Vesta Series

Innovative for Video Verification

VST-2752
IP+3G Alarm System
User Manual

Jan-06-2014

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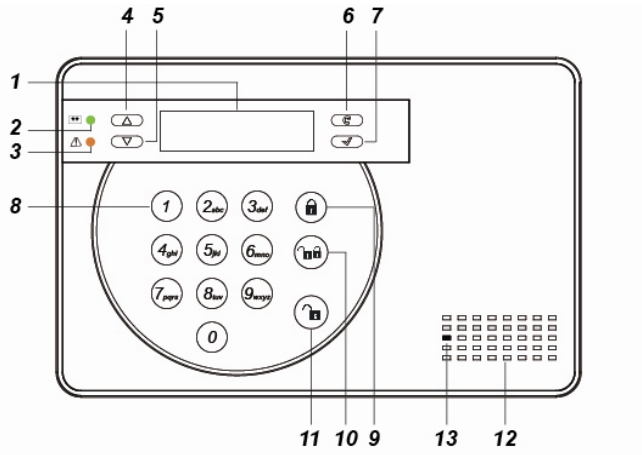
1.1. Identifying the Parts



1. Backlit LCD Display

2. Green LED

ON: AC Power is on.

FLASH: AC Power failure.

OFF: Power off

3. Yellow LED

ON: Fault Indicator; the Yellow LED will light up when any fault situation is detected and turn off when all fault conditions are restored.

4. ▲ Key

— Use this key to move the cursor and scroll the display upwards

5. ▼ Key

— Use this key to move the cursor and scroll the display downwards.

6. ↺ Key

— Use this key for deleting a digit, canceling the selection, aborting the current screen and returning to the previous screen etc.

7. OK Key

— To confirm the keyed-in data or confirm the selection.

8. Numeric Keys

9. Away Arm Key

— Use this key to Away Arm the system.

10. Home Arm Key

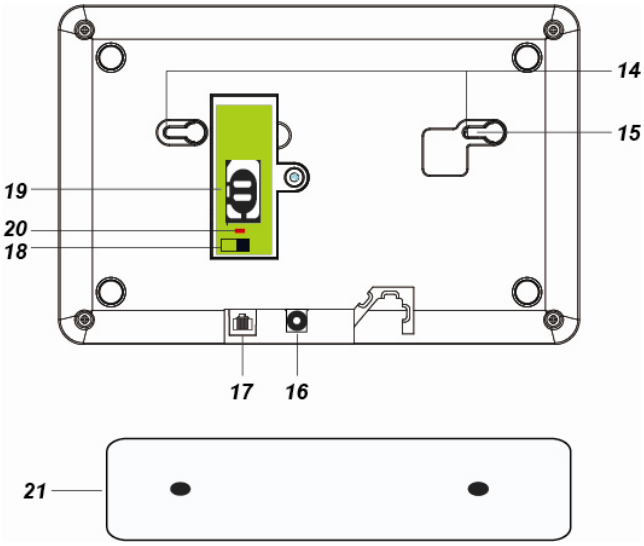
— Use this key to Home Arm the system.

11. Disarm Key

— Use this key to Disarm the system.

12. Buzzer

13. Microphone



14. Mounting Holes & Tamper

15. Tamper Switch

16. DC Jack

— For connecting the DC 9V 1A power adaptor.

17. Internet Connection

18. Battery Switch

19. SIM Card Base

20. GSM/GPRS LED

— On for 5 seconds when power is supplied.

— Flash Slowly: GSM normal.

— Flash Quickly: GSM failure.

21. Wall Mounting Bracket

— For mounting the Control Panel on the wall.

1.2. Introduction

VST-2752 Control Panel features both IP and 3G mobile network reporting functions:

The advanced IP Security System with fully integrated TCP/IP technology and Ethernet connectivity is able to take full advantage of new advances in IP Home Security and Home Automation and multi-path signalling.

SMS remote programming and command is also available to configure your panel by SMS messages. You can also use our Vesta EZ Home smartphone applications to send the SMS commands easily for basic panel functions.

- **3G SIM card**

The Control Panel features built-in 3G mobile network facility to report to the Monitoring Station. To use this function, a SIM card is required.

<NOTE>

☞ Please disable the SIM card PIN code before inserting into the Control Panel.

☞ Please make sure the SIM card data transfer and MMS functions are activated

- Unlock the SIM card base by sliding the cover toward **OPEN** direction.
- Spring open the SIM card slot and insert your new SIM card.
- Replace the SIM slot onto the base lightly.
- Remember to lock the SIM card base by sliding the cover toward **LOCK** direction.

1.3. The Power Supply

An AC power adaptor is required to connect to a wall outlet. Be sure only to use an adaptor with the appropriate AC voltage rating to prevent component damage.

A DC 9V output and 1A switching power is generally used to power the Control Panel.

- **Rechargeable Battery**
  - In addition to the adapter, there is a rechargeable battery inside the Control Panel that serves as a backup powering source in case of any power failure condition.
  - During normal operation, the AC power adapter is used to supply power to the Control Panel and at the same time recharge the battery. It takes approximately 72 hours to fully charge the battery.
  - Battery Switch is set as **OFF** by factory default, the battery will not be charged when AC power is connected, nor will it serve as a back-up power source when AC power is missing. You need to switch the battery to **ON** after supplying AC power to Control Panel.

1.4. How to Install the Control Panel

The easiest way to get to know the system and get it up and running quickly is to get all the devices and accessories programmed on a tabletop before locating and mounting them.

The Control Panel can be mounted on the wall or wherever desired. Ensure the Control Panel is fitted at approximately chest height where the display can be easily seen and the keypad convenient to operate.

Step 1. Using the 2 holes of the Wall Mounting Bracket as a template, mark off the holes' positions.

Step 2. Connect AC power adaptor, Ethernet cable and insert SIM card.

Step 3. Hook the Control Panel onto the Wall Mounting Bracket.

Step 4. Plug the AC power adaptor into wall socket, the Control Panel Green LED will light up along with 2 beeps to indicate the panel is now operational.

1.5. Three – Level Passwords

In order to provide maximum security when operating the system, the Control Panel offers different levels of authorization for various situations.

User PIN Code

- The User Codes are used for users to access the alarm system for basic alarm system function. A total of 10 4-digit User Codes can be stored in the Control Panel. Each individual User can be given a name for easy recognition when viewing system events. User Names can be named when first setting them or by editing them afterwards when resetting them.
- User PIN code #1 is activated with "**1234**" as factory default and cannot be deleted.
- User PIN code #2~#10 are deactivated by factory default
- Whenever panel asks to key in **Enter Code** or, please enter your User PIN Code.

Master Code

- The Master Code has the authorization to enter Programming Mode for advanced system setting. When the display panel asks you to key in **M-Code**, please enter your Master Code.
- Factory default: **1111**

Installer Code

- The Installer Code is for installer to program system configurations under installer menu, such as Tel. Number, Account Number.
- When the display panel asks for **I-Code**, please enter your Installer Code.
- Factory default: **7982**

Guard Code

- The Guard Code has the same level of authorization as the PIN Code. It is designed for security personnel to access the alarm system.

Temporary Code

- The Temporary Code is designed for the use of occasional visitors. It has the same authorization level as the User PIN Code, but will be removed after one arming and disarming action.

Duress Code

- The Duress Code is specially designed for situation when the user is under personal threat. It has the same level of authorization as User PIN Code, however when a Duress Code is entered, the Control Panel will send a silent alarm report to notify that the user is being threatened or held against his will.

1.6. System Basic Operation

- While entering PIN code, if incorrect codes have been entered for 5 times. The keypad input will be prohibited for 10 minute. Any key press during this 10-minute period will reset the timer to 10 minutes.
- When entering information for system configuration, press ↺ key tol clear the field, when the field is empty, press ↺ key again to leave current screen, no information will be saved.
- When under user/programming/installer menu, if no keys are pressed within 2 minutes, the panel will automatically exit the menu and return to disarm mode.
- If the Control Panel lost power supply. When the power is restored, it will resume its previoius mode.
- When programming settings, refer to the following tables to enter symbols and alphabets, press the key repeatedly until the desired symbol/alphabet appears.

1	1 ， ！ ？ － 【 】 @ /
2	2 A B C a b c
3	3 D E F d e f
4	4 G H I g h i
5	5 J K L j k l
6	6 M N O m n o
7	7 P Q R S p q r s
8	8 T U V t u v
9	9 W X Y Z w x y z
0	0 <space> / － ＆ ’ . ＋ ：
↺	Delete character and backspace

1.7. Getting Started

Step 1. Find a suitable location for the Control Panel to be installed.

Step 2. Insert the SIM card in to GSM module and connect the internet cable.

Step 3. Apply the AC Power. You will hear 2 short beep. **Disarm** will be displayed on the first line and the system time displayed on the second line of the screen indicating the system is in Disarm mode (Factory Default).

		R	**e**	**a**	**d**	**y**		**t**	**o**		**A**	**r**	**m**		
		0	**0**	**:**	**0**	**1**		**J**	**a**	**n**		**0**	**1**		

2. System Configuration

In order to configure the Control Panel setting, you need to enter the Installer Menu. To enter the Installer Menu:

Step 1. Under Disarm mode, press any key on the numeric keypad, you will be prompted to enter User Menu.

			E	n	t	e	r		C	o	d	e		
						*	.	.	.					

Step 2. Enter a User PIN code (default is **1234**) then press **OK** to confirm. You will enter User Menu

	F	a	u	l	t		D	i	s	p	l	a	y	
	L	o	g											
	A	l	a	r	m		M	e	m	o	r	y		
	B	y	p	a	s	s								
	A	p	p	l	y		S	c	e	n	e			
	A	w	a	y		A	r	m						
	H	o	m	e		A	r	m		1				
	H	o	m	e		A	r	m		2				
	H	o	m	e		A	r	m		3				
	P	-	M	e	n	u								
	I	-	M	e	n	u								

Step 3. Select I-Menu and press **OK** to confirm. You will be prompt to enter Installer Code.

		E	n	t	e	r		I	-	C	o	d	e	
						.	.	.	.					

Step 4. Enter the Installer code (default is **7982**) and press **OK** to confirm. You will enter the Installer Menu.

	W	a	l	k		T	e	s	t					
	I	n	s	t	a	l	l		C	o	d	e		
	R	p	t	n	.	S	e	t	t	i	n	g		
	T	e	s	t		R	e	p	o	r	t			
	R	e	c	o	r	d		M	s	g				
	G	S	M		S	e	t	t	i	n	g			
	P	a	n	e	l		S	e	t	t	i	n	g	
	G	e	n	.	S	e	t	t	i	n	g			
	D	e	v	i	c	e		+	/	-				
	N	e	t	w	o	r	k		S	e	t	.		
	M	e	d	i	a		U	p	l	o	a	d		

2.1. Walk Test

The Walk Test function allows you to test learned in devices. (Please refer to **2.7 Device +/-** for device learning detail)

Step 1. Select **Walk Test** and press **OK** to confirm. You will enter Walk Test mode..

*			W	a	l	k		T	e	s	t			*

Step 2. Press the learn/test button on your device to transmit a test code (please refer to device manual for detail). If the Control Panel receives the test code, it will display the device information accordingly.

2.2. Install Code

This function is for you to edit the Installer code

Step 1. Select **Install Code** and press **OK** to confirm.

		E	n	t	e	r		I	-	C	o	d	e	
						.	.	.	.					

Step 2. Enter the new 4-digit Installer code and press **OK** to confirm..

2.3. Report Setting

The Report Setting function allows you to configure your report destinations. 8 reporting detinations are available for configuration.

Step 1. Select **Rptn. Setting** and press **OK** to confirm.

		1	)											
		2	)											
		.	.											
		.	.											
		.	.											
		8	)											

Step 2. Select the reporting number you want to program and press **OK** to confirm.

Step 3. Select the report type

		G	S	M										
		S	M	S	(	C	I	D	)					
		S	M	S	(	T	E	X	T	)				
		I	P	(	S	I	A	)						
		I	P	(	C	I	D	)						
		M	a	i	l									
		V	o	i	c	e								
		D	e	l	e	t	e							

- ☞ **GSM:** DTMF digital reporting in CID format through GSM.
- ☞ **SMS(CID):** SMS reporting in CID event code format.
- ☞ **SMS (Text):** SMS reporting in text message format.
- ☞ **IP(SIA):** IP/GPRS reporting in SIA format:

- ☞ **IP(CID):** IP/GPRS reporting in CID format.
- ☞ **Mail:** Email reporting. (SMTP setting required)
- ☞ **Voice:** Voice message reporting.
- ☞ **Delete:** Choose “Delete” to remove existing report setting.

Step 4. For GSM/SMS(CID)/IP(CID/IP(SIA) setting, you will be asked to enter an account number.

Step 5. Enter the IP address for IP reporting, email address for email reporting or telephone/mobile number for GSM/SMS reporting.

Step 6. For IP reporting, enter the port number.

Step 7. Select a group for the report destination.

- ☞ The reporting priority is based on to group number sequence. From Group 1 → Group →Group 2 → Group 3 →….etc
- ☞ When more than one reporting destinations are assigned to a group, if a report is sent to one of the detinations successfully, the system will stop reporting to the rest of the reporting destination in the same group and move on to report to the next group.

  If the Control Panel fails to send report to the first detination in a group, it will move on to the next reporting destination. If all reporting destinations in the group cannot be reached, the Control Panel will move on to the next group

  If the Control Panel fails to report to all reporting groups, it will start reporting from group 1 and continue retrying until one report is made successfully.

Step 8. Select the event type to be reported to this report destination.

- ☞ **All:** All events will be reported.
- ☞ **Status:** Only status events will be reported.
- ☞ **Alarm:** Only alarm events will be reported.

2.4. Test Report

This function is for you to test the reporting destination you entered.

Step 1. Select **Test Report** and press **OK** to confirm.

Step 2. The Control Panel will send a test report to the first reporting destination.

2.5. Record Message

Use the function to record your Address Message for Voice Report, the Address Message is the first message played in every voice report to notify the call recipient of the caller’s information. The maximum length of the message is 10 seconds.

Step 1. Select **Record Msg** and press **OK** to confirm.

S	**t**	**a**	**r**	**t**		**R**	**e**	**c**	**o**	**r**	**d**	**i**	**n**	**g**
					(	**O**	**K**	**?**	**)**					

Step 2. Press **OK** to start recording.

		R	**e**	**c**	**o**	**r**	**d**	**i**	**n**	**g**	**.**	**.**	**.**	
P	**r**	**e**	**s**	**s**		**O**	**K**		**t**	**o**		**s**	**t**	**o**	**p**

Step 3. The Control Panel will emit a beep. Start recording after the beep, speak clearly and slowly for the Control Panel to record your address. When you finish recording, press **“OK”** to stop recording, the recording will automatically stop when it reaches 10 second.

<NOTE>

- ☞ If you do not record your own Address Message, the system will play default alarm message when reporting. The default message is “Alarm System.”

2.6. GSM Setting

The GSM function allows you to program GRPS network and MMS settings,

Step 1. Select **GSM Setting** and press **OK** to confirm.

		G	**P**	**R**	**S**		**S**	**e**	**t**	**t**	**i**	**n**	**g**	
		M	**M**	**S**		**S**	**e**	**t**	**t**	**i**	**n**	**g**		
		G	**S**	**M**		**S**	**i**	**g**	**n**	**a**	**l**			
		G	**S**	**M**		**R**	**e**	**s**	**e**	**t**				

● GPRS Setting

In order to use GPRS to serve as a back-up IP Reporting method, this section will need to be programmed before reporting.

Step 1. Select **GPRS Setting** and press **OK** to confirm.

		A	**P**	**N**										
		U	**s**	**e**	**r**									
		P	**a**	**s**	**s**	**W**	**o**	**r**	**d**					

Step 2. Select **APN** and press **OK** to confirm.

				A	**P**	**N**		**E**	**d**	**i**	**t**			
i	**n**	**t**	**e**	**r**	**n**	**e**	**t**							

Step 3. Enter your APN(Access Point Name) and press **OK** to confirm. Inquire your service provider for information if needed.

Step 4. Select **User** and press **OK** to confirm.

			U	**s**	**e**	**r**		**N**	**a**	**m**	**e**			

Step 5. Enter your log in user name and press **OK** to confirm. Inquire your service provider for information if needed.

Step 6. Select **Password** and press **OK** to confirm.

				P	**a**	**s**	**s**	**w**	**o**	**r**	**d**			

Step 7. Enter your log in password and press **OK** to confirm. Inquire your service provider for information if needed.

● MMS Setting

MMS setting is required if you want to send pictures/videos captured by PIR Camera or PIR Video Camera to mobile phones.

Step 1. Select **MMS Setting** and press **OK** to confirm.

		A	**P**	**N**										
		U	**s**	**e**	**r**									
		P	**a**	**s**	**s**	**w**	**o**	**r**	**d**					
		U	**R**	**L**										
		P	**r**	**o**	**x**	**y**		**A**	**d**	**d**	**r**	**e**	**s**	**s**
		P	**o**	**r**	**t**									

Step 2. Select **APN** and press **OK** to confirm.

				A	**P**	**N**		**E**	**d**	**i**	**t**			
m	**m**	**s**												

Step 3. Enter your APN(Access Point Name) and press **OK** to confirm. Inquire your service provider for information if needed.

Step 4. Select **User** and press **OK** to confirm.

			U	**s**	**e**	**r**		**N**	**a**	**m**	**e**			

Step 5. Enter your log in user name and press **OK** to confirm. Inquire your service provider for information if needed.

Step 6. Select **Password** and press **OK** to confirm.

				P	**a**	**s**	**s**	**w**	**o**	**r**	**d**			

Step 7. Enter you log in password and press **OK** to confirm. Inquire your service provider for information if needed.

Step 8. Select **URL** and press **OK** to confirm.

						U	**R**	**L**						

Step 9. Enter your MMS APN URL and press **OK** to confirm. Inquire your service provider for information if needed.

Step 10. Select **Proxy Address** and press **OK** to confirm.

	P	**r**	**o**	**x**	**y**		**A**	**d**	**d**	**r**	**e**	**s**	**s**	

Step 11. Enter your MMS Proxy Address and press **OK** to confirm. Inquire your service provider for information if needed.

Step 12. Select **Port** and press **OK** to confirm.

						P	**o**	**r**	**t**					

Step 13. Enter your MMS Port and press **OK** to confirm. Inquire your service provider for information if needed.

● GSM Signal

GSM Signal function displays your current GSM strength in RSSI value,

Step 1. Select **GSM Signal** and press **OK** to confirm.

			G	**S**	**M**		**S**	**i**	**g**	**n**	**a**	**l**		
				R	**S**	**S**	**I**		**=**		**9**			

Step 2. The screen will display GSM strength in RSSI value from 1 to 9.

● GSM Reset

This is for you to reset your GSM module.

Step 1. Select **GSM Reset** and press **OK** to confirm.

