now SubNot I	D: 5		Now Dovice ID:	1	ontroller	Unread	N/A
1	5	8	New Subiver I	. J	۲	New Device ID: 1		• on,rem	Unread	N/A
1	5	22	Modify Addres	ss By MAC				dimmin	Unread	N/A
~	5	30	MAC:	00.9	96.65.8F.1D.3A	.0A.17			Unread	N/A
1	5	33	Conur		Read		adify addrass	ntroller	Unread	N/A
1	5	40	Сорут		Kead		ouily address	J dimm	Unread	N/A

Double click Address: Read MAC and modify address. Subnet ID must same with

gateway's subnet ID. Device ID must be unique.

Double click Model/Description: Enter to setup page.

Double click Name: Modify remark of module.

Double click Version: Read firmware version of module.

Double click Hardware Version: Read hardware version of module. This firmware not support to read hardware version.

2.2 Basic Information

Double click Model/Description region, you can enter to the setup page of security module.

	5-1\Security — 🗇 🗙										
Basic infor	mation Basic setting Arming setting Alarm comm	ands Vacatio	on setting ByPass setti	ng							
Date and	I time setting	History log									
Date:	2020年 8月14日 🛛 🐨 Friday	Start tim	e: 2020年 8月14日	Enc	l time: 2020年 8月	14 🗍 💭 🔻					
Time:	23 • : 11 • : 31 • (HH:MM:SS)	Read	d history	Clear histroy							
		Index	Date	Time	Address	Channel	Туре	Remark			
0.0 T		0	2020-8-14	1:0:0	5-16	0	arm night				
PUT	ime 😰 🖼	1	2020-8-14	14:5:0	5-16	0	arm day				
Daylight	saving	2	2020-8-14	21:0:0	5-16	0	arm away				
	Month Day										
🗌 Enable	Start time 1 ~ 1 ~										
	End time 1 \checkmark 1 \checkmark										



• Date and Time Setting:

Built-in clock chip, you can set Date and Time manually or read it from PC. It broadcast the time to system by default, so the DLP panel can read security's time from bus.

• Daylight Saving:

It supports 'Daylight Saving Time' function, some countries like EU countries, Australia need to use it then can set the start time and end time here according to different places.

- History Log:
 - --Read history:

Enter the start time and end time, so you can view arm, disarm and alarm log during this time period.

--Clear history:

When enter the password, you can clear the unneeded arm, disarm and alarm log, the default password is 85521566.

--New password:

When enter the password, you can customize the new password for safety.

2.3 Basic Setting

It's mainly for buzzer and siren configuration.

-1/Security — O X										
Basic information Basic setting Arming setting Alarm commands Vacation setting ByPass setting										
Area No. 1 v area 1 v Enable										
When you are going to arm or alarm	,you car	n use buzzer fo	r help.Please se	t in further according to need.At any condition y	ou can set 8 objectives a	most				
Siren delay(10-180s) 20 Reset after alarm(1-30m) 1										
Entry delay(10-180s)	10			Exit delay(10-180s)	More people	leave mode				
Туре	Index	Subnet ID	Device ID	Туре	Param1	Param2	Param3			
ENTER BUZZER ON	1	1	21	Single Channel Control	3(Channel no.)	100(Intensity)	0:0(Running time[M:S])			
ENTER BUZZER OFF	2	1	50	Invalid	N/A	N/A	N/A			
EXIT BUZZER ON	3	1	50	Invalid	N/A	N/A	N/A			
EXIT BUZZER 5S LEFT	4	255	255	Invalid	N/A	N/A	N/A			
EXIT BUZZER OFF	5	255	255	Invalid	N/A	N/A	N/A			
ALARM BUZZER ON	6	255	255	Invalid	N/A	N/A	N/A			
ALARM BUZZER OFF	7	255	255	Invalid	N/A	N/A	N/A			
INDOOR BUZZER ON	8	255	255	Invalid	N/A	N/A	N/A			
INDOOR BUZZER OFF				·			n			
OUTDOOR BUZZER ON	1									
OUTDOOR BUZZER OFF	1									
FIRE BUZZER ON	1									
FIRE BUZZER OFF	1									
BEEP TONE	1									
	1									
1	1									



• Area No.

Select and enable one area (area No. is from 1 to 4), remark it for easy management, like floor1 or floor2. You need to enable the area before use it.

• Siren Delay(10-180S)

Set the delay time for INDOOR SIREN ON, OUTDOOR SIREN ON.

• Restart after Alarm(1-30M)

Once alarm is triggered, within the delay time (up to 30 minutes), the security module will no longer alarm again. When the delay time elapses, it will restart into the monitoring state, if there are more triggers, it will trigger the buzzer, siren, alarm and so on then realize that monitor and alarm circularly.

• Entry Delay(10-180S)

The delay time for entering the door. Under arming, it will trigger the "ENTER BUZZER ON" targets when entry. If disarmed during the delay time, the "ENTER BUZZER OFF" targets will be triggered.

TIP: If do not disarm after the Entry Delay, it will trigger the "ALARM BUZZER ON" setting targets, at the same time, start to countdown the Siren Delay time, when the delay time elapses, the system will trigger "INDOOR SIREN ON, OUTDOOR SIREN ON" setting targets.

• Exit Delay(10-180S)

When arming button is pressed, you should leave during the exit delay time otherwise it will trigger the alarm targets.

• More People Leave Mode

It's very useful when there are many people going to leave and you want to arm this area now. If the sensor detects two movement's interval less than the exit delay, then it will reset the delay time for the arming; if the sensor detects two movement's interval larger than the exit delay, then it will countdown the 'Entry Delay' time, and trigger the corresponding targets.



• ENTER BUZZER ON

The actions when entering the door, the targets can be a voice hint from music player or a buzzer on controlled by relay module.

ENTER BUZZER OFF

The setting targets will be triggered if disarm is not happened after the Entry Delay time elapses. Suggest to shut down the same controlled targets as 'ENTER BUZZER ON'. When disarmed, it will trigger the 'ENTER BUZZER OFF' targets.

• EXIT BUZZER ON

The actions when leaving the house, the targets can be a voice hint from music player or a buzzer on controlled by relay module.

• EXIT BUZZER 5S LEFT

The actions for the last 5 seconds of exit delay, the targets can be a rapid buzzer on, to urge people to leave the house quickly.