	A	**r**	**e**		**y**	**o**	**u**		**s**	**u**	**r**	**e**	**?**	

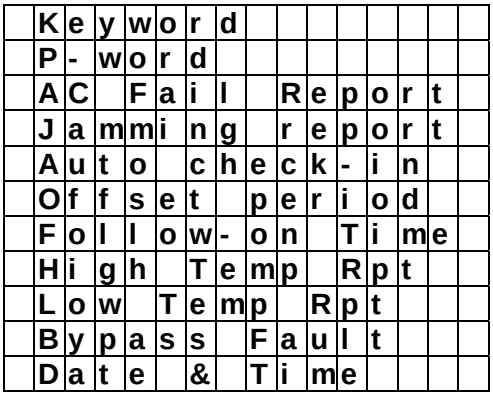
Step 2. The screen will ask you to confirm the action, press **OK** of you want to reset GSM.

Step 3. The GSM module will be reset.

2.7. Panel Setting

The Panel Setting menu allows you to program Control Panel configurations.

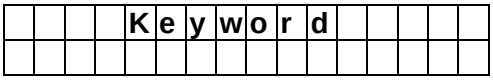
Step 1. Select **Panel Setting** and press **OK** to confirm.



- **Keyword**

The Keyword is used for receiving SMS commands from users. When a user sends a SMS command to the Control Panel, the correct keyword must be entered along with a valid User PIN code for the Control Panel to recognize the command. The Keyword is disabled by default.

Step 1. Select **Keyword** and press **OK** to confirm.

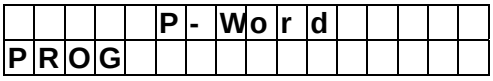


Step 2. The screen will display current Keyword. Enter the new keyword if you want to edit keyword, press **OK** to confirm the change.

- **P-word**

The P-word is also used for receiving SMS commands from Installers. When an installer sends a SMS command to the Control Panel, the correct P-word must be entered along with Installer code for the Control Panel to recognize the command. The P-word is "**PROG**" by default.

Step 1. Select **P-word** and press **OK** to confirm.

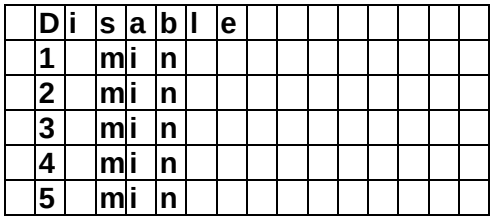


Step 2. The screen will display current P-word. Enter the new keyword if you want to edit keyword, press **OK** to confirm the change.

- **AC Fail Report**

This is for you to set the waiting time for the Control Panel to make report after detecting AC failure. Factory default is set to **5** minutes.

Step 1. Select **AC Fail Report** and press **OK** to confirm.

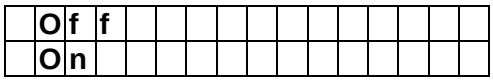


Step 2. The screen will display current AC fail report setting. To change the setting, select a new option and press **OK** to confirm.

- **Jamming Report**

This is for you to set whether the Control Panel should detect radio frequency interference and make report when interference is detected. Factory default is set to On. When radio jamming is detected, the Control Panel will report the event accordingly. Factory default is turned **Off**.

Step 1. Select **Jamming report** and press **OK** to confirm.

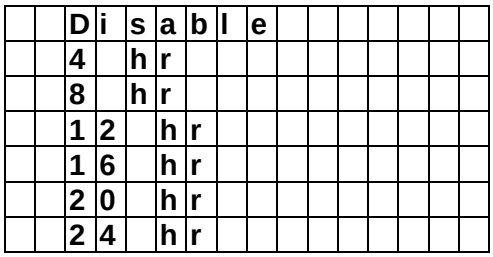


Step 2. Select to turn on/off the Jamming report function and press **OK** to confirm.

- **Auto check-in**

This is for you to set the interval time the Control Panel waits before making a regular check-in report to the programmed reporting destination. Factory Default is set to **12 hours**.

Step 1. Select **Auto check-in** and press **OK** to confirm.



Step 2. The screen will display current Auto check-in setting. To change the setting, select a new option and press **OK** to confirm.

- **Offset Period**

This is to set the time delay before the first

Auto check-in report is made whenever the Control Panel was powered off, then on again, or when Auto check-in interval time is changed.. Factory Default is set to **1** hour.

Step 1. Select **Offset period** and press **OK** to confirm.

		1		h	r									
		2		h	r									
		.	.	.										
		1	1		h	r								
		1	2		h	r								

Step 2. The screen will display current Offset period setting. To change the setting, select a new option and press **OK** to confirm.

- **Follow-on Timer**

After the Control Panel makes a GSM digital report to the Central Monitoring Station, the Central Monitoring Station can choose to enter a “Listen-in” period according to the Follow-On timer duration set here. During this period, the Central Monitoring Station will be able to listen to what is happening around the Control Panel through the microphone on the panel.

Step 1. Select **Follow-on Time** and press **OK** to confirm.

		D	i	s	a	b	l	e						
		1		m	i	n								
		3		m	i	n								
		5		m	i	n								
		N	o		L	i	m	i	t					

Step 2. The screen will display current Follow-on Timer setting. To change the setting, select a new option and press **OK** to confirm.

- **High Temperature Report**

This is for you to set the High Temperature reporting threshold. If the Control Panel has learnt in a Temperature Sensor, it will make High Temperature report and raise alarm when the temperature exceeds the threshold. When the temperature drops below set value again, the Control Panel will stop alarming and send High Temperature Restore report. Factory default is set to **Disable**.

Step 1. Select **High Temp** and press **OK** to confirm.

		D	i	s	a	b	l	e						
		-	1	0		°	C							
		0		°	C									
		.	.	.										
		.	.	.										
		5	0		°	C								

Step 2. The screen will display current High Temperature alarm setting. To change the setting, select a new option and press **OK** to confirm.

- **Low Temperature Report**

This is for you to set the Low Temperature reporting threshold. If the Control Panel has learnt in a Temperature Sensor, it will make Low Temperature report and raise alarm when the temperature drops below the threshold. When the temperature rises above set value again, the Control Panel will stop alarming and send Low Temperature Restore report. Factory default is set to **Disable**.

Step 1. Select **Low Temp** and press **OK** to confirm.

		D	i	s	a	b	l	e						
		-	1	0		°	C							
		0		°	C									
		.	.	.										
		.	.	.										
		5	0		°	C								

Step 2. The screen will display current Low Temperature alarm setting. To change the setting, select a new option and press **OK** to confirm.

- **Bypass Fault**

This is for you to set whether you want to ignore fault events regarding Ethernet or GSM function. Bypassed fault events will not displayed or cause the fault LED will to light up and emit beeps.

Step 1. Select **External Tamper** and press **OK** to confirm.

	D	i	s	a	b	l	e							
	I	P												
	G	S	M											

Step 2. Select either disable/IP/GSM and press **OK** to confirm.

- **Date & Time**

This is for you to set your time zone, date and time.

Step 1. Select **Date & Time** and press **OK** to confirm.

	T	i	m	e		Z	o	n	e					
	D	a	t	e		&		T	i	m	e			

Step 2. The screen will display current time zone and date/time setting. To change the time zone, select **Time Zone** and

press **OK**.

	U	**T**	**C**											
	L	**o**	**s**		**A**	**n**	**g**	**e**	**l**	**e**	**s**			
	D	**e**	**n**	**v**	**e**	**r**								
	C	**h**	**i**	**c**	**a**	**g**	**o**							
	N	**e**	**w**		**Y**	**o**	**r**	**k**						
	M	**o**	**n**	**c**	**t**	**o**	**n**							
	L	**o**	**n**	**d**	**o**	**n**								
	P	**a**	**r**	**i**	**s**									
	I	**s**	**t**	**a**	**n**	**b**	**u**	**l**						
	M	**o**	**s**	**c**	**o**	**w**								
	T	**a**	**i**	**p**	**e**	**i**								
	T	**o**	**k**	**y**	**o**									
	S	**y**	**d**	**n**	**e**	**y**								
	A	**u**	**c**	**k**	**l**	**a**	**n**	**d**						

Step 3. The screen will display current time zone setting, To change the setting, select a new option and press **OK** to confirm.

Step 4. Select **Date & Time** to edit Control Panel date and time.

		D	**a**	**t**	**e**		**&**		**T**	**i**	**m**	**e**		
2	**0**	**1**	**3**	**/**	**0**	**3**	**/**	**2**	**2**	**/**	**0**	**9**	**:**	**1**	**1**

Step 5. The current date and time will be displayed, you will begin by editing year. Press **Up** or **Down** button to change current year, press **OK** to continue to edit month/date/hour/ minute.

2.8. General Setting

The General Setting menu allows you to program Control Panel's alarm related settings

Step 1. Select **Gen. Setting** and press **OK** to confirm.

		F	**i**	**n**	**a**	**l**		**D**	**o**	**o**	**r**				
		A	**r**	**m**		**F**	**a**	**u**	**l**	**t**		**T**	**y**	**p**	**e**
		T	**a**	**m**	**p**	**e**	**r**		**A**	**l**	**a**	**r**	**m**		
		E	**n**	**t**	**r**	**y**		**T**	**i**	**m**	**e**				
		E	**x**	**i**	**t**		**T**	**i**	**m**	**e**					
		A	**l**	**a**	**r**	**m**		**L**	**e**	**n**	**g**	**t**	**h**		
		S	**u**	**p**	**e**	**r**	**v**	**i**	**s**	**i**	**o**	**n**			
		S	**o**	**u**	**n**	**d**		**S**	**e**	**t**	**t**	**i**	**n**	**g**	

- **Final Door**

If set to **On**, when the system is Away Armed with a Door Contact set to **Entry** attribute, the system will automatically arm the system once the Door Contact is closed even if the entry delay timer has not expired yet.

If set to **Off**, When the system is Away Armed with a Door Contact set to **Entry** attribute, the system will only arm the system after the entry delay timer expires. (**Factory Default**)

Step 1. Select **Final Door** and press **OK** to confirm.

		O	**f**	**f**										
		O	**n**											

Step 2. Select to turn On or Off the Final Door option.

- **Arm Fault Type**

Confirm: When set to **Confirm**, If you attempt to arm when a fault exists within the system, the arming action will be prohibited, and a message will be displayed "Fault exists! Please Confirm!" You need to arm the system again to confirm your action and arm the system. **(Factory Default)**

Direct Arm: When set to **Direct Arm**, If you attempt to arm when a fault exists within the system, the system will enter selected arm mode without further notification about fault events.

Step 1. Select **Arm Fault Type** and press **OK** to confirm.

		C	**o**	**n**	**f**	**i**	**r**	**m**						
		D	**i**	**r**	**e**	**c**	**t**		**A**	**r**	**m**			

Step 2. Select either Confirm or Direct Arm, and press **OK** to confirm.

- **Tamper Alarm**

Away Arm: Tamper alarm will only be activated when tamper switch is triggered under Away Arm mode (Tamper event will still be reported normally in Home/Disarm mode). **(Factory Default)**
Always: Tamper alarm will be activated whenever tamper switch is triggered.

Step 1. Select **Tamper Alarm** and press **OK** to confirm.

		A	**w**	**a**	**y**		**A**	**r**	**m**					
		A	**l**	**w**	**a**	**y**	**s**							

Step 2. Select either Away Arm or Always, and press **OK** to confirm.

- **Entry Time**

If a device set to Entry attribute is triggered when the system is armed, the Control Panel will begin an Entry Delay countdown timer according to your Entry Time setting. The system must be disarmed before the timer expires or an alarm will be activated. The Entry Timer for Away Arm/Home Arm 1/Home Arm 2/ Home Arm 3 can be programmed separately.

(Factory Default is **10 seconds**)

Step 1. Select **Entry Time** and press **OK** to

confirm.

		A	w	a	y		A	r	m					
		H	o	m	e		A	r	m		1			
		H	o	m	e		A	r	m		2			
		H	o	m	e		A	r	m		3			

Step 2. Select an arm mode to edit its Entry Time, press **OK** to confirm.

	D	i	s	a	b	l	e							
	1	0		s	e	c								
	.	.	.											
	.	.	.											
	7	0		s	e	c								

Step 3. The screen will display current setting. To change the setting, select a new option and press OK to confirm..

- **Exit Time**

When you arm the system, the Control Panel will begin an Exit Delay countdown timer according to your Exit Time setting, and enter selected arm mode after the timer expires.

(Factory Default is **10 seconds**)

Step 1. Select **Exit Time** and press **OK** to confirm.

		A	w	a	y		A	r	m					
		H	o	m	e		A	r	m		1			
		H	o	m	e		A	r	m		2			
		H	o	m	e		A	r	m		3			

Step 2. Select an arm mode to edit its Exit Time, press **OK** to confirm.

	D	i	s	a	b	l	e							
	1	0		s	e	c								
	.	.	.											
	.	.	.											
	7	0		s	e	c								

Step 3. The screen will display current setting. To change the setting, select a new option and press OK to confirm..

- **Alarm Length**

When an alarm is activated, both the Control Panel siren and external siren will raise alarm according to the Alarm Length setting. (Factory Default is **3 minutes**.)

Step 1. Select **Alarm Length** and press **OK** to confirm.

	D	i	s	a	b	l	e							
	1		m	i	n									
	.	.	.											
	.	.	.											
	1	5		m	i	n								

Step 2. The screen will display current setting. To change the setting, select a new option and press OK to confirm.

- **Supervision**

Set the supervision timer for accessory devices, if no supervision signal is received within set duration for a certain device, the Control Panel will report the situation accordingly. (Factory Default is **12 hour**)

Step 1. Select **Supervision** and press **OK** to confirm.

	D	i	s	a	b	l	e							
	4		h	r										
	6		h	r										
	.	.	.											
	.	.	.											
	1		d	a	y									

Step 2. Select your desired Supervision time, press **OK** to confirm.

- **Sound Setting**

This function allows you to program various sound

Step 1. Select **Sound Setting** and press **OK** to confirm.

		D	o	o	r		C	h	i	m	e			
		E	n	t	r	y		A	r	m				
		E	n	t	r	y		H	o	m	e			
		E	x	i	t		A	r	m					
		E	x	i	t		H	o	m	e				
		W	a	r	n	i	n	g		B	e	e	p	

Step 2. Select the function you want to edit and press **OK** to confirm. Available options include:

	O	f	f											
	L	o	w											
	M	e	d	i	u	m								
	H	i	g	h										

☞ **Door Chime:** If not turned off, the Control Panel will sound a door chime sound when a Door Contact set to Entry attribute is activated in Disarm mode.

☞ **Entry Arm:** If not turned off, the Control Panel will sound beeping sounds when a Door Contact set to Entry attribute is activated in Away Arm mode.

☞ **Entry Home:** If not turned off, the Control Panel will sound beeping sounds when a Door Contact set to Entry attribute is activated in Home Arm mode.

☞ **Exit Arm:** If not turned off, the Control Panel will sound beeping sounds when during Exit Delay Timer for Away Arm mode.

☞ **Exit Home:** If not turned off, the Control Panel will sound beeping sounds when during Exit Delay Timer for Away Arm mode.

☞ **Warning Beep:** If not turned off, the Control Panel will sound beeping sounds every 30 seconds when fault exists within system.

2.9. Device +/-

Devices +/- menu allows you to add/change/delete all available devices. A total of **40** devices can be included in the Control Panel.

Step 1. Select **Device +/-** and press **OK** to confirm.

	A	**d**	**d**		**D**	**e**	**v**	**i**	**c**	**e**				
	E	**d**	**i**	**t**		**D**	**e**	**v**	**i**	**c**	**e**			
	R	**e**	**m**	**o**	**v**	**e**		**D**	**e**	**v**	**i**	**c**	**e**	
	P	**r**	**o**	**g**	**r**	**a**	**m**		**S**	**i**	**r**	**e**	**n**	

- **Add Device**

Use this function in include new device into the Control Panel.

Step 1. Select **Add device +/-** and press **OK** to confirm.

*****	**P**	**u**	**s**	**h**		**B**	**u**	**t**	**t**	**o**	**n**		**O**	**n**	*****
	D	**e**	**v**	**i**	**c**	**e**		**t**	**o**		**A**	**d**	**d**		

Step 2. Press the learn button on the device you want to learn in to transmit a learn code, please refer to the device manual for detail.

Step 3. If the learning code is received successfully by the Control Panel, the device information will be displayed on the LCD screen. Press **OK** to add the device into Control Panel.

	D	**e**	**t**	**e**	**c**	**t**	**e**	**d**		**(**	**O**	**k**	**?**	**)**	
	D	**o**	**o**	**r**		**C**	**o**	**n**	**t**	**a**	**c**	**t**			

Step 4. Repeat Step 1~3 to learn in other devices.

- **Edit Device**

Use this function edit the devices learnt into the Control Panel in **Add Device**.

Step 1. Select **Edit device +/-** and press **OK** to confirm.

Step 2. Devices that have already been learnt in will be displayed along with their zone number (Z01, Z02…etc).

	D	**C**		**Z**	**0**	**1**								
	I	**R**		**Z**	**0**	**2**								

<NOTE>

☞ The available of devices are listed as followings:

- ✓ Door Contact --- DC
- ✓ PIR Sensor --- IR
- ✓ Pet Immune PIR Sensor--IRP
- ✓ External PIR - -EIR
- ✓ Remote Controller --- RC
- ✓ Carbon Monoxide --- CO
- ✓ Smoke Detector --- SD
- ✓ Water Sensor --- WS
- ✓ Panic Button --- PB
- ✓ Night Switch --- NS
- ✓ Remote Keypad --- KP
- ✓ Indoor Siren --- SR
- ✓ Outdoor Bellbox --- BX
- ✓ Power Switch --- PSS
- ✓ Power Swich Meter --- PSM
- ✓ PIR Camera --- SV

Step 3. Step the device you want to edit, press **OK** to confirm.

	B	**u**	**r**	**g**	**l**	**a**	**r**						
	H	**o**	**m**	**e**		**O**	**m**	**i**	**t**				
	H	**o**	**m**	**e**	**1**	**/**	**2**		**O**	**m**	**i**	**t**	
	H	**o**	**m**	**e**	**1**	**/**	**3**		**O**	**m**	**i**	**t**	
	H	**o**	**m**	**e**		**A**	**c**	**c**	**e**	**s**	**s**		
	D	**e**	**l**	**a**	**y**		**Z**	**o**	**n**	**e**			
	A	**w**	**a**	**y**		**O**	**n**	**l**	**y**				
	E	**n**	**t**	**r**	**y**								
	A	**w**	**a**	**y**		**E**	**n**	**t**	**r**	**y**			
	2	**4**		**H**	**R**								
	F	**i**	**r**	**e**									
	M	**e**	**d**	**i**	**c**	**a**	**l**	**/**	**E**	**m**	**g**	**.**	
	W	**a**	**t**	**e**	**r**								
	S	**e**	**t**	**/**	**U**	**n**	**s**	**e**	**t**				
	S	**i**	**l**	**e**	**n**	**t**		**P**	**a**	**n**	**i**	**c**	
	P	**e**	**r**	**s**	**o**	**n**	**a**	**l**		**A**	**t**	**t**	**.**

Step 4. You will enter attribute setting page for the device. The device attribute determines this device's behavior, please refer to attribute list below to

select an attribute, Factory Default is set to **Entry** for Door Contact and PIR Sensor

☞ ***Burglar***

- When the system is in any Arm mode, if a "**Burglar**" device is triggered, a "**Burglar Alarm**" will be activated immediately and reported.

☞ ***Home Omit***

- When the system is in Home Arm 1/2/3 mode, if a "**Home Omit**" device is triggered, the Control Panel will not raise alarm. It will still send a report for this event
- When the system is in Full Arm mode, if a "**Home Omit**" device is triggered, the Control Panel will respond in the same way as if a "**Burglar**" device is triggered.

☞ ***Home 1/2 Omit***

- When the system is in Home Arm 1/2 mode, if a "**Home 1/2 Omit**" device is triggered, the Control Panel will not respond. It will still send a report for this event
- When the system is in Away Arm or Home Arm 3 mode, if a "**Home 1/2 Omit**" device is triggered, the Control Panel will respond in the same way as if a "**Burglar**" device is triggered.

☞ ***Home 1/3 Omit***

- When the system is in Home Arm 1/3 mode, if a "**Home 1/3 Omit**" device is triggered, the Control Panel will not respond. It will still send a report for this event
- When the system is in Away Arm or Home Arm 2 mode, if a "**Home 1/2 Omit**" device is triggered, the Control Panel will respond in the same way as if a "**Burglar**" device is triggered.

☞ ***Home Access***

- When the system is in Home mode, if a "**Home Access**" device is triggered, the Control Panel will start an Entry Delay period to give enough time to disarm the system. It will also send a report for this event
- When the system is in Full Arm mode, if a "**Home Access**" device is triggered, the Control Panel will start a Burglar Alarm and a burglar message will be reported.

☞ ***Delay Zone***

- When the system is in any Arm mode, if a "**Delay Zone**" device is triggered, a "**Burglar Alarm**" will be activated immediately and reported.
- When the system is in any Armed mode, and the Control Panel is counting down the Entry Delay, if a "**Burglar**" device is triggered, the Control Panel will not respond.
- During the Exit Delay period, if a "**Burglar**" device is triggered, the Control Panel will not respond .

☞ ***Away Only***

- When the system is in Away Arm mode, if an "**Away Only**" device is triggered, a "**Burglar Alarm**" will be activated immediately and reported.
- When the system is in any Home Arm mode, if an "**Away Only**" device is triggered, the Control Panel will not respond.
- During the Entry Delay or Exit Delay period, if an "**Away Only**" device is triggered, the Control Panel will not respond .

☞ ***Entry***

- When the system is in any Arm mode, if an "**Entry**" device is triggered, the Control Panel will start an Entry Delay countdown timer for the user to disarm the system.
- After the delay period has

expired and no correct PIN code has been entered, the Control Panel will activate its built-in siren immediately to remind the user the delay period has expired.

- If the Control Panel is not disarmed within 30 seconds after the delay period expires, a **Burglar Alarm** will be reported and the external sirens included in the Control Panel will also be activated. Disarming the Control Panel within the 30 second period will return the system to Disarm mode and silence the built-in siren. No alarm event will be reported.
- When the system is in Disarm mode, if a "**Entry**" is triggered, the Control Panel will make a "**ding-dong**" Door Chime sound (if Door Chime function is not disabled).

☞ ***Away Entry***

- When the system is in Away Arm, if an "**Away Entry**" device is triggered, the Control Panel will start an Entry Delay countdown timer for the user to disarm the system.
- After the delay period has expired and no correct PIN code has been entered, the Control Panel will activate its built-in siren immediately to remind the user the delay period has expired.
- If the Control Panel is not disarmed within 30 seconds after the delay period expires, a **Burglar Alarm** will be reported and the external sirens included in the Control Panel will also be activated. Disarming the Control Panel within the 30 second period will return the system to Disarm mode and silence the built-in siren. No alarm event will be reported.
- When the system is in Disarm mode, if a "**Entry**" is triggered, the Control Panel will make a "**ding-dong**" Door Chime sound (if Door Chime function is not disabled).
- When the system is in any Home Arm mode, if an "**Away Entry**" device is triggered, the Control Panel will not respond.
- During the Entry Delay or Exit Delay period, if an **Away Entry** device is triggered, the Control Panel will not respond

☞ ***24 Hour***

- The **24 Hour** device is active all the time and does not have to be armed or disarmed. An Event Code of **#130** will be reported with trigger.

☞ ***Fire***

- The **Fire** device is active all the time and does not have to be armed or disarmed. An Event Code of **#111** will be reported with trigger.

☞ ***Medical Emergency***

- A **Medical Emergency** device is active all the time and does not have to be armed or disarmed. An Event Code of **#101** will be reported with trigger.

☞ ***Water***

- The **Water** device is active all the time and does not have to be armed or disarmed. An Event Code of **#154** will be reported with trigger.

☞ ***Set/Unset (For Door Contact Only)***

- If the Door Contact is set to Set/Unset, the system will be disarmed when the Door Contract is triggered, and armed when Door Contact is closed.

☞ ***Silent Panic***

- If the device attribute is set as **Silent Panic**, when the device is activated, the Control Panel will report a **Slient Panic** alarm without sounding an audible

siren. An event code of **122** will be reported.

☞ ***Personal Attack***

- If the device attribute is set as **Personal Attack**, when the device is activated, the Control Panel will activate an alarm and report an event code of **120** will be reported.

Step 5. Select if you want to permanently bypass the device. Permanently Bypass will deactivated selected device until you unselect the function. The Control Panel will ignore all signal sent from Permanently Bypassed device, include Low Battery and Tamper signal. Press **OK** to confirm. Factory Default is **Normal**.

	N	o	r	m	a	l								
	P	e	r	m	a	n	.		B	y	p	a	s	s

Step 6. Select to on or off latch report. When turned on, the Control Panel will send a report if the device is triggered. Press OK to confirm.

	L	a	t	c	h		R	p	t		O	f	f	
	L	a	t	c	h		R	p	t		O	n		

Step 7. Enter a name for the device, press **OK** to confirm.

			E	d	i	t		n	a	m	e			

- **Remove Device**

Use this function remove a leant in device.

Step 1. Select **Remove Device +/-** and press **OK** to confirm.

Step 2. The screen will display learnt in device list. Select the device you want to remove, press **OK** to confirm.

- **Program Siren**

The program siren functions allows you to learn in siren/bellbox and program their behaviour.

	L	e	a	r	n		S	i	r	e	n			
	S	i	r	e	n		T	a	m	p	.	O	n	
	S	i	r	e	n		T	a	m	p	.	O	f	f
	C	o	n	f	i	r	m		O	n				
	C	o	n	f	i	r	m		O	f	f			
	E	n	t	r	y		S	n	d	.	O	n		
	E	n	t	r	y			S	n	d	.	O	f	f

☞ **Learn Siren:** In order to learn a Siren into the Control Panel, the Control Panel must first learn in a device of any kind.

Step 1. Put the siren into learning mode, please refer to the Siren manual for detail.

Step 2. Select **Learn Siren**, press OK to confirm.

Step 3. The Control Panel will transmit learning code to the siren. If the siren receives the learn code, it will react accordingly, please refer to your siren manual for detail.

<NOTE>

☞ For SR-15 or BX-15, please learn in the siren according to the instruction in **Add Device**.

- **Siren Tamper On/Off**

Siren Tamp.On: When selected, the Siren's tamper protection will be enabled.

Siren Tamp.Off: When selected, the Siren's tamper protection will be disabled.

- **Confirm On/Off**

Confirm On: When selected, the Siren will emit beeping sound when the system is armed or disarmed.

Confirm Off: When selected, the Siren will not emit beeping sound when the system is armed or disarmed.

- **Entry Sound On/Off**

Entry Snd.On: When selected, the Siren will emit beeping sound during Entry Delay countdown timer

Entry Snd.On Off: When selected, the Siren will not emit beeping sound during Entry Delay Countdown Timer

2.10. Network Setting

Program your network and email SMTP setting under this menu.

Step 1. Select **Network Setting**, press OK to confirm

	C	u	r	r	e	n	t		I	P				
	D	H	C	P										
	I	P		A	d	d	r	e	s	s				
	S	u	b	n	e	t		M	a	s	k			
	G	a	t	e	w	a	y							
	D	N	S											
	S	N	T	P										

	I	n	t	e	r	v	a	l						
	S	M	T	P										
	F	r	o	m										

- **Current IP**

The Control Panel's current local area network IP will be displayed

- **DHCP**

On: If DHCP is set to On, the Network will obtain the IP address automatically with a valid Network DHCP Server. You do not need to do any settings. You can only set DHCP to **On** if your Network environment supports DHCP. It will automatically generate all network information.

Off: If DHCP is set to Off, you neet to enter the Network information manually for **IP Address, Subnet mask, Gateway, and DNS**. Please make sure that you have obtained all required values for your Network environment. Contact local service provider if necessary

- **IP Address/Subnet Mask/Gateway/DNS**

You only need to configure these settings if DHCP is set to Off.

Step 1. To edit the setting, select the option to edit and press **OK** to confirm..

Step 2. Enter a new setting, press **OK** to confirm.

- **SNTP**

The SNTP setting is for you to enter an internet time server IP to synchronize and update Control Panel time automatically according to set interval time. Factory Default is: **pool.ntp.org.**

Step 1. To edit the setting, select t **SNTP** and press **OK** to confirm..

Step 2. Enter a new IP Address if desired, press **OK** to confirm.

			I	P		A	d	d	r	e	s	s		
p	o	o	l	.	n	t	p	.	o	r	g			

- **Interval**

Set the interval time for SNTP setting to update Control Panel time

Step 1. To edit the setting, select t **Interval** and press **OK** to confirm.

Step 2. Select your desired interval time, press **OK** to confirm..

	4		h	o	u	r								
	8		h	o	u	r								
	1	2		h	o	u	r							

	1	6		h	o	u	r							
	2	0		h	o	u	r							
	2	4		h	o	u	r							

- **SMTP**

The SMTP setting is for you to program the mail server related settings. The email account you set here would be used to email the triggered images/videos from PIR Camera/Video Camera. For email destination, please refer to **Media Upload** section.

Step 1. To edit the email information, select **SMTP** and press **OK** to confirm.

Step 2. Enter your SMTP setting, press **OK** to confirm.

			S	M	T	P								

The format of SMTP setting is:
smtp://user:password@mail server

User: email account user name. For example, if your email account is john@yahoo.com, enter **john**.

Password: email account password.

Mail Server: Email server domain name.

The default port used by SMTP is Port **25**. If you want to specify other ports, enter the port number according to format below:

smtp://user:password@mail server:port

<NOTE>

- ☞ The control panel does not support encryption method such as SSL/TLS.
- ☞ SMTP setting must be entered in all lowercase letters

- **From**

This is for you to set the email account used to send captured picture/video. This setting should be entered along with SMTP setting.

Step 1. To edit the email information, select **From** and press **OK** to confirm.

Step 2. Enter the email account according to SMTP setting. Ex: john@yahoo.com., press **OK** to confirm.

		E	m	a	i	l		a	c	c	o	u	n	t

<NOTE>

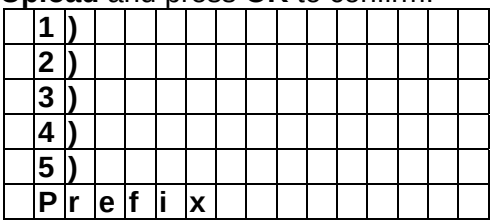
- ☞ The format of From setting is: name@example.com

☞ From setting must be entered in all lowercase letters

2.11. Media Upload

The Media Upload menu allows you to set the destination for the Control Panel to deliver captured picture/video from PIR Camera or PIR Video Camera.

Step 1. To edit the setting, select **Media Upload** and press **OK** to confirm.

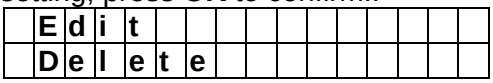


- **1~5**

There are 5 upload destinations available for you to program.

Step 1. Select one of the upload destination from 1~5, press ok to confirm.

Step 2. Select to either edit or delete the setting, press **OK** to confirm..



Step 3. If you choose to edit the setting, enter an email address, FTP address, or mobile number for MMS delivery.

☞ **Email:** In order to sent the picture/video by email, the **SMTP** and **From** setting must be completed first. The email upload format is: mailto: user@example.com

☞ **MMS:** In order to sent the picture/video to a mobile number the MMS setting must be completed first. The MMS upload format is: mms: mobile number

☞ **FTP:** The FTP upload format is: ftp://user:password@IP address:port/ folder

If you choose to delete the setting, the current upload setting will be removed

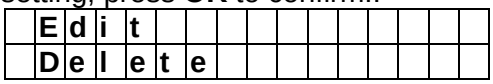
Step 4. If you choose to edit the setting, enter an email address, FTP address, or mobile number for MMS delivery.

- **Prefix**

The prefix is the title given to every captured picture or video for you to identify the file.

Step 1. Select **Prefix**, press **OK** to confirm.

Step 2. Select to either edit or delete the setting, press **OK** to confirm..



Step 3. If you choose to edit the setting, enter a new title and press OK to confirm.

If you choose to delete the setting, the current Prefix will be removed

3. Programming Menu

The programming menu is designed for user to mange User PIN codes and other setting. to enter the Programming Menu:

Step 1. Under Disarm mode, press any key on the numeric keypad, you will be prompted to enter User Menu.

			E	n	t	e	r		C	o	d	e			
						*	.	.	.						

Step 2. Enter a User PIN code (default is **1234**) then press **OK** to confirm. You will enter User Menu

	F	a	u	l	t		D	i	s	p	l	a	y		
	L	o	g												
	A	l	a	r	m		M	e	m	o	r	y			
	A	w	a	y		A	r	m							
	H	o	m	e		A	r	m		1					
	H	o	m	e		A	r	m		2					
	H	o	m	e		A	r	m		3					
	P	-	M	e	n	u									
	I	-	M	e	n	u									

Step 3. Select P-Menu and press **OK** to confirm. You will be prompt to enter Installer Code.

		E	n	t	e	r		M	-	C	o	d	e		
						.	.	.	.						

Step 4. Enter the Master code (default is **1111** and press **OK** to confirm. You will enter the Installer Menu.

	W	a	l	k		T	e	s	t						
	P	i	n		C	o	d	e							
	M	a	s	t	e	r		C	o	d	e				
	T	e	m	p		C	o	d	e						
	D	u	r	e	s	s		C	o	d	e				
	G	e	n	.	S	e	t	t	i	n	g				
	D	e	v	i	c	e		+	/	-					

3.1. Walk Test

The Walk Test function under Programming Menu functions the same as the Walk Test function in Installer Menu. Please refer to **2.1. Walk Test** for detail.

3.2. PIN Code Setting

The User Codes are used for users to acess the alarm system. A total of 10 4-digit User Codes can be stored in the Control Panel. Each individual User can be given a name for easy recognition User PIN Code #1 is set to **1234** by Factory Default.

Step 1. Select **Pin Code**, press **OK** to confirm.

Step 2. You will enter the PIN code menu. Select the PIN code you want to edit, then press **OK** to confirm.

	1	)	*	*	*	*									
	2	)	.	.	.	.									
	.	.	.												
	.	.	.												
	.	.	.												
	9	)	.	.	.	.									
	1	0	)	.	.	.	.								

Step 3. For an existing PIN code, you will be asked whether you want to delete the PIN code (except for PIN code 1 which cannot be deleted), press **OK** to confirm if you want to delete the PIN code

For an empty PIN code, you will be prompted to enter a new code.

	E	n	t	e	r		n	e	w		c	o	d	e	
						.	.	.	.						

Step 4. Select a new PIN code and press **OK**, you will be asked to repeat the code again.

R	e	p	e	a	t		n	e	w		c	o	d	e	
						.	.	.	.						

Step 5. Select to turn on/off Latch option. When set to On, the system will report all arm/disarm action by this user. Press **OK** to confirm.

			U	s	e	r		N	a	m	e				

Step 6. Enter a User Name for this PIN Code, you can also leave this field blank. Press **OK** to confirm. The PIN code setting is now complete.

3.3. Master Code

The Master Code is used to access the Programming Menu. Factory Default is set to **1111**. To change the Master Code.

Step 1. Select **Master Code** and press **OK** to confirm. You will be prompt to enter a new Master Code.

	E	n	t	e	r		n	e	w		c	o	d	e	
						.	.	.	.						

Step 2. Enter the new code and press **OK**, you will be asked to repeat the code again.

R	e	p	e	a	t		n	e	w		c	o	d	e	
						.	.	.	.						

Step 3. Repeat the new code and press **OK** to confirm. Master Code setting is now complete.

3.4. Temporary Code

The Temporary Code is used to access the system for a temporary user and is valid only once per arming and once per disarming. Afterwards, the Temporary Code is automatically erased and needs to be reset for a new Temporary user. To set the Temporary Code.

Step 1. Select **Temp Code** and press **OK** to confirm. You will be prompt to enter a new Temporary Code.

	E	n	t	e	r		n	e	w		c	o	d	e	
						.	.	.	.						

Step 2. Enter the new code and press **OK**, you will be asked to repeat the code again.

R	e	p	e	a	t		n	e	w		c	O	d	e	
						.	.	.	.						

Step 3. Repeat the new code and press **OK** to confirm. Temporary Code setting is now complete.

3.5. Duress Code

The Duress Code has the same function as the User PIN code. It is used to access the system in duress situation. When this code is used for accessing the system, the Control Panel will report a secret alarm message without sounding the siren to the Central Monitoring Station to indicate of a "**Duress Situation in Progress**". To set the Duress Code:

Step 1. Select **Duress Code** and press **OK** to confirm. You will be prompt to enter a new Duress Code.

	E	n	t	e	r		n	e	w		c	o	d	e	
						.	.	.	.						

Step 2. Enter the new code and press **OK**, you will be asked to repeat the code again.

R	e	p	e	a	t		n	e	w		c	O	d	e	
						.	.	.	.						

Step 3. Repeat the new code and press **OK** to confirm. Duress Code setting is now complete.

3.6. General Setting

The General Setting function under Programming Menu functions the same as the General Setting function in Installer Menu. Please refer to **2.6. General Setting** for detail.

3.7. Device +/-

The Device +/- function under Programming Menu functions the same as the Device +/- function in Installer Menu. Please refer to **2.7. Device +/-** for detail.

4. Operation

4.1. LCD Display

The Control Panel's LCD will display the system information according to different status and panel modes.

- **Disarm mode**

When the system is in Disarm mode, and no fault exists in system, the LCD will display "Ready to Arm".

		R	e	a	d	y		t	o		A	r	m		
		0	0	:	0	1		J	a	n		0	1		

When fault events exists in system, The LCD will display the fault event on screen, followed by "(**XX**)". The **XX** represents the number of fault event in system.

When Control Panel or accessory tamper open status is detected, the LCD will display "Tamper Zone"

T	a	m	p	e	r		Z	o	n	e	(	X	X	)	
		0	0	:	0	1		J	a	n		0	1		

When Door Contact in the system is opened (not aligned with magnet), the LCD will display "Open Zone"

		O	p	e	n		Z	o	n	e	(	X	X	)	
		0	0	:	0	1		J	a	n		0	1		

When other fault exists in system, the LCD will display "Fault"

			F	a	u	l	t	(	X	X	)				
		0	0	:	0	1		J	a	n		0	1		

- **Away Arm / Home Arm mode**

When the system is in Away Arm or Home Arm mode, and no fault event exists in system, the LCD will display current mode.

				A	w	a	y		A	r	m				
		0	0	:	0	1		J	a	n		0	1		

When the system is in Away Arm or Home Arm mode, and fault event exists in system, the LCD will display (**XX**) after current mode. The **XX** represents the number of fault event in system.