• EXIT BUZZER OFF

Automatically shut down the voice hint and buzzer when the Exit Delay time elapses. When disarmed, it will trigger the 'EXIT BUZZER OFF' targets.

• ALARM BUZZER ON

If there is no disarm after Entry Delay, it will trigger the 'ALARM BUZZER ON' targets and the 'ENTER BUZZER OFF' targets at the same time.

• ALARM BUZZER OFF

Automatically shut down the voice hint and buzzer when the Siren Delay time elapses.

When disarmed, it will trigger the 'ALARM BUZZER OFF' targets.



• INDOOR SIREN ON, OUTDOOR SIREN ON

These targets will be triggered if there is no disarm after Siren Delay, they can be a siren, loudspeaker and so on.

• INDOOR SIREN OFF, OUTDOOR SIREN OFF

When disarmed, it will trigger these OFF targets.

• FIRE SIREN ON

These targets will be triggered if there is a fire alarm, they can be a alarm speaker and so on.

• FIRE SIREN OFF

When disarmed, it will trigger the 'FIRE SIREN OFF' targets

Recommendation: the above-mentioned OFF and ON targets should be the same, otherwise there will be some of them can not be turned off after you disarm the system.

Beep Tone

This is specially used to work with the weather sensor (the 3rd party weather sensor normally needs to connect to our dry contact module), under different weather situation, it can trigger different targets.

UV Switch No. 1 to 4 is for Mode One to Mode Four in area1, Switch No. 5 to 8 is for Mode One to Mode Four in area2 and so on. Default is for normal weather, if it does not receive any UV Switch No. from the sensor, then it will trigger the setting targets in Default window. Mode One to Mode Four is for abnormal weather, when it receives one UV Switch No. from the sensor, it will trigger corresponding targets.

E.g. Mode One is for rainy day, when the sensor detects it's raining now, it will send UV Switch 1 to the security module, then security module will trigger the player the 2nd voice hint, the voice hint can be 'it's raining outside, do not forget to take the umbrella with you'.



ENTER BUZZER ON	When take k	Vhen about to out, you can add personal tips before default goals.For example, it's rainy outside, take an umbrella with you, ake keys and wallet with you when out.Enable/Disable.Universal switch 1 to 4 in area 1, and go in others areas.										
EXIT BUZZER ON	0	Default	Mode one Mode two Mode three Mode four									
EXIT BUZZER 5S LEFT	Index	Subpot ID	Device ID	Time	Dorom1	Daram 2	Daram ²					
EXIT BUZZER OFF	index	Subliet ID	Device ID	Type	Parami	Paralliz						
ALARM BUZZER ON	1	120	1	Music Control	Source Play	Specify List	2(song no.)					
ALARM BUZZER OFF	2	255	255	Invalid	N/A	N/A	N/A					
	3	255	255	Invalid	N/A N/A N/A N/A	N/A	N/A					
NDOOR BOZZER ON	4	255	255	Invalid		N/A	N/A					
NDOOR BUZZER OFF	5	255	255	Invalid	N/A	N/A	N/A					
OUTDOOR BUZZER ON	с с	255	255	Invalid	N/A	NI/A	N/A					
OUTDOOR BUZZER OFF	0	200	200	Invalid	N/A	N/A	N/A					
FIRE BUZZER ON		255	255	Invalid	N/A	N/A	N/A					
		255	255	Invalid	N/A	N/A	N/A					
XIT BUZZER SS LEFT XIT BUZZER OFF ALARM BUZZER OFF INDOOR BUZZER OFF INDOOR BUZZER OFF OUTDOOR BUZZER OFF OUTDOOR BUZZER OFF FIRE BUZZER ON FIRE BUZZER OFF BEEP TONE	Index 1 2 3 4 5 6 7 8	Subnet ID 120 255 255 255 255 255 255 255 2	Device ID 1 255 255 255 255 255 255 255	Type Music Control Invalid Inv	Param1 Source Play N/A N/A	Param2 Specify List N/A N/A N/A N/A N/A N/A N/A N/A N/A	Param3 2(Song no.) N/A N/A N/A N/A N/A N/A N/A					

It will trigger the Beep Tone targets firstly, later trigger the EXIT BUZZER ON targets when leaving the house.

2.4 Arming Setting

Basic information Basic setting Arming	setting	Alarm commar	nds Vacation s	etting ByPass s	etting				
Area No. 1 ~	Disable								
Different types of arming can set different	ent goals	.Each type car	n be set up to 3	2 targets.					
Type VACATION ABM Trigger when leaving Targets from(1-32) 1 To 8 Read									
AWAY ARM	Index	Subnet ID	Device ID	Туре			Param1	Param2	Param3
NIGHT ARM	1	120	1	Music Control			Source Play	Specify List	1(Song no.)
NIGHT G ARM	2	255	255	Invalid			N/A	N/A	N/A
DAY ARM	3	255	255	Invalid			N/A	N/A	N/A
DISARM ARM	4	255	255	Invalid			N/A	N/A	N/A
	5	255	255	Invalid			N/A	N/A	N/A
	6	255	255	Invalid			N/A	N/A	N/A
	7	255	255	Invalid			N/A	N/A	N/A
	8	255	255	Invalid			N/A	N/A	N/A
	□ A	uto Arming	0 🔹 :	0	AwayNight	 Night wit Day 	h guests		
Mode Auto Arming ~	□ A	uto Arming	0 -	0	AwayNight	 Night wit Day 	h guests		
	□ A	uto Arming	0 •	0	AwayNight	 Night wit Day 	h guests		
		\$				🛃 Save & Close			
Device: 5-16\									

• Area No.

Select one area, area No. is from 1 to 4, need to enable the area in Basic page first.

• Trigger when leaving

If enable the selection, it will trigger the targets when arming button is pressed; if do not enable the selection, it will trigger the targets after the *Exit Delay* time.



• Arming Modes

There are 6 arming modes can be set respectively, they are: VACATION ARM, AWAYARM,

NIGHT ARM、 NIGHT_G ARM、 DAY ARM、 DISARM ARM. Each mode can control up to 32 targets.

- Auto arming and disarming
- 1- Auto Arming

If the conditions are met (enable auto arming and within the set time), then it will automatically work under the arming mode

2- Auto Disarming

If the conditions are met (enable auto disarming and within the set time), it will automatically disarm

2.5 Alarm Commands

It's mainly for setting the alarm targets for different alarm modes (exceed *Entry Delay*). Fire, gas, etc alarm have no delay, will come into effect immediately.