		A	w	a	y		A	r	m	(	X	X	)	
		0	0	:	0	1		J	a	n		0	1		

- **View Fault Events**

When fault event exists in system, press **Down** key to view fault events.

Step 1. The screen will display:

					S	T	A	R	T					
							▼							

Step 2. Press **Down** key to scroll through the fault events. When all fault events are displayed, the screen will show:

							▲							
						E	N	D						

Step 3. Press ↩ key to exit fault display.

4.2. Entering User Menu

When the system is in Disarm mode, enter a valid user code to access the User Menu,

When the first numberic key is pressed, the display will show:

			E	n	t	e	r		C	o	d	e		
						✱	.	.	.	.				

Enter the 4-digit user PIN code followed by **OK**, within 30 sec.

The options are available for user menu:

o	F	a	u	l	t		D	i	s	p	l	a	y	
	L	o	g											
	A	l	a	r	m		M	e	m	o	r	y		
	B	y	p	a	s	s								
	A	p	p	l	y		S	c	e	n	e			
	A	w	a	y		A	r	m						
	H	o	m	e		A	r	m		1				
	H	o	m	e		A	r	m		2				
	H	o	m	e		A	r	m		3				
	P	-	M	e	n	u								
	I	-	M	e	n	u								

<NOTE>

☞ If you wish to arm the system when fault event exists, please refer to section **Forced Arming** below.

4.3. Away Arm Mode

The Away Arm Mode will arm all divice in the Control Panel to react accordingly upon alarm trigger

- **Entering Away Arm mode**

Step 1:

☞ Select **Away Arm** under User Menu and press **OK**.

☞ When under Disarm mode, enter a User PIN code and press the **Away**

Arm key on the Control Panel.

- ☞ When under Disarm mode, enter a User PIN code and press the **Away Arm** key on the Remote Keypad. (Please refer to Remote Keypad manual for detail)
- ☞ Press the **Away Arm** key on the Remote Controller.
- ☞ When under Disarm mode, press the **Away Arm** key on the Control Panel for quick arm.
- ☞ Use the Control Panel webpage to Away Arm the Control Panel.
- ☞ Send an SMS command (Please refer to **5. Vesta EZ Home Application**).

Step 2. The Control Panel will begin Exit Delay Timer countdown according to the setting. The screen will display:

		T	**i**	**m**	**e**		**t**	**o**		**e**	**x**	**i**	**t**		
				X	**X**	**X**		**s**	**e**	**c**					

Step 3. When the timer expires, the Control Panel will enter Away Arm mode and emit a long beep to indicate.

<IMPORTANT NOTE>

- ☞ If **Final Door** is set to **ON**, when the Door Contact set to Entry Attribute is closed. The Control Panel will enter Away Arm mode even if the Exit Delay Timer has not expired yet.

- ● **Stopping the Exit Delay Timer**

The Exit Delay Timer can be stopped by disarming the system and the Control Panel will return to Disarm mode. Please refer to **4.5. Disarm Mode** section below

4.4. Home Arm 1/2/3 Mode

The Home Arm Mode allows the home to be Partial Armed, Thus, part of the System is protected with the Alarm, yet, the other areas allows the user to move freely without self triggering the alarm.

The Control Panel has 3 Home Arm Mode from 1 to 3. According to different settings, devices with their attribute set to **Home Omit** or **Away Only** will not be triggered under any Home Arm mode. Device set to **Home 1/2 Omit** will not be triggered under Home Arm 1/2 mode. Device set to **Home 1/3 Omit** will not be triggered under Home Arm 1/3 mode.

- ● **Entering Home Arm mode**

Step 1:

- ☞ Select **Home Arm 1~3** under User Menu and press **OK**.
- ☞ When under Disarm mode, enter a User PIN code and press the **Home Arm** key on the Control Panel. (Home Arm 1 only)
- ☞ When under Disarm mode, enter a User PIN code and press the **Home Arm** key on the Remote Keypad. (Home Arm 1 only, please refer to Remote Keypad manual for detail)
- ☞ Press the **Home Arm** key on the Remote Controller(Home Arm 1 only).
- ☞ When under Disarm mode, press the **Home Arm** key on the Control Panel for quick arm (Home Arm 1 only).
- ☞ Use the Control Panel webpage to Home Arm the Control Panel.
- ☞ Send an SMS command (Please refer to **5. Vesta EZ Home Application**).

Step 2. The Control Panel will begin Exit Delay Timer countdown according to the setting. The screen will display:

		T	**i**	**m**	**e**		**t**	**o**		**e**	**x**	**i**	**t**		
				X	**X**	**X**		**s**	**e**	**c**					

Step 3. When the timer expires, the Control Panel will enter selected Home Arm mode and emit 3 short beeps to indicate.

- ● **Stopping the Exit Delay Timer**

The Exit Delay Timer can be stopped by disarming the system and the Control Panel will return to Disarm mode. Please refer to **4.5. Disarm Mode** section below

4.5. Force Arm

When you arm the system, if any fault event exists in the system, the arming action will be prohibited and the fault event will be displayed on screen.

At this moment, you can either rectify all of the problems and clear the Fault Display. The Control Panel will be able to be armed normally.

If you want to arm the system without

correcting the fault situation, follow the steps below to Forced Arm the Control Panel.

Step 1: When fault events are displayed, repeat the same arming action again

Step 2: The Control Panel will begin Exit Delay Timer countdown according to the setting. The screen will display:

		T	i	m	e		t	o		e	x	i	t	
				X	X	X		s	e	c				

Step 3. When the timer expires, the Control Panel will enter selected arm mode accordingly

4.6. Disarm

When the system is under Away Arm or Home Arm mode, to disarm the system:

Step 1:

- ☞ Enter a User PIN code on the Control Panel keypad and press **Disarm** key or **OK** key.
- ☞ Enter a User PIN code on the Remote Keypad and press **Disarm** key.
- ☞ Press the **Disarm** key on the Remote Controller.
- ☞ Use the Control Panel webpage to disarm the Control Panel.
- ☞ Send an SMS command (Please refer to 5**. Vesta EZ Home Application**).

Step 2: The Control Panel will return to Disarm mode.

4.7. Bypass

The Bypass function allows you to deactivate a device temporarily for one arming/disarming period. When a bypassed sensor (IR/DC/PIR Camera) is triggered, the panel will ignore the signal from the sensor and will not raise alarm.

To Bypass a sensor:

Step 1. Select **Bypass**, press OK to confirm. The screen will display your device list:

		D	C		Z	0	1							
		I	R		Z	0	2							

Step 2. Select the sensor you want to bypass and press **OK**. The sensor will be marked with a **+** to indicate it is bypassed. You can also remove the bypass condition by selecting the sensor and press **OK** again.

	+	D	C		Z	0	1							
		I	R		Z	0	2							

The bypassed condition of a sensor will be remove automatically after the panel is armed, then disarmed. For Door Contact, the condition will also be removed when the Door Contact is closed.

4.8. Apply Scene

You can activate programmed Scene number under the User Menu. Before applying a scene, the scene must be programmed first through the Control Panel webpage. Please refer to the IP Installation Guide for detail.

To apply a scene:

Step 1. Select **Apply Scene**, press OK to confirm. The screen will display scene numbers from 1~10:

	1													
	2													
	1	0												

Step 2. Select the scene you want to activate and press **OK** to confirm.

4.9. Dual Key Alarm

You can activate an alarm manually by pressing buttons on the Control Panel keypad anytime regardless of system mode.

- **Panic Alarm**

Press and hold **1** and **3** keys together for 3 seconds to trigger a panic alarm.

- **Fire Alarm**

Press and hold **4** and **6** keys together for 3 seconds to trigger a fire alarm.

- **Medical Emergency Alarm**

Press and hold **7** and **9** keys together for 3 seconds to trigger a medical emergency alarm.

Step 1. Press and hold both keys together to trigger alarm, the screen will prompt you to enter PIN code when you first press the keys.

			E	n	t	e	r		C	o	d	e		
						*	.	.	.	.				

Step 2. Ignore the screen prompt and continue to hold both keys for 3 seconds. Then the alarm will be activated

4.10. Keypad Lockdown

The Control Panel features Keypad Lockdown function to prevent continuous User PIN Code retries: If the wrong User PIN Codes are entered for 5 times within 10 minutes, the keypad will be locked down for 15 minutes. All key presses from Control Panel keypad or Remote Keypads are prohibited during the 15 minute period.

4.11. Tamper Protection

The Control Panel is tamper protected from unauthorized removal from mounted surface. When the tamper is triggered:

- **If the system is in Arm mode:**

  The Control Panel will always activate a Tamper Alarm upon tamper switch trigger and report the alarm event.

- **If the system is in Home/Disarm mode:**

  When Tamper Alarm is set to **Away Only**, no alarm will be activated when a tamper switch is triggered under Home/Disarm mode. A report for tamper trigger will still be reported.

  When Tamper Alarm is set to **Always**, the Tamper Alarm will also be activated when a tamper switch is triggered under Home/Disarm mode.

  For Tamper Alarm setting please refer to **2.6. General Setting**.

- **Avoiding accidental Tamper alarm when changing device battery/mounting location:**

Step 1: Use the Bypass function to temporarily deactivate the device to avoid tamper trigger.

Step 2: For Indoor Siren or Outdoor Bell Box, you also need to disabled the Siren Tamper temporarily.

Step 3: After finish changing battery or mounting location, remove the Bypass setting and enable Siren Tamper again

4.12. Stop the Alarm and Alarm Display

During an alarm, the Control Panel wil sound the siren, and report to programmed telephone number. The screen will display “ALARM! ALARM!” to notify the user.

- **Stopping the Alarm**

Step 1: To Stop the alarm, disarm the Control Panel, please refer to **4.6. Disarm** for detail.

Step 2: The alarm will be stopped, the device that triggered the alarm will be displayed on screen. Use the Down button to scroll down the alarm event, the screen will display whether the system reported successfully to programmed destination or not.

Step 3: When you finished viewing the alarm event, the Control Panel will enter Disarm mode.

<IMPORTANT NOTE>

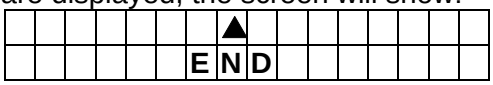
☞ The Remote Controller cannot be used to stop the panic alarm triggered by itself.

- **Alarm Memory**

You can use the Alarm Memory option to check previous alarm history.

Step 1: Under the User Manual, select **Alarm Memory** and press **OK** to confirm. If alarm memory exists in the Control Panel, the screen will display:

Step 2. Press **Down** key to scroll through the alarm events. When all alarm event are displayed, the screen will show:



Step 3. You can press **Up** key to scroll back through the fault events or press **OK** key to exit Alarm Memory.

4.13. Voice Report and Call Acknowledgement

The Control Panel will dial a number during voice reporting. When the call recipient picks up the phone, the Control Panel will delay 5 seconds before starting to play the message.

The Voice message is composed of 3 parts:

1. Address Message: The address message you recorded. If no Address Message is recorded, the panel will play message “Alarm System”.
2. Zone Name: The panel will play the zone name of the device which triggered the

alarm if the name is selected from the default zone name list when editing the device. For alarm triggered by the control panel, the panel will play message “Control Panel”.

3. Alarm event: The panel will play the alarm message according to alarm type which includes: Burglar, Fire, Medical or Emergency

To ensure the call is successfully received by the recipient, the recipient should acknowledge the message by pressing the appropriate button on his telephone set.

There are 3 buttons to press during a Voice reporting:

“**1”** – Open a two-way communication channel with the Control Panel. The Control Panel will acknowledge this report as successful.

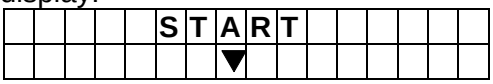
“9” – Hang up the call, the Control Panel will acknowledge the report as successful.

“0” – Hang up the call, the Control Panel will consider this report as failure and report to the next destination in the same group.

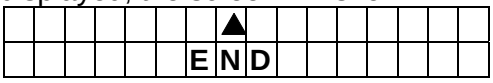
4.14. Fault Display

The Fault Display option is for you to view the fault events:

Step 1. Select **Fault Display**, press OK to confirm. If fault events The screen will display:



Step 2. Press **Down** key to scroll through the fault events. When all fault events are displayed, the screen will show:



Step 3. You can press **Up** key to scroll back through the fault events or press **OK** key to exit fault display.

<NOTE>

☞ The Control Panel is capable of detecting following fault events:

- ✓ Control Panel Low Battery
- ✓ Control Panel Battery Missing
- ✓ AC Power Fail
- ✓ Sensor Out-of-order
- ✓ Sensor Low Battery
- ✓ Device and Control Panel Tamper
- ✓ Interference Detection
- ✓ GSM-Related Failure
- ✓ Network failure

☞ When a fault event exists in system , the Fault LED will light up.

4.15. Factory Reset

You can clear all programmed settings for the Control Panel are return all configuration to factory default by following the below steps

Step 1. Power down Control Panel and turn off the battery switch

Step 2. Apply power while holding down the ▲ key.

Step 3. Release the ▲ key when you hear a beep,” **Enter Code**” will be displayed along with current firmware version.

Step 4. Press the ↻ key.

Step 5. All programmed parameters are reset to factory default setting.

4.16. Alarm Activation

■ For Alarm Activation by Events and Control Panel Responses, please refer to the following table:

Control Panel Mode & Response Table

Alarm Attribute	Disarmed	Arm Mode				Away / Home Arm Exit Timer	Away Arm Entry Timer	Home Arm Entry Timer
		Away Arm	Home Arm 1	Home Arm 2	Home Arm 3			
Burglar	No Response	Instant Burglar Alarm	Instant Burglar Alarm	Instant Burglar Alarm	Instant Burglar Alarm	Instant Burglar Alarm	Instant Burglar Alarm	Instant Burglar Alarm
Home Omit	No Response	Instant Burglar Alarm	No Response	No Response	No Response	No Response	Instant Burglar Alarm	No Response
Home1/2 Omit	No Response	Instant Burglar Alarm	No Response	No Response	Instant Burglar Alarm	No Response	Instant Burglar Alarm	No Response
Home1/3 Omit	No Response	Instant Burglar Alarm	No Response	Instant Burglar Alarm	No Response	No Response	Instant Burglar Alarm	No Response
Home Access	No Response	Instant Burglar Alarm	Start Entry Timer	Start Entry Timer	Start Entry Timer	No Response	No Response	No Response
Away Only	No Response	Instant Burglar Alarm	No Response	No Response	No Response	No Response	No Response	No Response
Entry	Door Chime (DC & IR only)	Start Entry Timer	Start Entry Timer	Start Entry Timer	Start Entry Timer	No Response	No Response	No Response
Away Entry	Door Chime (DC & IR only)	Start Entry Timer	No Response	No Response	No Response	No Response	No Response	No Response
24 HR	Instant Burglar Alarm	Instant Burglar Alarm	Instant Burglar Alarm	Instant Burglar Alarm	Instant Burglar Alarm	Instant Burglar Alarm	Instant Burglar Alarm	Instant Burglar Alarm
Delay Zone	No Response	Instant Burglar Alarm	Instant Burglar Alarm	Instant Burglar Alarm	Instant Burglar Alarm	No Response	No Response	No Response

Fire	Instant Fire Alarm	Instant Fire Alarm	Instant Fire Alarm	Instant Fire Alarm	Instant Fire Alarm	Instant Fire Alarm	Instant Fire Alarm	Instant Fire Alarm
Medical/Emergency	Instant Medical Alarm	Instant Medical Alarm	Instant Medical Alarm	Instant Medical Alarm	Instant Medical Alarm	Instant Medical Alarm	Instant Medical Alarm	Instant Medical Alarm
Water	Instant Water Alarm	Instant Water Alarm	Instant Water Alarm	Instant Water Alarm	Instant Water Alarm	Instant Water Alarm	Instant Water Alarm	Instant Water Alarm
Set/Unset	Arm \ Disarm	Arm \ Disarm	Arm \ Disarm	Arm \ Disarm	Arm \ Disarm	Arm \ Disarm	Arm \ Disarm	Arm \ Disarm
Silent Panic	Instant Silent Panic Alarm	Instant Silent Panic Alarm	Instant Silent Panic Alarm	Instant Silent Panic Alarm	Instant Silent Panic Alarm	Instant Silent Panic Alarm	Instant Silent Panic Alarm	Instant Silent Panic Alarm
Personal Attack	Instant Panic Alarm	Instant Panic Alarm	Instant Panic Alarm	Instant Panic Alarm	Instant Panic Alarm	Instant Panic Alarm	Instant Panic Alarm	Instant Panic Alarm

4.17. SMS Remote Command

The panel can be controlled remotely by SMS Commands for arm/home/disarm action and setting configuration. Please refer to following information for details.

- **SMS Command Composition**

A SMS command is composed of the following items:

1. **Command**: The action itself, the command is always followed by a colon "**:**" mark.
2. **Parameters**: The parameter determine the detail execution of the command. If multiple parameters are required, the should be separated by comma "**,**" mark.

- **SMS Message Format**

The SMS command message requires entering a **P-Word** and **Installer Code** for the Control Panel to recognize the SMS message. The complete SMS message format is:

(**P-Word)**(**Space**)(**Installer Code**)(**Space**) (**Command**)**:**(**Parameter1**)**,**(**Parameter2**)……

Ex: If P-Word = **PROG (Factory Default)**

Installer Code = **7982 (Factory Default)**

Command = **USRS** (Set User PIN Code)

Parameter 1 =**1** (For User 1)

Parameter 2 =**1234** (New User PIN Code)

Parameter 3 =**JOHN** (For User Name)

Parameter 4 =**1** (Latch Report On)

The final SMS message is: **PROG 7982 USRS:1,1234,JOHN,1**

<NOTE>

☞ Some parameters can be left blank to indicate no change to setting, or delete original setting. When entering a blank parameter, you still need to enter a "**,**" to separate the parameter.

Ex: If P-Word = **PROG (Factory Default)**

Installer Code = **7982 (Factory Default)**

Command = **USRS** (Set User PIN Code)

Parameter 1 =**1** (For User 1)

Parameter 2 =**1234** (New User PIN Code)

Parameter 3 = blank (No User Name)

Parameter 4 =**1** (Latch Report On)

The final SMS message is: **PROG 7982 USRS:1,1234,,1**

- **SMS Confirmation Message**

When the Control Panel receives a SMS Command, if the command is valid, the Control Panel will execute the action and send back a SMS message to the sender to confirm. The SMS Confimation Message format is: (**Command**)**:OK**. If the command is invalid, the SMS Confirmation Message format is: (**Command**)**:ERROR**

Ex: If the SMS Command = **PROG 7982 USRS:1,1234,JOHN**

Successful: The SMS Confirmation Message = **USRS:OK**

Error: The SMS Confirmation Message = **USRS:ERROR**

- **SMS Command Table**

Command	Comment	Example & Descriptions
ECHO	Test panel	*Send SMS Example* => **ECHO:**
USRS	Change user PIN code setting	*Send SMS Example* => **USRS:1,1,1234,user,1** Parameter 1: Enter **1** Parameter 2: User ID **1~10** = User PIN Code# **95** = Guard Code **96** = Master Code **97** = Temp Code **98** = Duress Code **99** = Installer Code Parameter 3: 4-digit PIN code Parameter 4: User name Parameter 5: Latch report, **0 = No, 1 = Yes**
USRD	Delete user	*Send SMS Example* => **USRD:1,2** Parameter 1: Enter **1** Parameter 2: User PIN Code # (**2~10)** **<Note:>** You cannot delete User 1 or special users
RPEX	Change report setting	*Send SMS Example* => **RPEX:1,1,0,gsm://1234@0234567890** Parameter 1: Report Destination # (**1~8**) Parameter 2: Report group assigned (**1~5**) Parameter 3: Report level. **0** = All **1** = Alarm **2** = Status Parameter 4: Report destination
VRPT	Change voice report setting	*Send SMS Example* => **VRPT:** 1,,,,,5 Parameter 1: Follow-on function (**0=disable, 1=enable**) Parameter 2: leave blank Parameter 3: leave blank Parameter 4: leave blank Parameter 5: leave blank Parameter 6: Follow-on listen-in duration in minutes (**1**~**5, -1** = unlimited)
DEAN	Add device by RF ID code	*Send SMS Example* => **DEAN:1,1,0123456789,name** Parameter 1: Enter **1** Parameter 2: Zone number (**1~40**) Parameter 3: RF ID code in hex string, **10** or **14** digit length Parameter 4: Device name
DEED	Change device setting	*Send SMS Example* => **DEED:1,1,,,name,01,0,00,0** Parameter 1: Enter **1** Parameter 2: Zone number (**1~40**) Parameter 3: leave blank Parameter 4: New zone number (**1~40**), leave blank if unchanged Parameter 5: Device name Parameter 6: Device Setting in bitwise hex string BIT0_1 = Permanent Bypass BIT0_2 = Latch Report BIT0_5 = Always On BIT0_6 = Normal Open Parameter 7: Attribute **1** = Burglar **2** = Home Omit **3** = Home 1/2 Omit **4** = Home 1/3 Omit **5** = Home Access **6** = Delay Zone **7** = Away Only **8** = Entry Zone

		9 = Away Entry **10** = 24 Hours **11** = Fire **12** = Medical Emergency **13** = Water **14** = Set/Unset **15** = Silent Panic **16** = Personal Attack Parameter 8: PSS groups in bitwise hex string, BIT1 to BIT8 for Group 1~8, keep blank for non-PSS devices. Parameter 9: Trigger Scene number (**0**,**21**~**30**,**0=disable, 21=Scene 1, 22 = Scene 2…etc**)
DEDL	Remove Device	*Send SMS Example* => **DEVD:1,3** Parameter 1: Enter **1** Parameter 2: Zone number (**1~40**)
DEBP	Temporary Bypass Zone	*Send SMS Example* => **DEVBP1,2,1** Parameter 1: Enter **1** Parameter 2: Zone number (**1~40**) Parameter 3: **0=Normal**, **1=Bypass**
PSSW	Switch on/off PSS	*Send SMS Example* => **PSSW:1,1,1,10** Parameter 1: Enter **1** Parameter 2: Zone number (**1~40)** Parameter 3: Action **0=Off**, **1=On**, **2=Toggle** Parameter 4: Period in minutes (**0~1440**, **0=always**)
PSSG	Switch on/off PSS group	*Send SMS Example* => **PSSG:1,1,10** Parameter 1: PSS group (**1~8**) Parameter 2: Switch type, **0=Off**, **1=On** Parameter 3: Period in minutes (**0~1440**, **0=always**)
PSDM	Switch dimmer	*Send SMS Example* => **PSDM:1,1,80** Parameter 1: Enter **1** Parameter 2: Zone number (**1~40**) Parameter 3: Switch level (**0,10,20,30~100**)
RQMD	Request media	*Send SMS Example* => **RQMD:1,3** Parameter 1: Enter **1** Parameter 2: Zone number (**1~40**)
SYSS	Change system settings	*Send SMS Example* => **SYSS:5,1,720,60,,PROG,10000,-10000** Parameter 1: AC fail timer in minutes (**0~60, 0=disable**) Parameter 2: Jamming report (**0=disable, 1=enable**) Parameter 3: Auto check-in report interval in minutes (**0~1440, 0=disable)** Parameter 4: Auto check-in report offset in minutes (**1~720**) Parameter 5: Keyword Parameter 6: P-word Parameter 7: High temperature in 100x ℃ (**-1000 ~ 5000, 10000=disable**), ex: 1234=12.34℃ Parameter 8: Low temperature in 100x ℃(**-1000 ~ 5000, -10000=disable**), ex: 1234=12.34℃ Parameter 9: Bypass GSM/IP fault (**0=disable,1=IP,2=GSM**)
DTZS	Change panel date & time	*Send SMS Example* => **DTZS:2013/3/22_12:05:09,0** Parameter 1: Date & time, format: YYYY/M/D_h:m:s Parameter 2: Timezone **0** = UTC **1** = Los Angeles **2** = Denver **3** = Chicago **4** = New York **5** = Moncton **6** = London **7** = Paris **8** = Istanbul **9** = Moscow **10** = Taipei

		11 = Tokyo **12** = Sydney **13** = Auckland
REST	Reboot panel	*Send SMS Example* => REST:5 Parameter 1: Delay time in second (1~5)
FTRS	Reset panel to factory default	*Send SMS Example* => **FTRS:0,0** Parameter 1: Network settings, **0=reset, 1=keep** Parameter 2: Device settings, **0=reset, 1=keep**
ARAS	Change area setting	*Send SMS Example* => **ARAS:1,720,0,0,0,3** Parameter 1: Enter **1** Parameter 2: Supervision timer in minutes **0~1440, 0=Disable** Parameter 3: Final door **0=Disable, 1=Enable** Parameter 4: Arm fault type **0=Confirm, 1=Direct** Parameter 5: Tamper alarm type **0=Full Arm Only, 1=Always** Parameter 6: Alarm length in minutes **0~15, 0=Disable**
ATMR	Change area timer setting	*Send SMS Example* => **ATMR:1,70,10,10,10,70,10,10,10** Parameter 1: Enter **1** Parameter 2: Away entry timer in seconds (**0~70**) Parameter 3: Home 1 entry timer in seconds (**0~70**) Parameter 4: Home 2 entry timer in seconds (**0~70**) Parameter 5: Home 3 entry timer in seconds (**0~70**) Parameter 6: Away exit timer in seconds (**0~70**) Parameter 7: Home 1 exit timer in seconds (**0~70**) Parameter 8: Home 2 exit timer in seconds (**0~70**) Parameter 9: Home 3 exit timer in seconds (**0~70**)
ASND	Change area sound setting	*Send SMS Example* => **ASND:1,2,2,2,2,2,2** Parameter 1: Enter **1** Parameter 2: Door chime sound, **0=Silent, 1=Low, 2=Medium, 3=High** Parameter 3: Away entry sound, **0=Silent, 1=Low, 2=Medium, 3=High** Parameter 4: Home entry sound, **0=Silent, 1=Low, 2=Medium, 3=High** Parameter 5: Away exit sound, **0=Silent, 1=Low, 2=Medium, 3=High** Parameter 6: Home exit sound, **0=Silent, 1=Low, 2=Medium, 3=High** Parameter 7: Warning beep sound, **0=Silent, 1=Low, 2=Medium, 3=High**
NWCF	Change network configuration	*Send SMS Example* => **NWCF:1,192.168.0.1,255.255.255.0,192.168.0.254,192.168.0.101** Parameter 1: DHCP or static IP, 0=static IP, 1=DHCP Parameter 2: IP address for static IP, enter 0 if DHCP is selected Parameter 3: Subnet mask for static IP, enter 0 if DHCP is selected Parameter 4: Gateway for static IP, enter 0 if DHCP is selected Parameter 5: DNS for static IP, enter 0 if DHCP is selected
NTPS	Change SNTP configuration	*Send SMS Example* => **NTPS:240,pool.ntp.org** Parameter 1: sync internal in minutes (240~1440) Parameter 2: SNTP server, disable if empty
SMTP	Change SMTP setting	*Send SMS Example* => **SMTP:smtp://user:password@msa.hinet.net,user@example.com** Parameter 1: SMTP server URL Parameter 2: SMTP sender from
XMPP	Change XMPP setting	*Send SMS Example* => **XMPP:xmpp://user:password@192.168.0.190:5222,domain,admin,40** Parameter 1: XMPP server URL Parameter 2: XMPP server domain Parameter 3: Buddy list Parameter 4: Ping interval in seconds (**10~60**)
GAPN	Change GPRS APN setting	*Send SMS Example* => **GAPN:internet,,** Parameter 1: GPRS APN Parameter 2: GPRS user name Parameter 3: GPRS password
GMMS	Change MMS APN setting	*Send SMS Example* => **GMMS:mms,,,http://mmsc,10.1.1.7,8080** Parameter 1: MMS APN Parameter 2: MMS user name

		Parameter 3: MMS password Parameter 4: MMS server Parameter 5: MMS proxy Parameter 6: MMS proxy port (**1~65535**)
RSTG	Reset GSM	*Send SMS Example* => **RSTG:**
UPLD	Change media upload setting	*Send SMS Example* => **UPLD:1,http://192.168.0.190:8080/upload/up-post.php** Parameter 1: Upload destination (**1~5**) Parameter 2: Upload destination URL
UPPF	Change media upload prefix	*Send SMS Example* => **UPPF:1234** Parameter 1: Media upload prefix
FMUG	Panel Firmware Upgrade	*Send SMS Example* => **FMUG:http://192.168.0.190:8080/firmware/upgrade.bin** Parameter 1: URL to download firmware
HAED	Change home automation rule	*Send SMS Example* => **HAED:1,a1.mode==0, g=1&sw=off&pd=60** Parameter 1: Rule Number (**1~20**) Parameter 2: Rule condition Mode Change: a**1.mode==0 : Disarm** **a1.mode==1 : Away Arm** **a1.mode==2 : Home Arm 1** **a1.mode==3 : Home Arm 2** **a1.mode==4 : Home Arm 3** Alarm: **a1.alarm==5 : Burglar** **a1.alarm==6 : Smoke** **a1.alarm==7 : Medical** **a1.alarm==8 : Water** **a1.alarm==9 : Silent Panic** **a1.alarm==10 : Panic** **a1.alarm==11 : Emergency** **a1.alarm==13 : CO** **a1.alarm==16 : High Temperature** **a1.alarm==17 : Low Temperature** **a1.alarm>0 : Any Alarm** Greater Temperature: **hightemp>=-1000 ~ 5000**(-10~50℃) Lower Temperature: **lowtemp<-1000 ~ 5000**(-10~50℃) Timer: **HHMM_hhmm_hhmm** (ex:HHMM_1230_1230) Initial: **init** Parameter 3: Rule execution PSS Zone Control: **a=1&z=(1~40)&sw=(on/off)&pd=(time in minutes, 0~1440, 0=always)** ex: **a=1&z=2&sw=on&pd=120**: Zone 2 on for 2 hours PSS Group Control: **g=(1~8)&sw=(on/off)&pd=(time in minutes, 0~1440, 0=always)** ex:**g=1&sw=off&pd=60**: Group 1 off for 1 hour Request All Media: **a=1&req=img_all;req=vid_all** Apply Scene: **a=1&trigger=USR(1~10)** ex: **a=1&trigger=USR3**: Apply Scene 3
HAAS	Apply home automation scene	*Send SMS Example* =>**HAAS:1** Parameter 1: Scene Number (**1~10**)

5. Vesta EZ Home Application

The Vesta EZ Home Application is a smartphone application designed to assist you in sending SMS Command The intuitive and simple interface help you communicate with Control Panel by SMS message easily.

Vesta EZ Home supports basic system mode control and setting configuration for end users. For detailed full system setting programming, please refer to **4.17. SMS Remote Command** for detail.

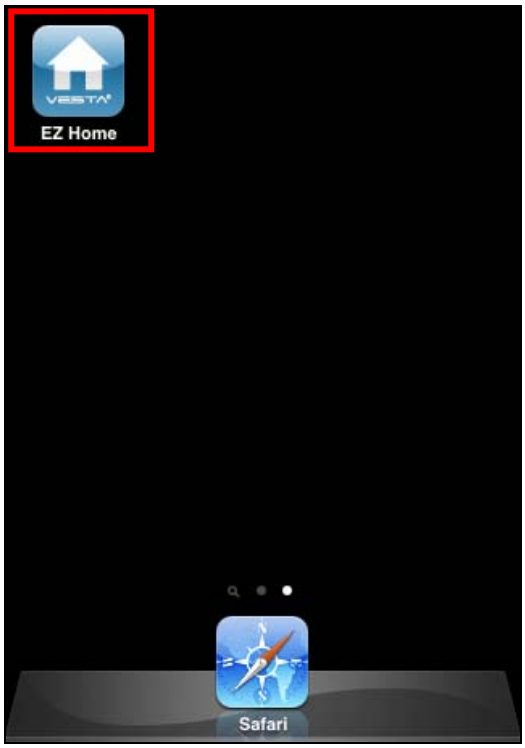
To use the application, go to iPhone **App Store** or Android **Google Play** and search for "**Vesta EZ Home**" to find the application. Download and start the application.

5.1. For iPhone

The iPhone version of Vesta EZ Home Application supports all SMS command functions except SMS commands which inquire Control Panel for information . This is due to the limit of iOS system, which prohibits incoming SMS message from accessing application data.

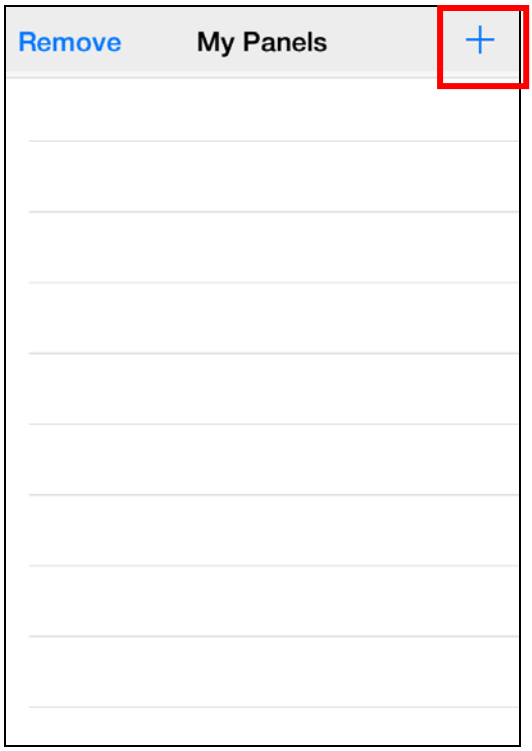
An iOS version of 6.1 or higher is required to use Vesta EZ Home on iPhone.

Select the Vesta EZ Home icon to start the application.



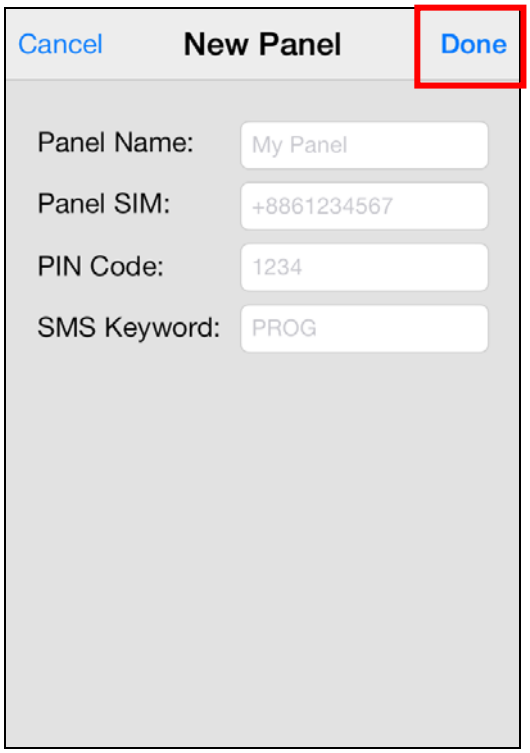
- **Panel Selection**

Upon starting the application, you will first enter Panel Selection menu



- For first time user, you need to first enter your panel information, please select the "**+**" icon.

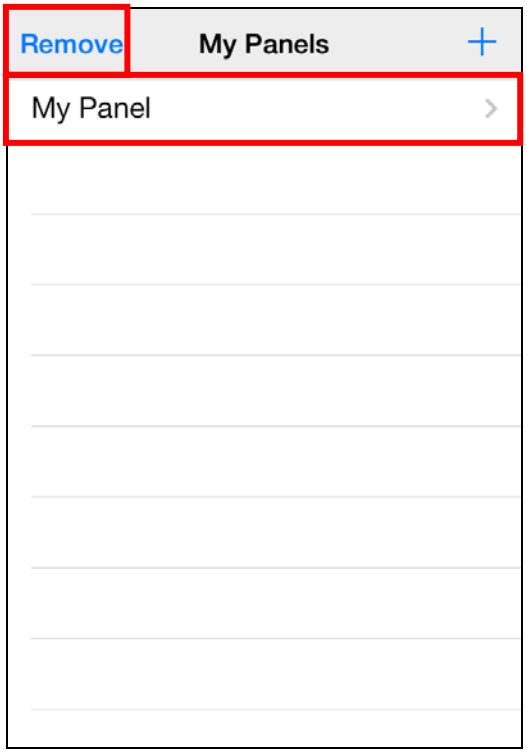
- Enter the panel information, including the panel name you want to use in the application, panel SIM card number, a User PIN Code and the SMS keyword used to access the panel. Press "**Done**" to confirm when finished.



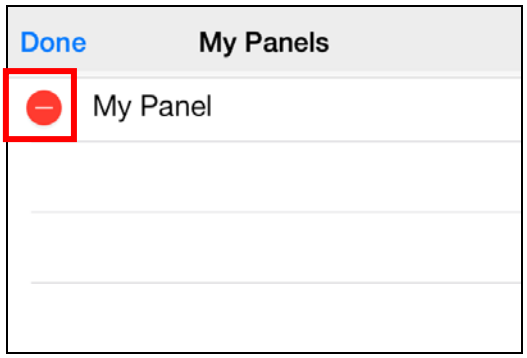
<NOTE>

- ☞ The PIN Code and SMS Keyword entered in Panel Information are included in every SMS command sent with the app for the Control Panel to verify the SMS command.
- ☞ The PIN code must be identical to a User PIN Code in the panel. The factory default PIN code in the Control panel is "**1234"** for User PIN Code 1. You can change both SMS Keyword and PIN code later by editing panel information.
- ☞ The panel does not have a default SMS Keyword, you need to program a Keyword in your panel first to use Vesta EZ Home Application. Please refer to **2.6. Panel Setting** for Keyword programming.

- You will return to Panel Selection menu, the new panel you entered will be displayed, select the panel to proceed to edit SMS commands for the panel. If you want to remove the panel, press "**Remove**."



- Press the ⊖ icon, then "**Delete**" to remove the panel from the application.