Each mode can control up to 32 targets.

Alarm reset: The system will reset after 'reset after alarm' time in Basic page.

							– O X					
Basic information Basic setting	Arming	setting Alarn	n commands V	acation setting ByPass setting								
Area No. 1 > Disable Once alarm. the device triggers different goals accoring to the type of alarm.Each type can be set												
Type Targets from(1-32) 1 To 8 Read												
VACATION ALARM	Index	Subnet ID	Device ID	Type	Daram1	Daram2	Daram3					
AWAY ALARM	1	120	1	Nusic Control	Source Play	Specify List	3(Song no.)					
NIGHT ALARM	-	255	255	Invalid			N/A					
NIGHT_G ALARM	2	255	255	Invalid	N/A	N/A	N/A					
DAY ALARM	3	255	255	Invalid	N/A	N/A	N/A					
SILEN ALARM	4	255	255	Invalid	N/A	N/A	N/A					
POWER ALARM	5	255	255	Invalid	N/A	N/A	N/A					
TEMPE ALARM	6	255	255	Invalid	N/A	N/A	N/A					
FIRE ALARM	7	255	255	Invalid	N/A	N/A	N/A					
GASALARM	8	255	255	Invalid	N/A	N/A	N/A					
	-											
	_											
ALARM RESET												



2.6 Vacation Setting

It's mainly for setting some targets in the vacation mode, so it could simulate scenarios, such as turn on/off lights by timer function in the house to give the illegal invaders a warning that somebody is at home.

Area No. 1 V Disable In holiday, you can set 8 time period to automatically start and stop working. Each period can be set up 32 targets.											
Index		Enable		Start time:			End time:				
1		0		0:0:	0		0 : 0 : 0				
2		[0:0:0			0:0:0				
3		[0:0:0			0:0:0				
4		[0:0:0			0:0:0				
5		[0:0:0			0:0:0				
6		[0:0:0			0:0:0				
7		[0:0:0			0:0:0				
8		C		0:0:0			0:0:0				
Targe	ts from(1-32)	1	То	8	● ON ○ OFF	Read					
Index	Subnet ID	Device ID	Туре		Pa	ram1	Param2	Param3			
1	255	255	Invalid		N//	1	N/A	N/A			
2	255	255	Invalid		N//	4	N/A	N/A			
3	255	255	Invalid		N//	1	N/A	N/A			
4	255	255	Invalid		N//	4	N/A	N/A			
5	255	255	Invalid		N//	4	N/A	N/A			
6	255	255	Invalid		N//	4	N/A	N/A			
7	255	255	Invalid		N//	A	N/A	N/A			
8	255	255	Invalid		N//	4	N/A	N/A			

Can set the control targets in 'ON' and 'OFF' windows independently.

When reach the start time point, it will trigger the 'ON'window's targets, e.g. turn on lights at night.

When reach the end time point, it will trigger the 'OFF' window's targets, e.g. turn off lights in the morning.

2.7 Bypass Settings

2.7.1 Alarm + Bypass

Authorize the sensor here (need to set the security module's ID in the sensor also), when the status of it has changed under arming mode, it will send out commands to the security module, then the security module will trigger corresponding targets to protect the system. (for details of these settings, please check the '4. Application' below)



5-16\ Basic info	ormation Ba	sic setting Arming	setting Alarm com	mands Vacation	setting ByPass setting	2			- O >				
Area N	0. 1	∽ Di	sable										
When a	about to arm	,this module will be	check if everyone is	OK.For example,it	f windows are closed.	/ou can select up to	32 devices for checking.						
If you v	If you versions is 2011/06/21 or above. If now the door is opened, it can output 8 commands. Only 1-16 this function.												
Alarm+B	Alarm+ByPass Arming settings sensor/dry contact trigger/unsate status												
Index	(1-32) from	1	То	4	Read			sensor/dry conta	ct current status				
Index		Alarm	Subnet ID	Device ID	Channel	Bypass	Trigger	Status Mode	Remark				
1			255	255	255		Disconnect ~	Not online Norr	nal				
2			255	255	255		Disconnect ~	Not online Norr	nal				
3			255	255	255				— п х				
4			255	255	255	1	the mode fo	or sensor/dry contact					
		senso	or/dry contac	t status) Fire	Mode select:	24 Hour active zone 24 Hour active zone Other security level ncy O Power failure					
Currer	t selected in	dex Targets	Ture				0	0					
Index	Subnet ID	Device ID	Type		_	() Gas	O Current	Temperature					
2	255	255	Invalid			O Panic	O Silent pa	anic					
3	255	255	Invalid			1							
4	255	255	Invalid				Savo	Close					
5	255	255	Invalid			l	Jave	Close					
6	255	255	Invalid			N/A	N/A	N/A					
7	255	255	Invalid			N/A	N/A	N/A					
8	255	255	Invalid			N/A	N/A	N/A	¥				
If the For e	If the sensor/dry contact status in trigger status when you arm the system, it will arm failed and trigger this target. For example: trigger a voice like Boom window is in open status' Save & Close												

• Bypass:

If enable, the system will ignore its status when arm. Like the main door in house, the door is open when you press the Arm button, so we can ignore the main door status when arm.

• **Mode:** set the security mode for sensor/dry contact channel.

Jass	Trigger Status	Mode	Remark
	Disconnect V Not on	line Normal	
	Disconnect V Not on	line Normal	
	Mode select: 24 Hou	r active zone 🗸	- 🗆 X
) Fire	○ Emergency	O Power failure	
Gas	Current	 Temperature 	
	Sava	Close	

- 24 Hour active zone: These modes no need to arm by user, use 3rd party sensor connect to HDL dry contact channel, it will trigger the targets in 'Alarm commands' page when detects.
- Other Security level: These modes need to arm by user. Will trigger the targets in 'Arming Setting' page when arm success. Will trigger the targets in 'Alarm commands' page when alarm.

Entry delay times: Set the multiple of Entry delay time (which set in Basic setting page).



2.7.2 Arming Setting

Authorize some user interfaces to arm and disarm the system, e.g. DLP, TouchLife, iLife, iRidium and so on. iLife(IOS) has the fixed ID, 3/254, and the iRidium's fixed ID is 253/254. HDL ON is 252/252.

				— 0 ×								
E	Basic information Basic setting Arming setting Alarm commands Vacation setting ByPass setting											
	Area No. 1 CEADle											
	When about to arm, this module will be check if everyone is OK.For example, if windows are closed. You can select up to 32 devices for checking. If you versions is 2011/06/21 or above. If now the door is opened, it can output 8 commands. Only 1-16 this function.											
ļ	Alarm+8yPass Arming settings											
L	Targets Num from(1-16)	To 10 Read										
	Index	Subnet ID	Device ID	Remark								
	1	5	101	DLP								
	2	3	254	ILIFE								

2.8 Arm Flow





2.8.1 Vacation/Away Mode





2.8.2 Day/Night/Night_Guest Mode





2.9 Alarm Flow

2.9.1 General flow





2.9.2 Vacation/Away/Night for Guest/Day Mode





2.9.3 Night Mode





2.9.4 Fire Mode





2.9.5 Gas Leakage Mode





2.9.6 Silent Panic Mode





2.9.7 Power/Temp/Emergency/Current Mode





2.9.8 Panic Mode





2.10 Disarm flow



3 Firmware Upgrade

Security module supports Automatic Upgrade and Manually Upgrade.

Automatic Upgrade: suitable for searched device.

HDL Buspro	Setup Tool 2 V10.05.41_2	0200629_Beta							
Option Device list	Fast search Data	backup Data resto	Advance search	Target	Function Upgrade Device	age Check version	Tool Lock	e .	
Status	Subnet ID	Device ID	lahoM,		Upgrade Enviro Ra	w	Description/double click	this column Version	2
 ✓ 	5	0	🔳 Firmware Upgrade					- 🗆 ×	
 ✓ 	5	3	Automatic Upgrade Mani	ually Upgrade					
 ✓ 	5	4	Select Device						
 ✓ 	5	7	Select Device:	5-16\securit	tv 1		~	Get Device List	
✓	5	8	Manually SubNet ID:	5		Deutice ID: 16			
✓	5	12	Wandally Subvector		•	Device ID: 10	•	2Read Device Type	
	5	16	Select File:	D:\技术支持	特资料\HDL技术说明∹	BHDL folder\技术支持	\软件,固件\固件版本	2 / Add Device	
 ✓ 	5	22	Device Model:					J 4	
 ✓ 	5	33							-
 ✓ 	5	40	Upgrade List						
 ✓ 	5	53	SubNet ID De	vice ID N	lame St	atus	Path setting		
	5	59	5 16	se	curity Up	grading	D:\技术支持资料\HDL	技术说明书HDL folde	
~	5	71							
	5	101							
	100	100	Select all/none	De	lete selected device			5 Upgrade	
·	120	1							
			Device:	1 3	5-16		7%	.:	

- 1- Select device which need upgrade firmware.
- 2- Read Device Type.
- 3- Select upgrade firmware file for current device.
- 4- Add it to upgrade list
- 5- Upgrade.



Manually Upgrade: You can switch to Manually Upgrade page when upgrade failed, if

shows device's address, then select the upgrade file again and upgrade it.

😬 HDL Buspro	Setup Tool 2 V10.	05.41_2020062	29_Beta										
	A		5	. <mark>O</mark> .	. 🗎		Ţ	U .	×	2	?		
Option	Fast search	Data backup	Data restore	Advance search	Target	Function	Language	Check version	Tool	LOCK	Help		
Device list						Upgrade	Device						
Status	Subnet I	D	Device ID	Model		Upgrade	Enviro Raw		Description	(double click	this column	Version	
		Sele	rmware Upgrade natic Upgrade Ma ct Device vice: vice: File: vice Model:	5-16					Read	Device Type Upgrade	×		

How to make device enter to manual upgrade mode?

- 1- Go to Manually Upgrade page in software.
- 2- Power off the security module.
- 3- Long pressing the PRO and then power on it, after see the PRO flicker in red, release the PRO button.
- 4- Go to manually upgrade page, Software will show its address in Manually Upgrade page by auto, select upgrade file and upgrade it.

🔳 Firmware Upgra	ade						_			×
Automatic Upgrade	Manually Upgrade									
Select Device										
Device:	5-16					\sim	Rea	d Dev	vice Type	5
Select File:	D:\技术支持	寺资料\HDL技才	☆说明书HDL fol	lder\技术支持\软	件,固件\固件	版本		2 ^U	pgrade	
Device Model:										
Device:	-	5-16			82%					

5- Done



4 Application

Security module work with 7in1 sensor, home player, HDL-MPL8.48, etc. to show the functions of arm (vacation mode), disarm and alarm.

4.1 Panel Settings

a) Authorize the HDL-MPL8.48 to arm and disarm the system in Arming Settings window of in Bypass Settings page, Subnet/Device ID is 5/101.

5-16\			
Basic information Basic setting Arming setting Ala	arm commands Vacation setting ByPass setting		
Area No. 1 · Enable			
When about to arm, this module will be check if eve If you versions is 2011/06/21 or above. If now the de	eryone is OK.For example, if windows are closed. You oor is opened, it can output 8 commands. Only 1-16	can select up to 32 devices for checking. this function.	
Alarm+ByPass Arming settings			
Targets Num from(1-16)	To 10 Read		
Index	Subnet ID	Device ID	Remark
1	5	101	DLP
2	3	254	ILIFE

b) Go to HDL-MPL8.48 panel, configure button 1 to arm for vacation mode, key mode is 'single on', Subnet/Device ID is 5/16, key type is 'security module', parameter1(area No.) is 1, and parameter2 is 'vacation'.

5-101\DLP											
Settings 1 to	4 Pages AC Floor	heating Music Sle	ep gro	oup setti	ing						
Page-1 Pa	ige-2 Page-3 Page-4]		Current	selected pa	ge: Page-	1 Current selected I	button: 1 N	Iode: Single ON		
Hint: 1.Doub 2. Click t reading if the	le click button id to test i he button id to read its c re are three continuous o	t; ommands, would stop commands are invalid.		Targets							
Button ID	Name	Mode		Index	Subnet ID	Device ID	Туре	Param1	Param2	Param3	Param4
1	Vacation arm	Single ON	~ 1	1	5	16	Security Module	1(Zone no.)	Vacation	N/A	N/A
2	disarm	Single ON	\sim								

c) Configure button 2 to disarm, parameter2 is 'disarm', other settings are same as button 1.