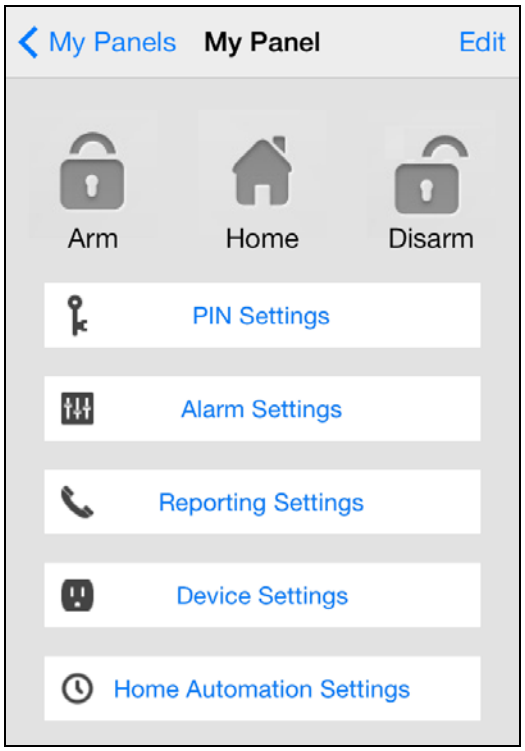


<IMPORTANT NOTE>

- ☞ The default setting in the application may be different from the setting in your Control Panel. When you use the application to program the system for the first time, please check both application and Control Panel settings for discrepancies.
- ☞ If there are discrepencies, please enter the correct setting in the application, and press "**Save**" to send the setting to Control Panel.
- ☞ After you send an SMS command, please make sure you receive confirmation message from the Control Panel before proceeding to send the next command. If you receive an error message from the Control Panel, please resend the SMS command again, or change the setting back to previous setting and save again. Otherwise the setting saved in the application will be different from the panel setting.

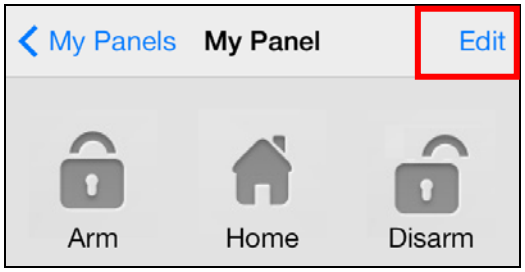
● Panel Main Menu

The Panel Main Menu is displayed as follows:

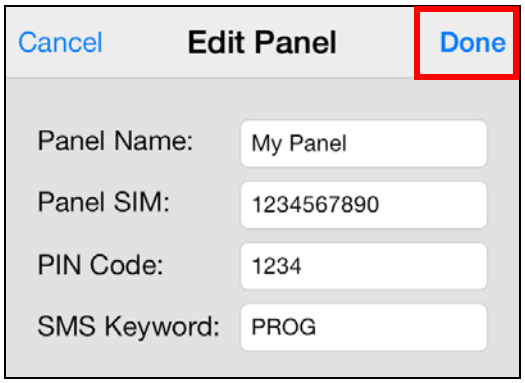


● Edit Panel Information

You can edit your control panel information by pressing "**Edit.**"

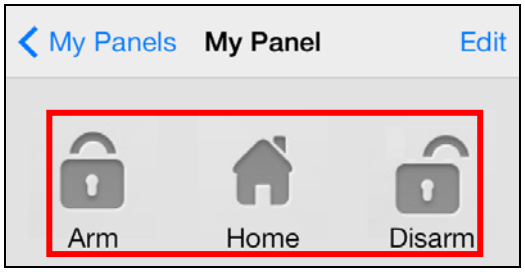


Enter the new panel name, panel SIM card number and PIN Code and the SMS keyword you desired. Press "**Done**" to confirm when finished.



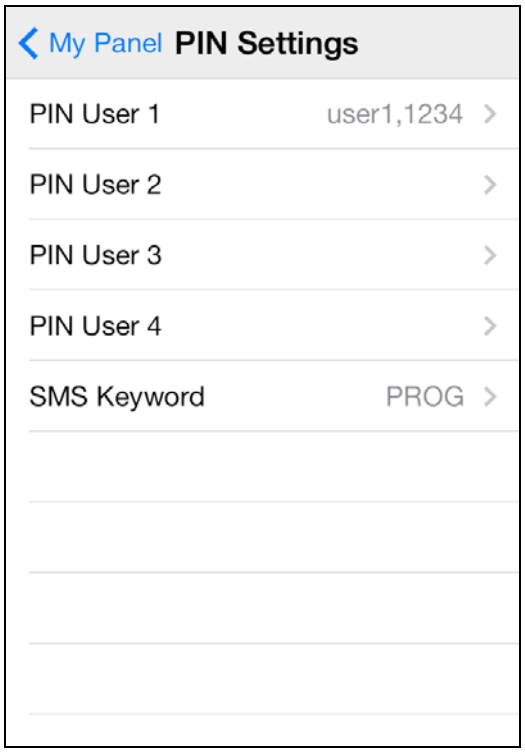
Away Arm / Home Arm / Disarm

To change system mode, select the icon for Arm / Home / Disarm respectively. A SMS message edit screen will appear for you to confirm. Press "**Send**" to send the SMS command to panel.

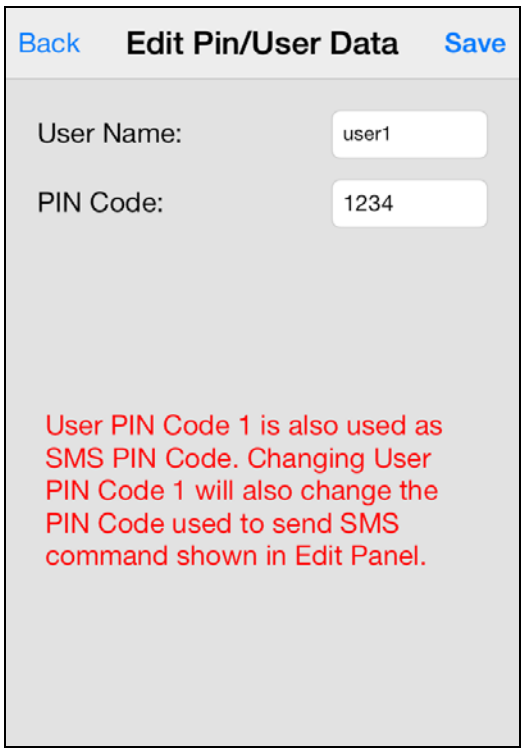


PIN Setting

The PIN Setting Menu allows you to edit User PIN Codes and SMS Keyword.



- Select the information you want to edit, enter the information and press "**Save**". A SMS message edit screen will appear for you to confirm. Press "**Send**" to send the SMS command to panel.



<NOTE>

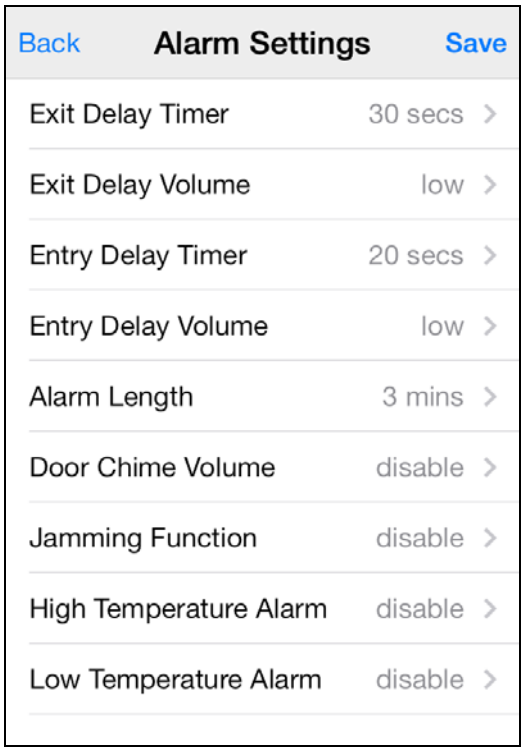
☞ You can delete the User PIN code by keeping the Pin Code field blank and save the setting. User PIN Code 1 cannot be deleted."

<IMPORTANT NOTE>

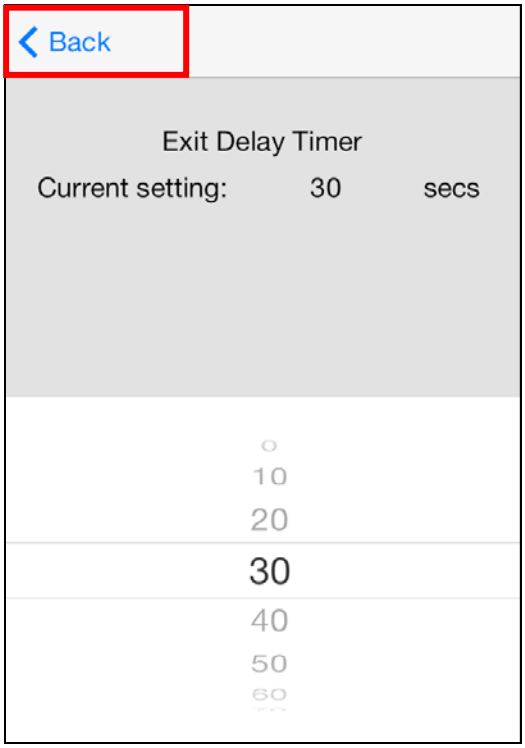
☞ When you change SMS Keyword or User PIN Code 1 and save the setting, the SMS Keyword and PIN Code stored in Panel Information will also be updated accordingly. Please make sure the Control Panel successfully receives the SMS command. If the panel fails to receive the SMS command, you need to edit the Panel Information manually to change SMS Keyword or PIN code back to previous setting. Otherwise you will no longer be able to control the panel with the app.

Alarm Setting

The Alarm Setting Menu allows you to edit alarm related configuration.



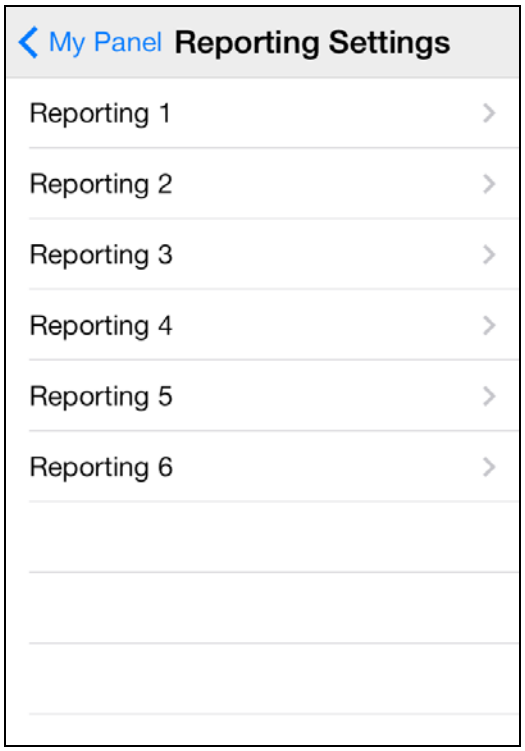
- Select the option you want to edit, you will enter the edit screen



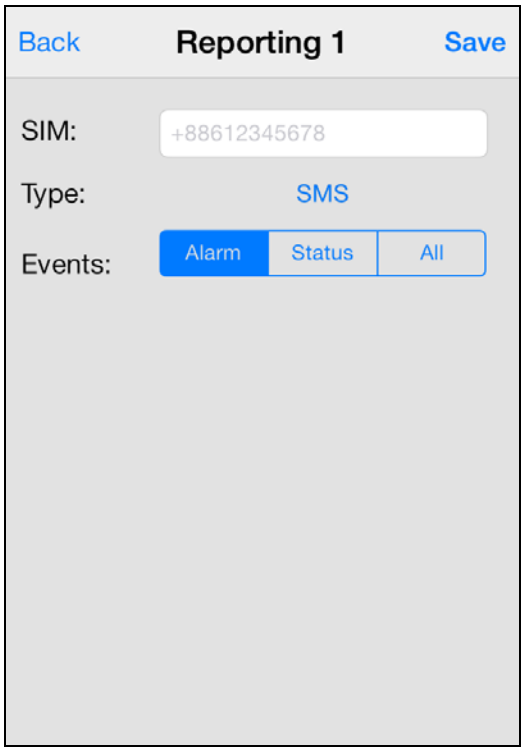
- Slide the screen to select the value you want to change, press "**Back**" to return to menu when done.
- When you are satisfied with all of your alarm settings, press "**Save**". A SMS message edit screen will appear for you to confirm. Press "**Send**" to send the SMS command to panel.

Reporting Setting

The Report Setting Menu allows you to edit your telephone numbers for reporting.



- Select the reporting priority you want to edit.



- Enter the telephone number for reporting, and select report type and events. Only SMS(CID)/ SMS(Text)/ GSM CID/ Voice reporting options are available.

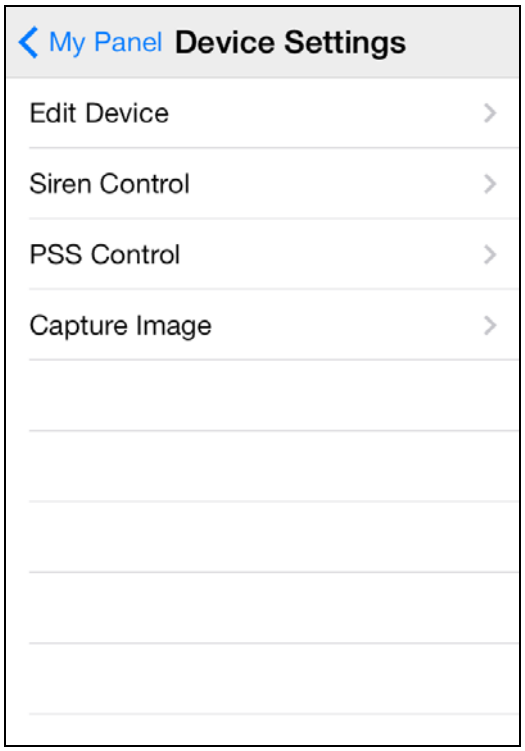
- Press “**Save**”. A SMS message edit screen will appear for you to confirm. Press “**Send**” to send the SMS command to panel.

<NOTE>

☞ You can delete the telephone number by keeping the telephone number field blank and save the setting.

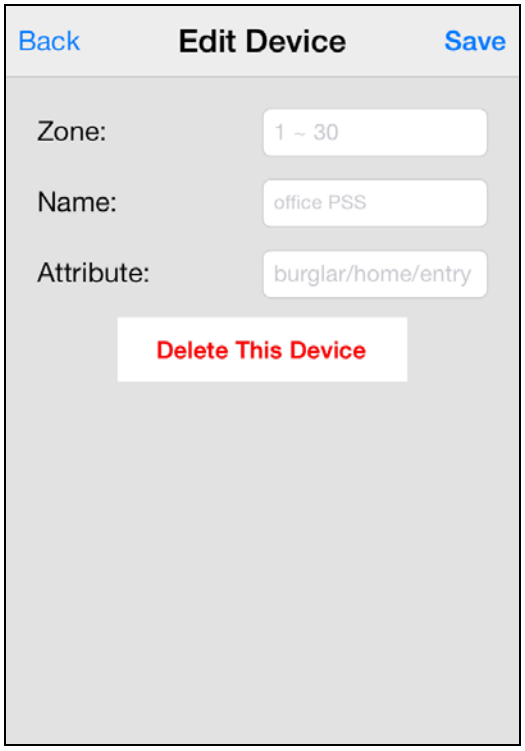
Device Setting

The Device Setting Menu allows you to edit device, control Siren, PSS, and request PIR Camera images.



Edit Device

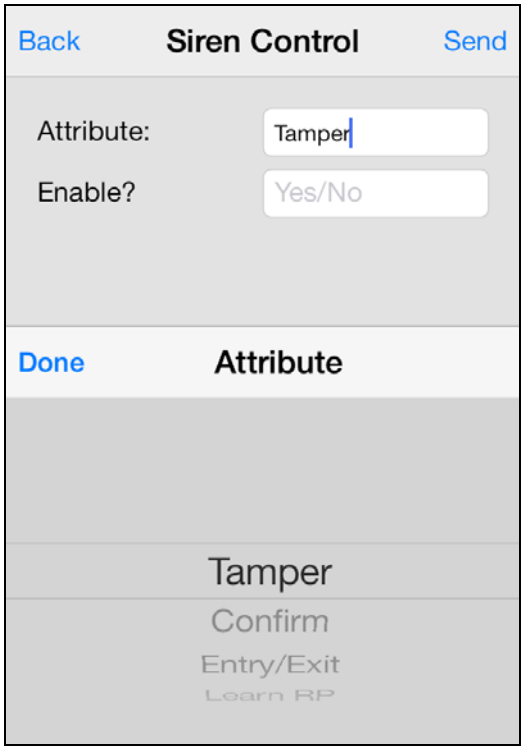
- The Edit Device option allows you to edit a device name, and attribute for Door Contact, PIR and EIR Sensor.



- Select the Zone number of the device you want to edit and enter a new name,
- For Door Contact, PIR Sensor, PIR Camera and PIR Video Camera, please select an attribute. (Only Burglar, Home Omit and Entry attributes are available.)
- For other devices without attribute, you can select any attribute as it will not affect the device setting.
- Press “**Save**”. A SMS message edit screen will appear for you to confirm. Press “**Send**” to send the SMS command to panel.
- You can also press “**Delete This Device**” to remove the device in selected zone from the Control Panel.

Siren Control

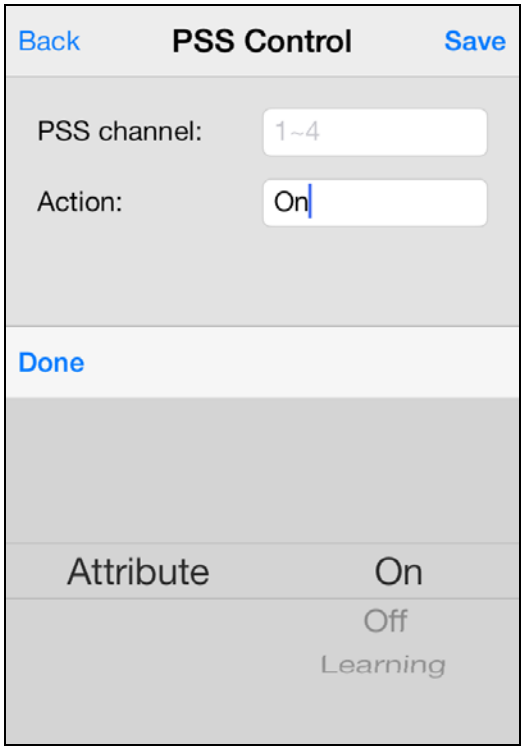
- The Siren Control option allows you to change Siren settings.



- Select the function you want to edit and choose to enable or disable the function.
- Press "**Save**". A SMS message edit screen will appear for you to confirm. Press "**Send**" to send the SMS command to panel.

PSS Control

- The PSS Control option allows you to turn on/off your Power Switch groups.