										—
Settings 1 to	4 Pages AC Floor	heating Music Slee	p group set	ting						
Page-1 Page-1	age-2 Page-3 Page-4]	Curren	t selected pa	ge: Page-	1 Current selected	button: 2 M	Iode: Single ON		
Hint: 1.Doub 2. Click reading if the	le click button id to test i the button id to read its c re are three continuous	t; commands, would stop commands are invalid.	- Targets							
Button ID	Name	Mode	Index	Subnet ID	Device ID	Туре	Param1	Param2	Param3	Param4
1	Vacation arm	Single ON	/ 1	5	16	Security Module	1(Zone no.)	OFF/Disam	N/A	N/A
2	disarm	Single ON	~							

4.2 Sensor Settings

a) Go to 7in1's Security Function page, enable the security function of dry contact 1, dry contact 2 and IR sensor. Input the security module's ID, here is 5/16, and select area 1.

	5-12\7in1						
I	Sensor set	ting Logic Securit	y setup				
	Index	Sensor	Enable	Name	Subnet ID	Device ID	Area No.
L	1	Dry contact 1	\checkmark	main door	5	16	1
	2	Dry contact 2	\checkmark	windown	5	16	1
	3	IR sensor		PIR sensor	5	16	1

b) Go to security module's Bypass Settings page, enable the alarm for index 1/2/3, input the 7in1 sensor's ID, here is 5/12, and channel 1/2/3(the index No. in 7in1 sensor). Close the door and window, and make sure there is no movement in the detection range of 7in1, then refresh this page, you will be able to get the normal status of these three channels in the 'Status' column, here channel1, channel2 and channel 3 status are 'Close', then select 'Disconnect' for them in 'Trigger' column (if it shows 'OFF' under normal situation, then select 'Connect' for it).

Notice: make sure all in safe status (like close door/window, no movement), read Status. And then select the Trigger status (unsafe status).

									- 0
Basic information	Basic setting Armin	setting Alarm comm	ands Vacation setting	g ByPass setting					
Area No. 1	~ E	nable							
When about to an If you versions is 2	n,this module will be 011/06/21 or above.	e check if everyone is 0 If now the door is ope	DK.For example,if wind ned,it can output 8 co	dows are closed.You mmands.Only 1-16	can select up to 32 o this function.	devices for checking.			
Alarm+ByPass Arr	ning settings								
Index(1-32) from	1	То	3	Read					
Index	Alarm	Subnet ID	Device ID	Channel	Bypass	Trigger	Status	Mode	Remark
1			12			Disconnect 🗸 🗸	Close	Normal	main door
2		5	12	2		Disconnect ~	Close	Normal	window
3		5	12	3		Disconnect 🗸	Close	Normal	PIR sensor

c) Click the button in 'Mode' column of channel 1, select 'Other Security Level' for mode type, enable 'Vacation', enable 'entry delay times', select '2X'(suppose this door is far away from the HDL-MPL8.48, and it takes more time to disarm when enter from this door, then can select its entry delay time is two/four times of Entry Delay), then save.



Alarm+B	yPass Armi	ng settings												
Index(1-32) from	1		То	3	R	ead							
Index		Alarm	Subnet ID		Device ID	Channel		Bypass		Trigger		Status	Mode	Remark
1					12					Disconnect	\sim	Close	Normal	main door
2		\checkmark	5							_			Normal	window
3			5										Normal	PIR sensor
				1	Mode	select:	Other	security level	\sim					
												_		
					Vacation	🗹 Away	\checkmark	Night	\checkmark	Night guest		🖂 Day		
	•	1 T	_					-				- ·		
Curren	t selected in	dex largets												
Index	Subnet ID	Device ID	Туре		Entry delay times		O 1X			○ 4X			Param3	^
1	255	255	Invalid				0 14	© 24		0 44			N/A	
2	255	255	Invalid										N/A	
3	255	255	Invalid			Save			Close				N/A	
4	255	255	Invalid										N/A	

d) Click the button in 'Mode' column of channel 1 and 3, select 'Other Security Level' for mode type, enable 'Vacation', then save.

Alarm+B	Pass Armi	ng settings								
Index(L-32) from	1	То	3	Read					
Index		Alarm	Subnet ID	Device ID	Channel	Bypass	Trigger	Status	Mode	Remark
1		\checkmark	5	12	1		Disconnect	Close	Normal	main door
2			5	12	2		Disconnect	✓ Close	Normal	window
3			5		1	1		- п х	Normal	PIR sensor
Curren	t selected inc	dex Targets		✓ Vacation	🗹 Away	✓ Night	✓ Night guest	🗹 Day		
Index	Subnet ID	Device ID	Туре						Param3	
1	255	255	Invalid						N/A	
2	255	255	Invalid	Entry delay tir	mes				N/A	
3	255	255	Invalid						N/A	
4	255	255	Invalid		Save		Close		N/A	
5	255	255	Invalid						N/A	

e) When press the arm button, the senor will start to detect the status of these three channels to check whether they are in normal states or not. If all of them are 'Close', then the security will start to arm after Exit Delay. If one of them is not in the normal state (e..g. channel 2 shows 'OFF' status, the main door is still open), then it will fail to arm until you close window.

Alarm+ByPass Armi	ing settings								
Index(1-32) from	1	То	3	Read		win	dow still o	oen when a	rm
Index	Alarm	Subnet ID	Device ID	Channel	Bypass	Trigger	Status	Mode	Remark
1	\checkmark	5	12	1		Disconnect ~	Close	Normal	main door
2			12	2		Disconnect ~	OFF	Normal	window
3		5	12	3		Disconnect ~	Close	Normal	PIR sensor



The users can double click index 1/2/3 rows to set some warning targets when fails to arm. e.g. if channl2 is OFF when trying to arm (window still open when arm), will play the 5th warming tone from the home player,

										- 0
sic infor	mation Ba	sic setting Arming	setting Alarm comm	ands Vacation settin	ng ByPass setting					
Area No.	. 1	✓ Er	able							
When ab If you ver	oout to arm, rsions is 201	,this module will be 11/06/21 or above.1	check if everyone is C f now the door is oper)K.For example, if win ned, it can output 8 c	dows are closed.You ommands.Only 1-16	can select up to 32 d this function.	evices for checkin	g.		
larm+Byl	Pass Armi	ng settings								
Index(1-	-32) from	1	То	3	Read					
Index		Alarm	Subnet ID	Device ID	Channel	Bypass	Trigger	Status	Mode	Remark
L		\checkmark	5	12	1		Disconnect	Close	Normal	main door
2				12			Disconnect	V OFF	Normal	window
3		\checkmark	5	12	3		Disconnect	Close	Normal	PIR sensor
Current	selected in	lf wii Play dex Targets	ndow still op one pecial s	pen when a song like: w	rm, will arn indow is op	n fails. And ben now, pls	trigger be s close it b	low targe before you	it: u arm the sys	tem.
Index	Subnet ID		Type			Param1	Param2		Param3	
1	120	1	Music Control			Source Play	Specify Li	st	5(Song no.)	

f) Also users can enable the 'Bypass' function of channel 1, then the sensor will not detect this channel status when trying to arm. This is very useful when you need to walk out through one door after arm from the DLP Panel inside the room.

Alarm+ByPass Armi	Jarm+8yPass Arming settings												
Index(1-32) from 1 To 3 Read													
Index	Alarm	Subnet ID	Device ID	Channel	Bypass	Trigger	Status	Mode	Remark				
1			12			Disconnect ~	Close	Normal	main door				
2		5	12	2		Disconnect ~	Close	Normal	window				
3		5	12	3		Disconnect ~	Close	Normal	PIR sensor				

4.3 Vacation Settings

 Before leave for vacation, press the 'vacation mode' button, turn off AC and light, the music player will play a voice hint. After 20s (Exit Delay), the security module starts to arm the house.
 a) Set 20s for Exit Delay



b) Turn off channel 1 of relay(Subnet/Device ID is 5/4) and AC which is controlled by HDL-MPL8.48(Subnet/Device ID is 5/101) in 'EXIT BUZZER ON' window (user can set any targets they need, then when press arm button, it will trigger these targets)

Basic information Basic setting	rming sett	ing Alarm co	mmands Vaca	tion setting ByPass setting				
Area No. 1	~	floor	1	Inable				
When you are going to arm or ala	m,you car	n use buzzer fo	or help.Please s	et in further according to need.At	any condition	ou can set 8 objectives a	t most	
Siren delay(10-180s)	15			Reset after alarm(1-30m)	10			
Entry delay(10-180s)	10			Exit delay(10-180s)	20	More people	leave mode	
Туре	Index	Subnet ID	Device ID	Туре		Param1	Param2	Param3
ENTER BUZZER ON	1	5	4	Single Channel Control		1(Channel no.)	O(Intensity)	0:0(Running time[M:S])
ENTER BUZZER OFF	2	5	101	Panel Control		AC power	ON(Switch Status)	1(AC no.)
EXIT BUZZER ON	3	255	255	Invalid		N/A	N/A	N/A
EXIT BUZZER 5S LEFT	4	255	255	Invalid		N/A	N/A	N/A
	_							

c) Trigger the home player (create a folder and name it 'special' in USB disk, put some voice files (.voc and sort them with a name '001', '002', '003'...)) to play a voice hint from the 'VACATION ARM' window, need to set Music commands here

📜 > spe	ecial	~	ひ 搜索"special"	Ą
・ オ オ オ ガ 対級医	名称 001.voc SPE 002.voc 003.voc 005.voc 006.voc songs remark.txt	修改日期 cial folder 2011/5/7 11 songs remark.txt - 记事本 文件(E) 编辑(E) 格式(Q) 重 001: vacation 002: away 003: come in 005: failure	※型 :25 VOC文件 に 経 電 (火) 帮助(出)	大小 30
安防		005: failure 006: disarm		

Here the voice hint for vacation is '001.voc', then set Music command to trigger it. The ID of home player is 120/1, the parameter3 is the voice number in name.

5	i-16\security								— () X	
I	Basic information Basic setting Arming s	etting	Alarm commar	ds Vacation s	setting ByPass setting						
	Area No. 1 Enable Different types of arming can set different goals.Each type can be set up to 32 targets.										
	Type VACATION ARM		Trigger when I	eaving Targ	ets from(1-32)	То	8	Read			
	AWAY ARM Index Subnet ID Device ID Type Param1 Param2 Param3										
NIGHT ARM 1 120 1 Music Control Source Play Specify List 1(Song no.)								1(Song no.)			
-		-									

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2. Simulate has someone at home to control the light during vacation.

The room lights will turn on at 6:00, and turn off at 7:00 in the morning, and turn on at 20:00, turn off at 23:00 in the evening.

a) Enable index 1, set the 'Start Time' is 6:00, and the 'End Time' is 7:00 in 'Vacation Settings' page. When the time reaches 6:00, it will turn on it.

							— Ō X			
Basic information Ba	asic setting Arming se	etting Alarm com	mands Vacation setting	ByPass setting						
Area No. 1 Enable In holiday, you can set 8 time period to automatically start and stop working. Each period can be set up 32 targets.										
Index	Enable		Start time:			End time:				
1			6:0:0			7:0:0				
2			0:0:0			0:0:0				
3			0:0:0			0:0:0				
4			0:0:0			0:0:0				
5			0:0:0			0:0:0				
6			0:0:0			0:0:0				
7			0:0:0			0:0:0				
8			0:0:0			0:0:0				
Targets from(1-32)	1	То	8) ON 🔿 OFF	Read					
Index Subnet ID	Device ID	Туре			Param1	Param2	Param3			
1 5	4	Single Channel C	ontrol		1(Channel no.)	100(Intensity)	0:0(Running time[M:S])			
2 255	255	Invalid		1	N/A	N/A	N/A			

b) Select 'OFF', setup to turn off channel1 of relay (ID is 5/4). When the time reaches 7:00, it

will turn off it.