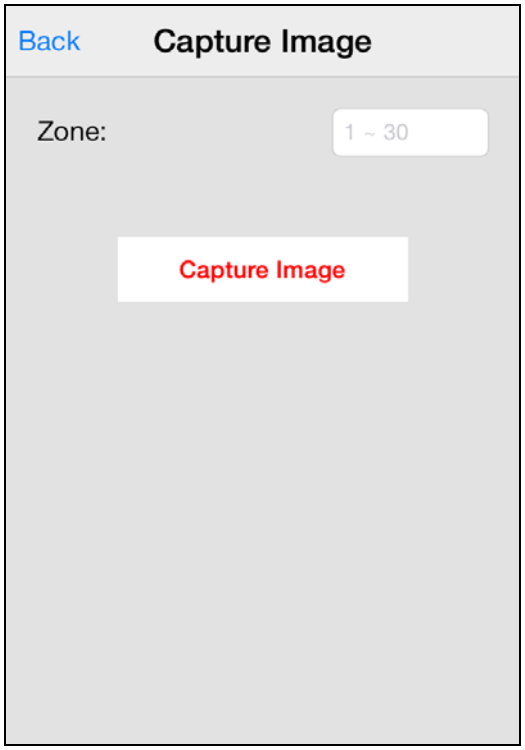
- Select the Power Switch group you want to control, then choose to turn on/off the Power Switch.
- Press "**Save**". A SMS message edit screen will appear for you to confirm. Press "**Send**" to send the SMS command to panel.

<NOTE>

☞ PSS learning is not available with Vesta EZ Home.

Capture Image

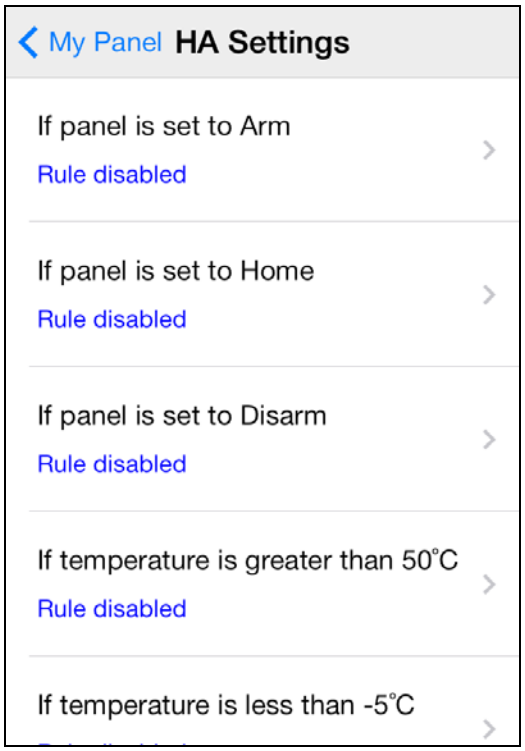
- You can manually request your PIR Camera, PIR Video Camera or IP Camera to take a picture or video. The picture will be sent to the destination programmed under Media Upload section.



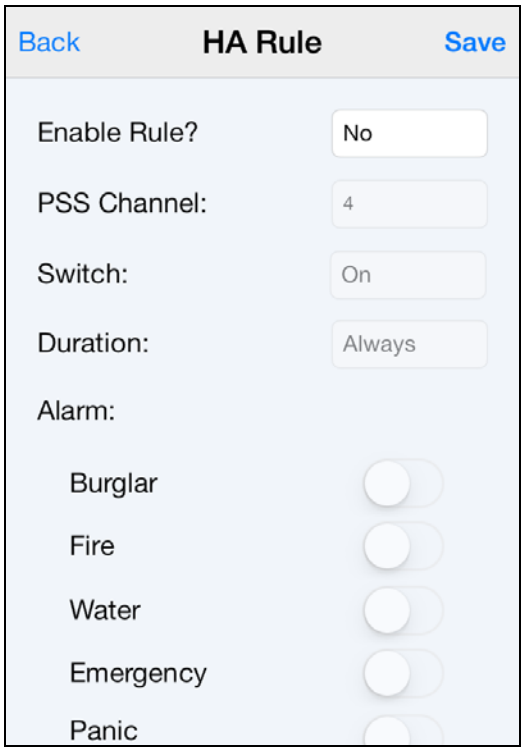
- Specify the zone number of the PIR Camera you want to take picture, then press "**Capture Image.**" A SMS message edit screen will appear for you to confirm. Press "**Send**" to send the SMS command to panel.

Home Automation Rules

Set Home Automation rules.



- Select the condition, you will enter the rule setting page for the condition.



- Choose to enable/disable the rule, Power Switch group on/off status and duration. For High and Low temperature, you also need to set the temperature value.
- Press "**Save**". A SMS message edit screen will appear for you to confirm. Press "**Send**" to send the SMS command to panel.

<NOTE>

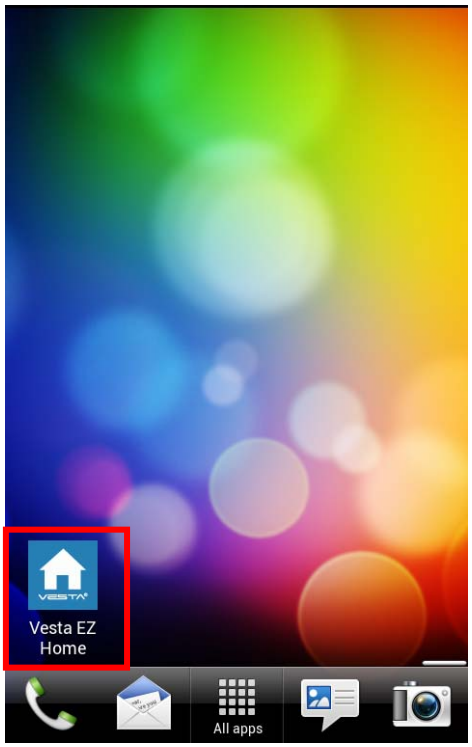
- For system mode change (Arm, Home, Disarm), the Power Switch Ggroup selection is limited to #1 only.
- For High/Low Temperature and Time setting. You can select any Power Switch group from #1 ~ #4.

5.2. For Android Phone

The Android version of Vesta EZ Home Application supports complete SMS command functions, including the commands to inquire Control Panel setting and update appllication data with latest setting information.

An Adroid version of 2.2 or higher is required to use Vesta EZ Home on your Andriod phone.

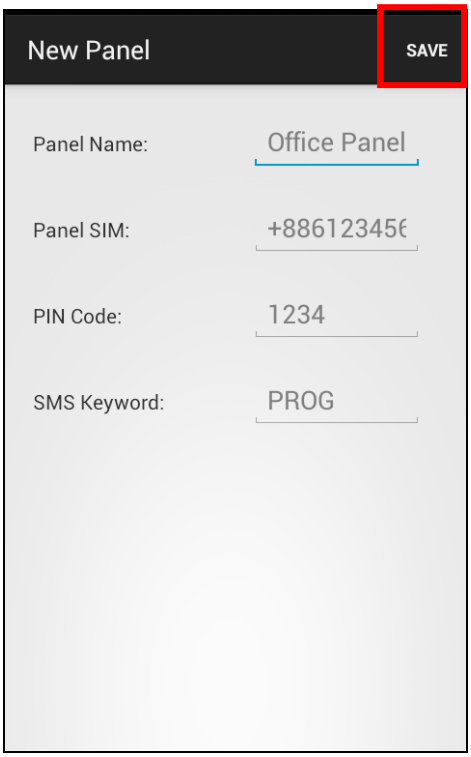
Select the Vesta EZ Home icon to start the application.



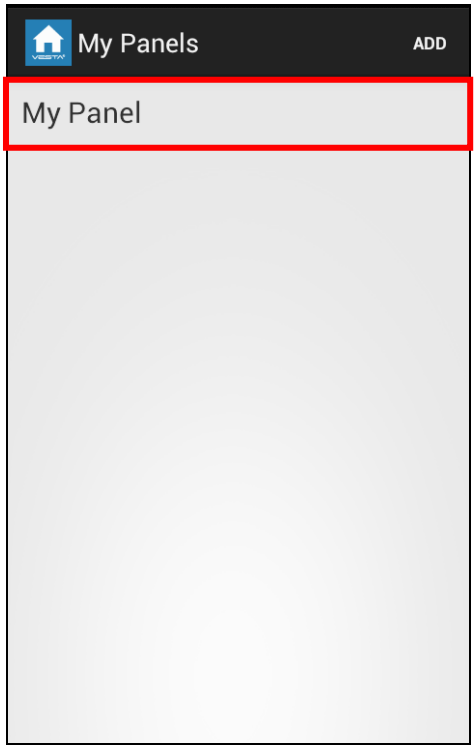
Panel Selection

Upon starting the application, you will first enter Panel Selection menu

- For first time user, you need to first enter your panel information, please press "**ADD**" button.
- You will see the panel information, including the panel name you want to use in the application, panel SIM card number, the PIN Code and SMS keyword used to access the panel. Press "Save" to confirm when finished.



- You will return to Panel Selection menu, the new panel you entered will be displayed, select the panel to proceed to edit SMS commands for the panel.



<NOTE>

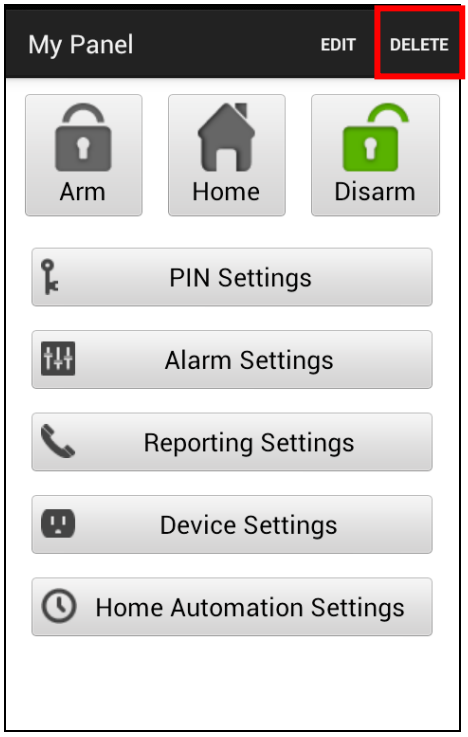
- ☞ The PIN Code and SMS Keyword entered in Panel Information are included in every SMS command sent with the app for the Control Panel to verify the SMS command.
- ☞ The PIN code must be identical to a User PIN Code in the panel. The factory default PIN code in the Control panel is "**1234"** for User PIN Code 1. You can change both SMS Keyword and PIN code later by editing panel information.
- ☞ The panel does not have a default SMS Keyword, you need to program a Keyword in your panel first to use Vesta EZ Home Application. Please refer to **2.6. Panel Setting** for Keyword programming.

<IMPORTANT NOTE>

☞ Whenever you send an SMS command, please make sure you receive confirmation message from the Control Panel before proceeding to send the next command. If you receive an error message from the Control Panel, please resend the SMS command again, or change the setting back to previous setting and save again. Otherwise the setting saved in the application will be different from the panel setting.

● Panel Main Menu

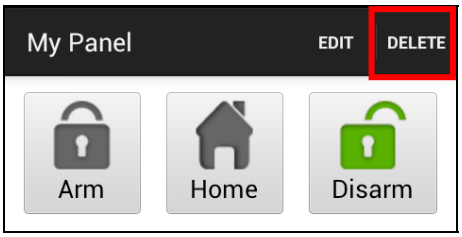
The Panel Main Menu is displayed as follow:



You can select the different settings to further program different functions. Pressing “Back” button on your Android phone will return to Panel Selection Menu.

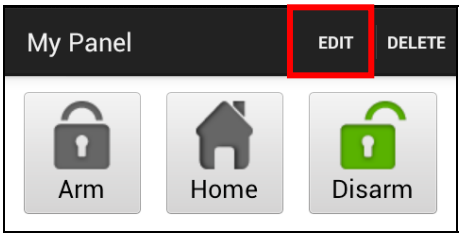
● Delete Panel

- To remove current panel, select the “**Delete**” button at the top right of Panel Main Screen. You will be asked to confirm the action, select “OK to delete the panel.” You will return to Panel Selection Menu.

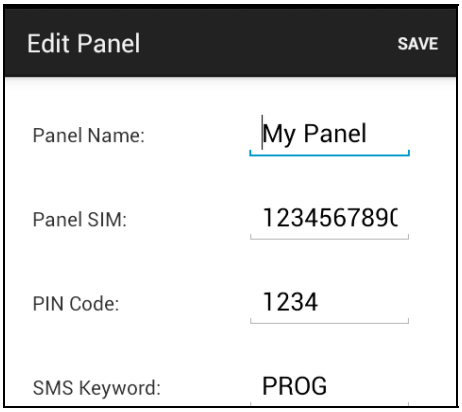


● Edit Panel Information

You can edit the Control Panel information by pressing “**Edit**”

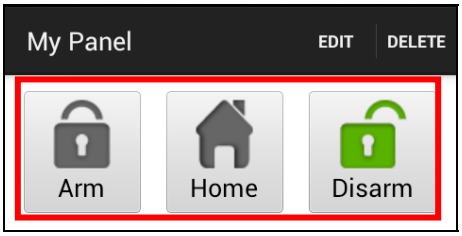


Enter the new panel name, panel SIM card number and PIN Code and the SMS keyword you desired. Press “**Save**” to confirm when finished.



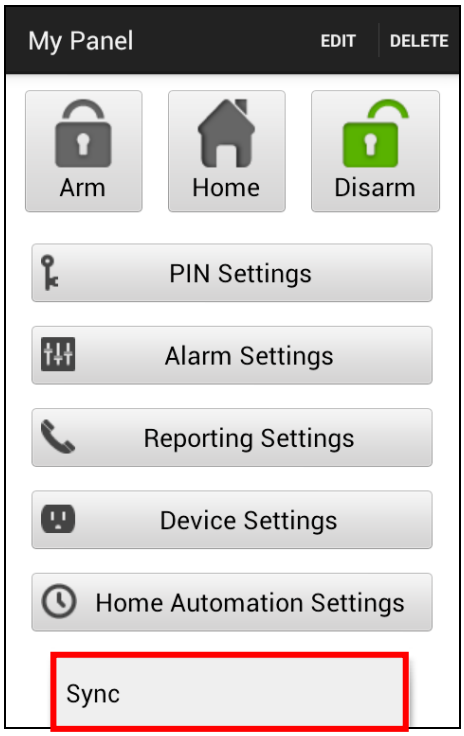
● Away Arm / Home Arm / Disarm

To change system mode, Press the Arm / Home / Disarm button respectively. The phone will send a SMS command to panel to execute the command.



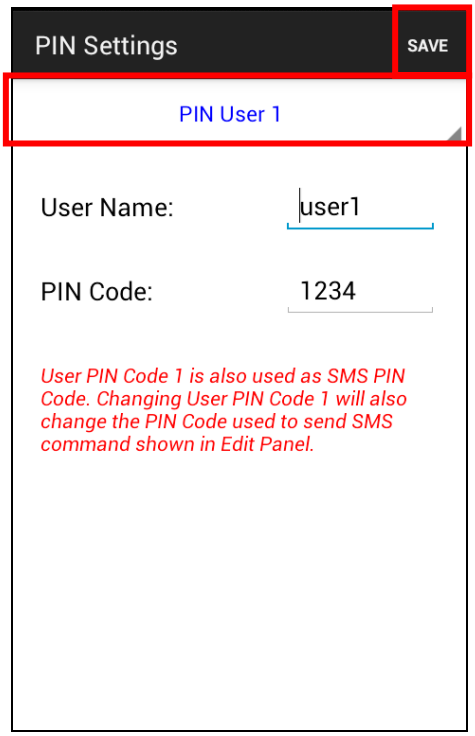
Sync with Panel

Press the Menu button on you Android phone to bring up the “Sync” option. Press “Sync” to send an SMS command to Control Panel requesting it to report back its current mode. Once your phone receives the SMS response message from the Control Panel, Vesta EZ Home app will update the current system mode accordingly for you to view. Please remember to sync your Vesta EZ Home app with all your panel setting when you first create the panel.

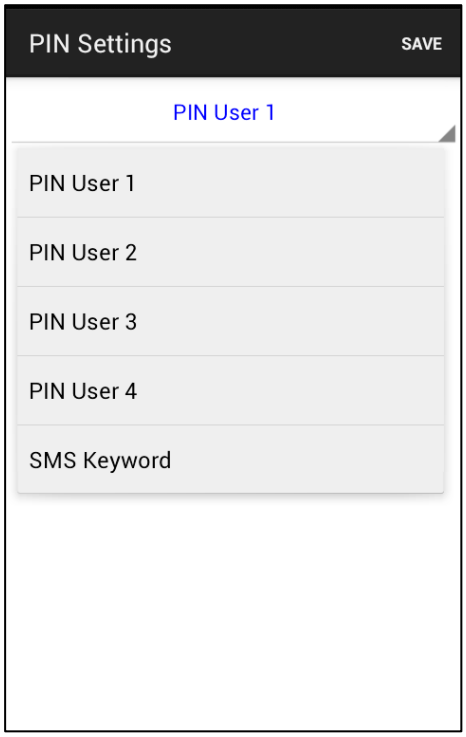


PIN Setting

The PIN Setting Menu allows you to edit User PIN Codes and SMS Keyword.



- Select the top column to choose the setting you want to edit



- Select the information you want to edit, enter the information and press “**Save**”. The phone will send a SMS command to panel.

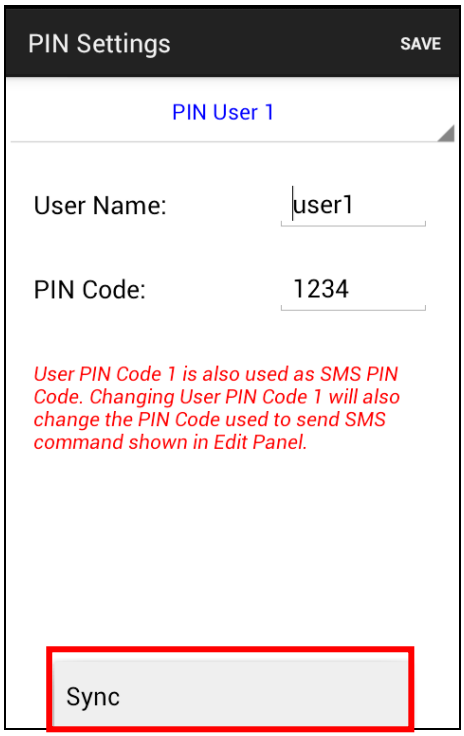
<NOTE>

☞ You can delete the User PIN code by keeping the Pin Code field blank and save the setting. User PIN Code 1 cannot be deleted."

<IMPORTANT NOTE>

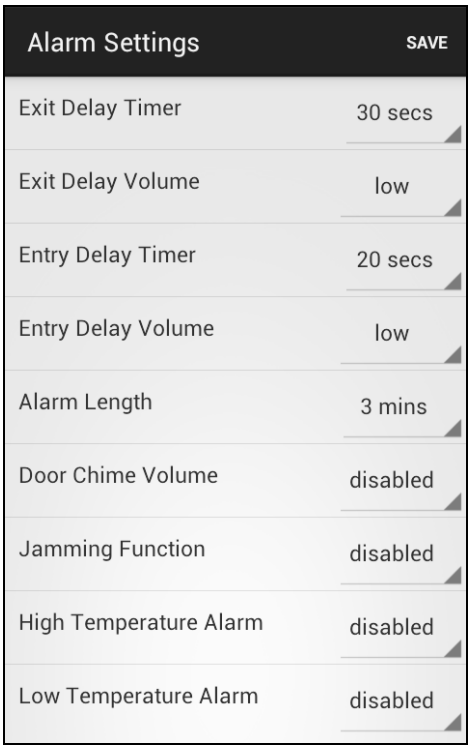
☞ When you change SMS Keyword or User PIN Code 1 and save the setting, the SMS Keyword and PIN Code stored in Panel Information will also be updated accordingly. Please make sure the Control Panel successfully receives the SMS command. If the panel fails to receive the SMS command, you need to edit the Panel Information manually to change SMS Keyword or PIN code back to previous setting. Otherwise you will no longer be able to control the panel with the app.