5-16\security												
Basic information B	Basic information Basic setting Arming setting Alarm commands Vacation setting ByPass setting											
Area No. 1 Enable In holiday, you can set 8 time period to automatically start and stop working. Each period can be set up 32 targets. 32 targets.												
Index	Enable		Start time:			End time:						
1			6:0:0			7:0:0						
2			0:0:0			0:0:0						
3			0:0:0			0:0:0						
4			0:0:0			0:0:0						
5			0:0:0			0:0:0						
6			0:0:0			0:0:0						
7			0:0:0			0:0:0						
8			0:0:0			0:0:0						
Targets from(1-32)	1	То	8	ON OFF	Read							
Index Subnet ID	Device ID	Туре			Param1	Param2	Param3					
1 5	4	Single Channel	Control		1(Channel no.)	O(Intensity)	0:0(Running time[M:S])					
2 255	255	Invalid		1	N/A	N/A	N/A					

c) Enable index 2, set the 'Start Time' is 20:00, and the 'End Time' is 23:00, follow above settings to turn on lights at 20:00, turn off at 23:00 in the evening.



sic information Ba	sic setting Armin	g setting Alarm co	mmands Vacation setting ByPass	setting		
Area No. 1	~	Enable				
In holiday, you can se	et 8 time period to	automatically star	rt and stop working.Each period can	be set up 32 targets.		
dex	Enable		Start time:		End time:	
			6:0:0		7:0:0	
			20:0:0		23:0:0	
			0:0:0		0:0:0	
			0:0:0		0:0:0	
			0:0:0		0:0:0	
			0:0:0		0:0:0	
			0:0:0		0:0:0	
			0:0:0		0:0:0	
rgets from(1-32)	1	То	8 🖲 ON	O OFF Read		
ex Subnet ID	Device ID	Type		Param1	Param2	Param3
5	4	Single Channe	l Control	1(Channel no.)	100(Intensity)	0:0(Running time[M:S])
255	255	Invalid		N/A	N/A	N/A
ö\security	•			1		— П
\security	ric catting Armi	a cotting	ammande Varation setting Bulbace	ratting		— Ō
'security	sic setting Armir	ng setting Alarm co	ommands Vacation setting ByPass	setting		· — 0
security c information Ba rea No. 1	sic setting Armin	ng setting Alarm co	ommands Vacation setting ByPass	setting		- O
security c information Ba ea No. 1 holiday, you can se	et 8 time period to	ng setting Alarm co Enable o automatically sta	ommands Vacation setting ByPass	setting be set up 32 targets.		- Ō
security c information Ba ea No. 1 holiday, you can so ex	et 8 time period to Enable	ng setting Alarm co Enable o automatically sta	ommands Vacation setting ByPass rt and stop working.Each period can Start time:	setting be set up 32 targets.	End time:	- O
security c information Ba ea No. 1 holiday, you can su ex	et 8 time period to Enable	ng setting Alarm co Enable o automatically sta	ommands Vacation setting ByPass rt and stop working.Each period can Start time: 6:0:0	setting be set up 32 targets.	End time: 7:0:0	- O
security c information Ba ea No. 1 holiday,you can su ex	sic setting Armin	ng setting Alarm co Enable o automatically sta	ommands Vacation setting ByPass rt and stop working.Each period can Start time: 6:0:0 2000:0	setting be set up 32 targets.	End time: 7:0:0 23:0:0	· — Ō
security c information Ba ea No. 1 holiday, you can se ex	sic setting Armin v et 8 time period t Enable	ng setting Alarm co Enable o automatically sta	rt and stop working.Each period can Start time: 6:0:0 20:0:0 0:0:0 0:0:0	setting be set up 32 targets.	End time: 7:0:0 23:0:0 0:0:0	
security c information Ba rea No. 1 holiday,you can se lex	sic setting Armin V et 8 time period t Enable	ng setting Alarm co Enable o automatically sta	ommands Vacation setting ByPass rt and stop working.Each period can Start time: 6:0:0 20:00 0:0:0 0:0:0 0:0:0	setting be set up 32 targets.	End time: 7:0:0 23:0:0 0:0:0 0:0:0	
security c information Ba rea No. 1 holiday,you can se ex	et 8 time period t Enable	Alarm cc Enable o automatically sta	rt and stop working.Each period can Start time: 6:0:0 20:0:0 0:0:0 0:0:0 0:0:0	setting be set up 32 targets.	End time: 7:0:0 23:0:0 0:0:0 0:0:0 0:0:0	
security c information Ba rea No. 1 holiday,you can se	et 8 time period tr Enable	Alarm cc Enable o automatically sta	rt and stop working. Each period can Start time: 6:0:0 20:0:0 0:0:0 0:0:0 0:0:0 0:0:0 0:0:0	setting be set up 32 targets.	End time: 7:0:0 23:0:0 0:0:0 0:0:0 0:0:0 0:0:0 0:0:0 0:0:0	
security c information Ba rea No. 1 holiday,you can se	et 8 time period tr Enable	Alarm co Enable o automatically sta	rt and stop working. Each period can Start time: 6:0:0 20:0:0 0:0:0 0:0:0 0:0:0 0:0:0 0:0:0 0:0:0 0:0:0 0:0:0 0:0:0 0:0:0 0:0:0	setting be set up 32 targets.	End time: 7:0:0 23:0:0 0:0:0 0:0:0 0:0:0 0:0:0 0:0:0 0:0:0 0:0:0	
security c information Ba rea No. 1 holiday,you can se lex	et 8 time period tr Enable	Alarm co Enable o automatically sta	Animands Vacation setting ByPass rt and stop working.Each period can Start time: 6:0:0 20:0:0 0:0:0 0:0:0 0:0:0 0:0:0 0:0:0 0:0:0 0:0:0 0:0:0 0:0:0 0:0:0 0:0:0 0:0:0 0:0:0 0:0:0	setting be set up 32 targets.	End time: 7:0:0 23:0:0 0:0:0 0:0:0 0:0:0 0:0:0 0:0:0 0:0:0 0:0:0	
security c information Ba rea No. 1 holiday, you can so lex	et 8 time period t Enable	ng setting Alarm co Enable o automatically sta	rt and stop working.Each period can Start time: 6:0:0 20:0:0 0:0 0	setting be set up 32 targets.	End time: 7:0:0 23:0:0 0:0:0 0:0:0 0:0:0 0:0:0 0:0:0 0:0:0 0:0:0	
Isecurity ic information Ba rea No. 1 1 holiday, you can so Jex Jex argets from (1-32) Iex Subnet ID	et 8 time period t Enable	ng setting Alarm co Enable o automatically sta	rt and stop working.Each period can Start time: 6:0:0 20:0:0 0:0 0	setting be set up 32 targets.	End time: 7:0:0 23:0:0 0:0:0 0:0:0 0:0:0 0:0:0 0:0:0 0:0:0 0:0:0 0:0:0 0:0:0	О́
ic information Ba rea No. 1 holiday,you can su dex argets from(1-32) iex Subnet ID 5	et 8 time period t Enable	ng setting Alarm co Enable o automatically sta	rt and stop working.Each period can Start time: 6:0:0 20:0:0 0 0:0:0 0 0:0:0 0 0:0:0 0 0:0:0 0 0:0:0 0 0:0:0 0 0:0:0 0 0:0:0 0 0:0:0 0 0:0:0 0 0:0:0 0 0:0:0 0 0:0:0 0 0:0:0 0 0:0:0 0 0:0:0 0 0:0:0 0 0:0:0 0 8 ON el Control 0	setting be set up 32 targets. © OFF Read Param1 1(Channel no.)	End time: 7:0:0 23:0:0 0:0:0 0:0:0 0:0:0 0:0:0 0:0:0 0:0:0 0:0:0 0:0:0 0:0:0 0:0:0 0:0:0 0:0:0	Param3 C:0(Running time[M:S])

3. When there is someone opening the door, then 7in1 sensor's detected status will change(no movement -> movement, dry contact: connected ->disconnected), it will report to the security module, then security module will trigger to the home player to play 'welcome home' voice hint.

a) Make sure there is one voice hint for come back in special folder of USB disk. Here it is '003.voc' (come in voice).



b) Go to 'ENTER BUZZER ON', setup to trigger the home player (ID is 120/1) to play the 3rd voice when open the door.



5-16\security										\square	
Basic information Basic setting Arr	ning setti	Alarm con	nmands Vaca	ation setting	ByPass setting						
Area No. 1	~	floor	1		🗹 Enab	ble					
When you are going to arm or alarm	When you are going to arm or alarm, you can use buzzer for help. Please set in further according to need. At any condition you can set 8 objectives at most										
☑ Siren delay(10-180s)	15			Reset after	r alarm(1-30m)	10					
Entry delay(10-180s)	10			Exit delay((10-180s)	20	More people	leave mode			
Туре	Index	Subnet ID	Device ID	Туре			Param1	Param2	Param3		
ENTER BUZZER ON	1	120	1	Music Con	trol		Source Play	Specify List	3(Song no.)		
ENTER BUZZER OFF	2	255	255	Invalid			N/A	N/A	N/A		

4. The house owner go to the HDL-MPL8.48 to press the disarm button within 20s (Entry Delay), then security module will work under the non-monitoring mode. Better to set password for this arm/disarm page, then only the owner can access it to control.

When press disarm button, will trigger disarm targets. Like play the disarm voice.

5-16\security											
Basic information Basic setting Arming	setting	Alarm comman	ds Vacation s	setting ByPass setting							
Area No. 1 Enable Different types of arming can set different goals.Each type can be set up to 32 targets.											
Type VACATION ARM			Targ	ets from(1-32) 1 To	8	Read					
AWAY ARM	Index	Subnet ID	Device ID	Туре	Param1	Param2	Param3				
NIGHT ARM	1	120		Music Control	Broadcast Play	Specify List	6(Song no.)				
NIGHT G ARM	2	255	255	Invalid	N/A	N/A	N/A				
DAY ARM	3	255	255	Invalid	N/A	N/A	N/A				
DISARMARM	4	255	255	Invalid	N/A	N/A	N/A				
	-		~~~								

5. If it's not the house owner, after 20s (Entry Delay), will turn to alarm. After 5 minutes of alarm, still not disarm, stop alarm. When there are more triggers from 8in1 sensor, it will start to alarm again, and that cycle repeats.

a) Set 20s for Entry Delay, 15s for Siren Delay, 5 minutes for Reset after Alarm.

	O,	\times
Basic information Basic setting Arming setting Alarm commands Vacation setting ByPass setting		
Area No. 1 🗸 floor 1	 	
When you are going to arm or alarm, you can use buzzer for help. Please set in further according to need. At any condition you can set 8 objectives at most		
✓ Siren delay(10-180s) 15 Reset after alarm(1-30m) 5		
Entry delay(10-180s) 20 Exit delay(10-180s) 20 More people leave mode		

b) Can set to trigger the alarm buzzer after 20s, e.g. the alarm buzzer is connected to channel2 of one relay (ID is 5/4), then can set as below:



							- 0 $>$				
Basic information Basic setting Arm	ing setti	ng Alarm cor	mmands Vacat	ion setting ByPass setting							
Area No. 1	/	floor	1	☑ Enable							
When you are going to arm or alarm, you can use buzzer for help. Please set in further according to need. At any condition you can set 8 objectives at most											
☑ Siren delay(10-180s)	Siren delay(10-180s) 15 Reset after alarm(1-30m) 5										
Entry delay(10-180s)	20			Exit delay(10-180s) 20	More people	e leave mode					
Туре	Index	Subnet ID	Device ID	Туре	Param1	Param2	Param3				
ENTER BUZZER ON	1	5	4	Single Channel Control	2(Channel no.)	100(Intensity)	0:0(Running time[M:S])				
ENTER BUZZER OFF	2	255	255	Invalid	N/A	N/A	N/A				
EXIT BUZZER ON	3	255	255	Invalid	N/A	N/A	N/A				
EXIT BUZZER 5S LEFT	4	255	255	Invalid	N/A	N/A	N/A				
EXIT BUZZER OFF	5	255	255	Invalid	N/A	N/A	N/A				
ALARM BUZZER ON	6	255	255	Invalid	N/A	N/A	N/A				

c) It will trigger the alarm targets in the 'VACATION ALARM' after 20s at the same time. Here set to open the curtain and turn on lights when alarm.

	5-16\security												
Basic information Basic setting	Basic information Basic setting Arming setting Alarm commands Vacation setting ByPass setting												
Area No. 1 ✓ Enable Once alarm. the device triggers different goals accoring to the type of alarm.Each type can be set													
Туре	1	Targets from(1-	-32) 1	L To 8	Read								
	Index	Subnet ID	Device ID	Туре	Param1	Param2	Param3						
	1	5	7	Curtain Switch	1(Curtain no.)	Open(Switch Status)	N/A						
	2	5	4	Single Channel Control	1(Channel no.)	100(Intensity)	0:0(Running time[M:S])						
NIGHT_G ALARM	3 5 22 Broadcast Channel All Channels 100(Intensity) 0:0(Running time[M:S])												
	4	255	255	Invalid	N/A	N/A	N/A						

d) After the Siren Delay, here it's 15s, if still not disarm, it will trigger the targets in 'INDOOR SIREN ON' and 'OUTDOOR SIREN ON' in 'Basic setting' page.

e) After 5 minutes from alarm, it will restart into the monitoring state, if there are more triggers, it will trigger the buzzer, siren, alarm and so on then realize that monitor and alarm circularly.