- Press the "Menu" button on your Android phone to bring up the "Sync" function. Press "Sync" to send a SMS command to the Control Panel for inquiring current User PIN code setting. Once your phone receives the SMS response message from the Control Panel, Vesta EZ Home app will update the User PIN code information.

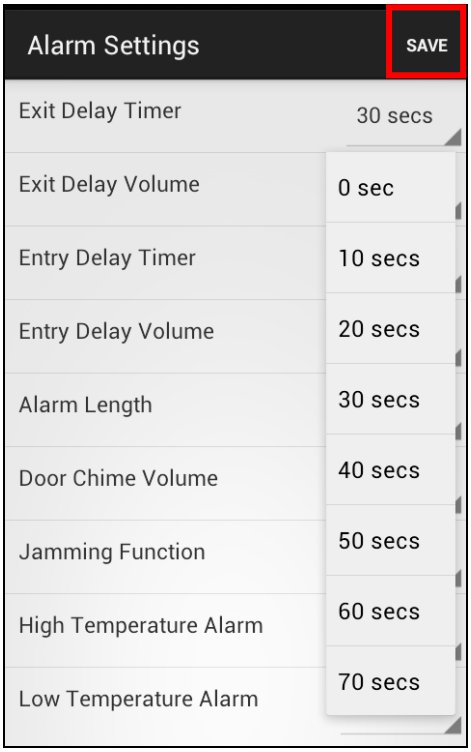


Alarm Setting

The Alarm Setting Menu allows you to edit alarm related configuration.

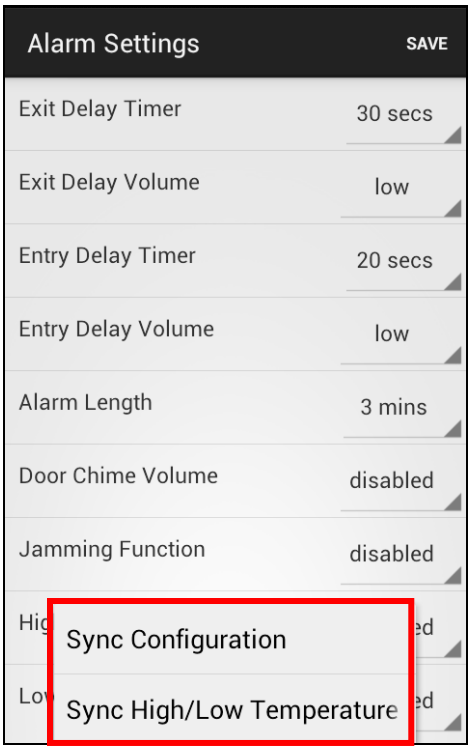


- Select the option you want to edit to change the setting.



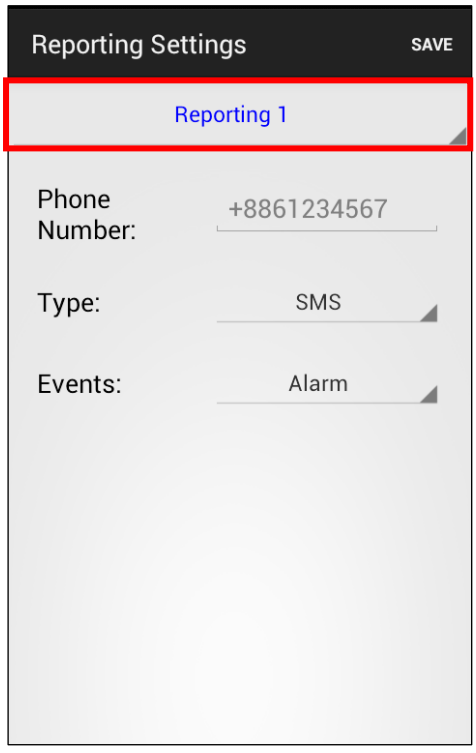
- When you are satisfied with all of your alarm settings, press "**Save**". The phone will send a SMS command to panel.
- You can press the "Menu" button on your Android phone to bring up the "Sync" options and choose to sync either the

configurations or high/low temperature setting.



● Reporting Setting

The Report Setting Menu allows you to edit your telephone numbers for reporting.



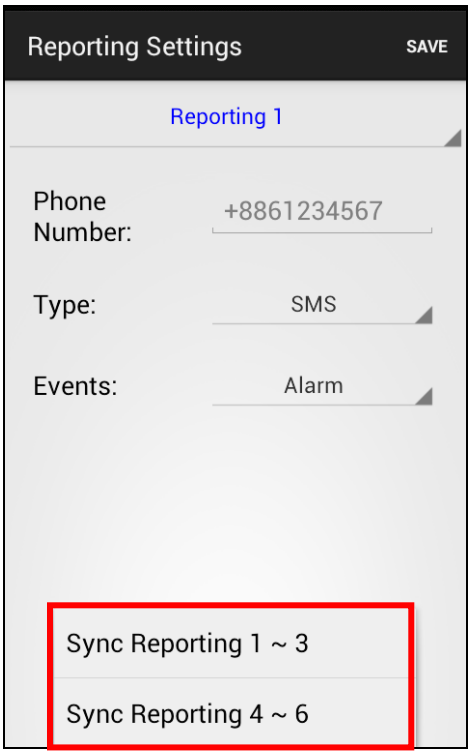
- Select the top column to select the reporting priority you want to edit.

- Enter the telephone number for reporting, and select report type and events. Only SMS(CID)/ SMS(Text)/ GSM CID/ Voice reporting options are available.
- Press "**Save**". The phone will send a SMS message to panel.

<NOTE>

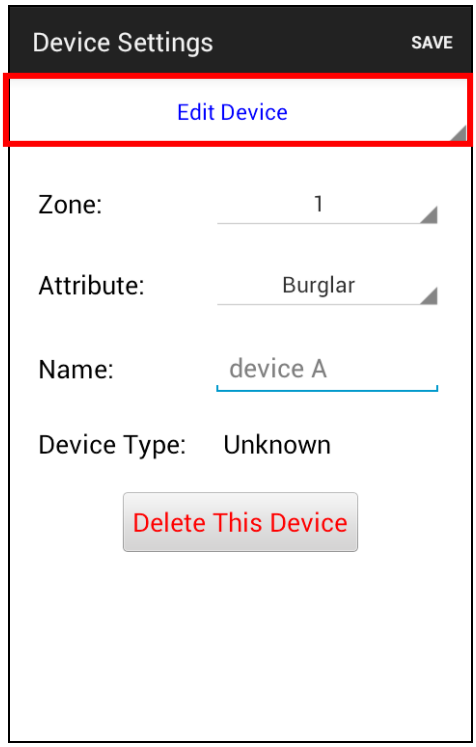
☞ You can delete the telephone number by keeping the telephone number field blank and save the setting.

- You can press the “Menu” button on your Android phone to bring up the “Sync” options and choose to sync either Reporting 1~3 or 4~6.

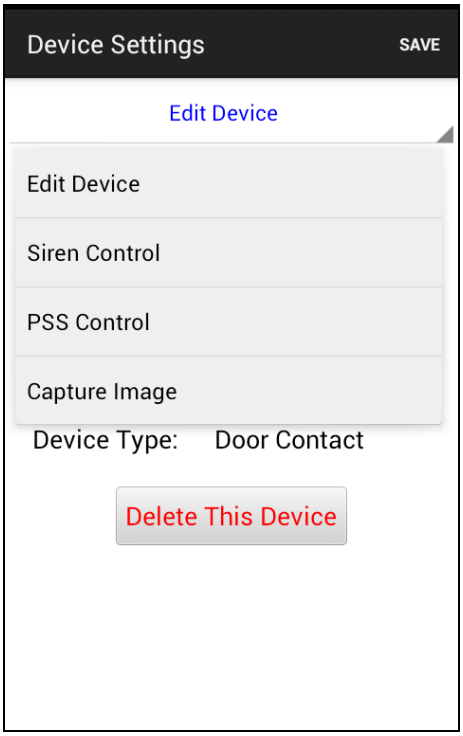


Device Setting

The Device Setting Menu allows you to edit device, control Siren, PSS, and request PIR Camera image.

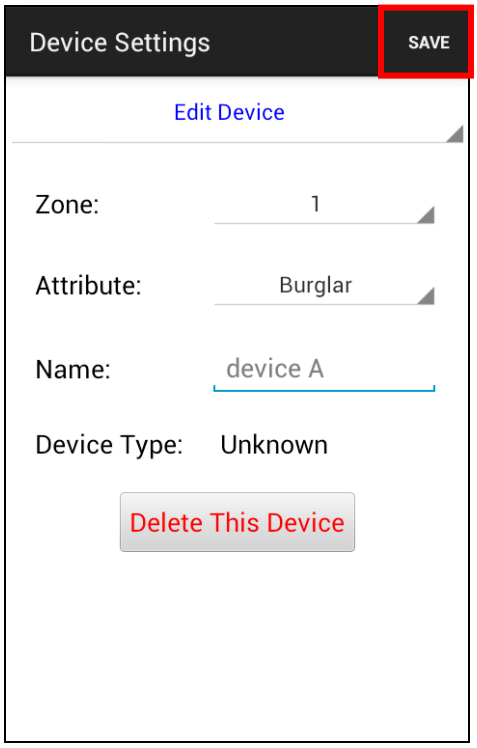


- Select the top column to choose between Edit Device, Siren, PSS Control, and PIR Camera picture request



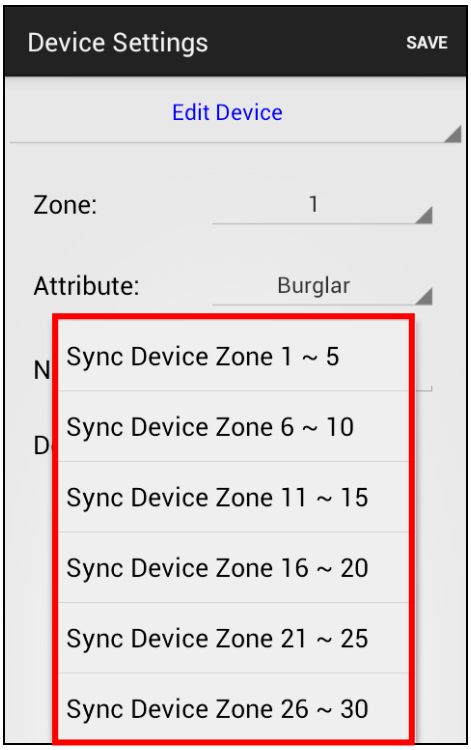
Edit Device

- The Edit Device option allows you to edit a device name, and attribute for Door Contact, PIR and EIR Sensor.

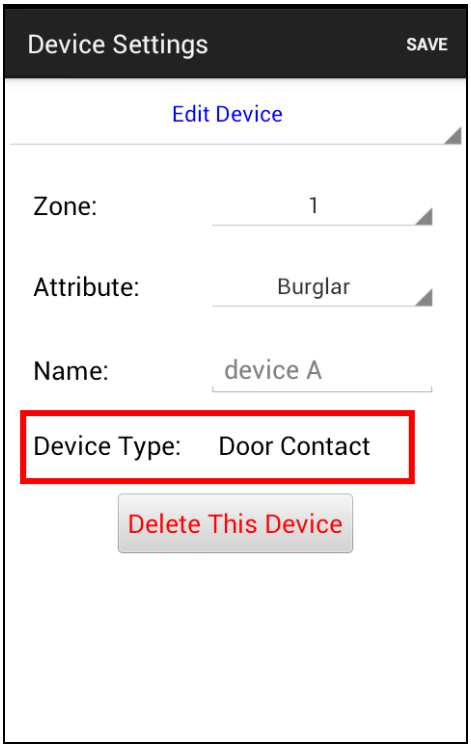


- Select the Zone number of the device you want to edit and enter a new name,
- For Door Contact, PIR Sensor, PIR Camera and PIR Video Camera, please select an attribute. (Only Burglar, Home Omit and Entry attributes are available.)
- For other devices without attribute, you can select any attribute as it will not affect the device setting.
- Press "**Save**". The phone will send a SMS command to panel.
- You can also press "Delete This Device " to remove the device from panel.

- You can press the "Menu" button on your Android phone to bring up the "Sync" options and choose to sync device information in different zones.

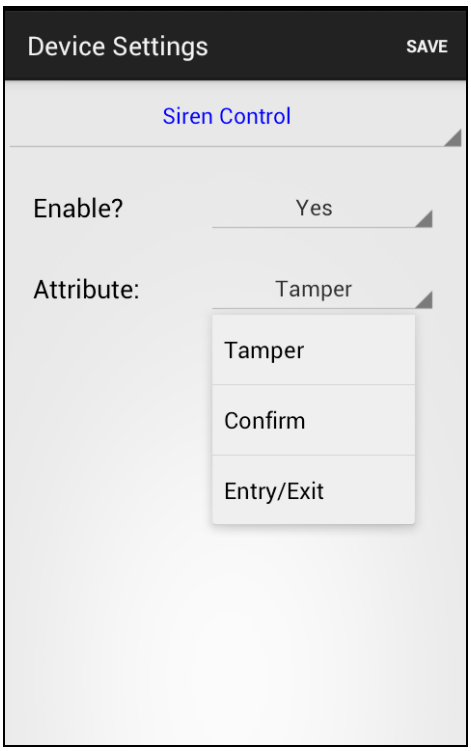


- "**Device Type**" information will only be updated after you successfully synced with the Control Panel



Siren Control

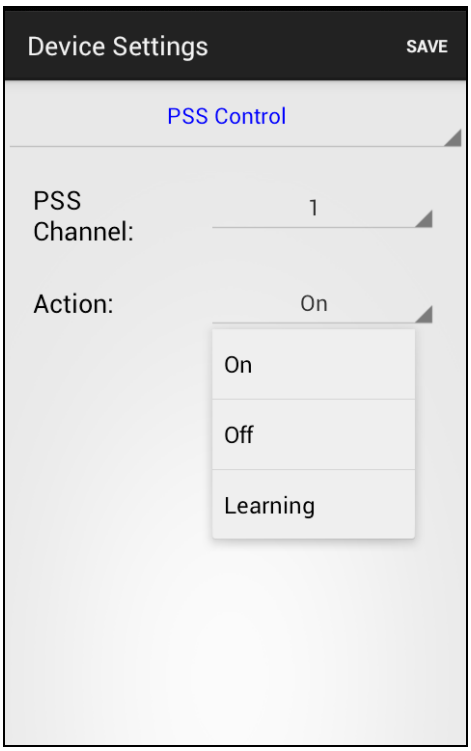
- The Siren Control option allows you to change Siren settings.



- Select the attribute and choose to enable or disable the function.
- Press "**Save**". The phone will send a SMS command to panel.

PSS Control

- The PSS Control option allows you to turn on/off your Power Switch.



- Select the Power Switch group you want to control, then choose to turn on/off the Power Switch.
- Press "**Save**". The phone will send a SMS command to panel.

<NOTE>

☞ PSS learning is not available with Vesta EZ Home. Please ignore this option.

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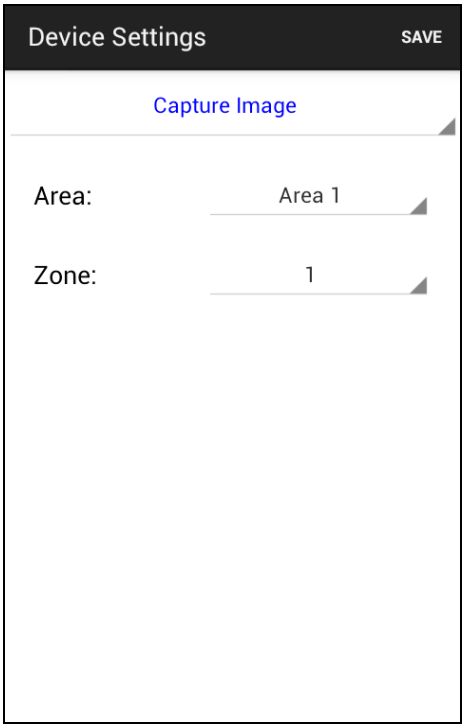
Capture Image

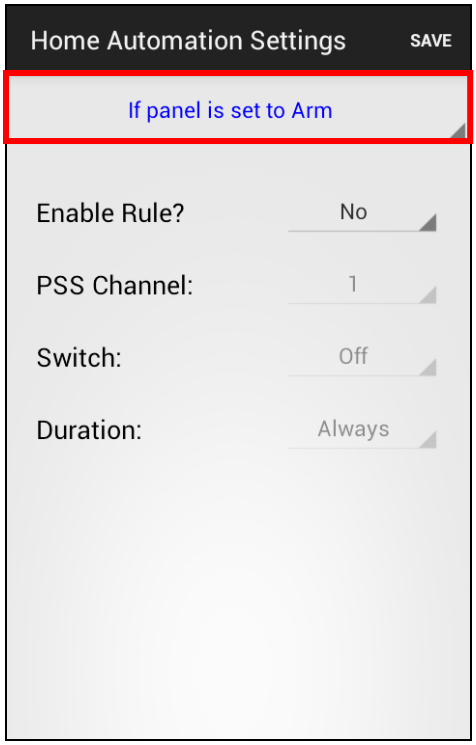
- You can manually request your PIR Camera, PIR Video Camera or IP Camera to take a picture or video. The picture will be sent to the destination programmed under Media Upload section.



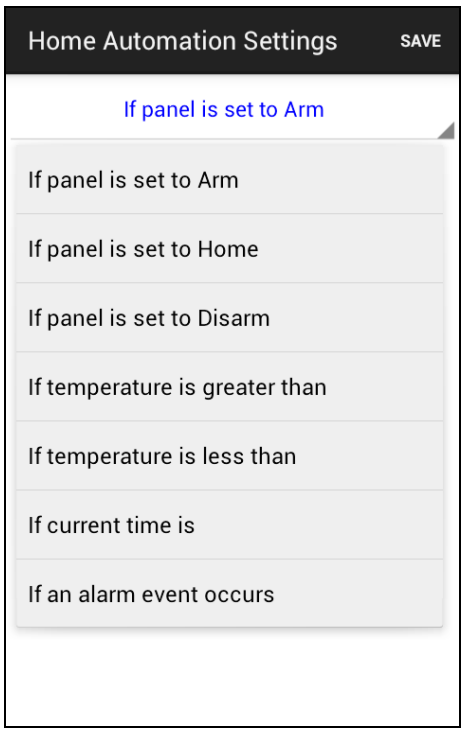
- Select Area 1, then specify the zone number of the PIR Camera you want to take picture, then press "**Save.**" The phone will send a SMS command to panel..

Home Automation Rules

Set Home Automation rules.



- Select the top column to choose different conditions.



- Choose to enable/disable the rule, Power Switch group on/off status and duration. For High and Low temperature, you also need to set the temperature value.

- Press “**Save**”. A SMS message edit screen will appear for you to confirm. The phone will send a SMS command to panel.

<NOTE>

☞ For system mode change (Arm, Home, Disarm), the Power Switch group selection is limited to #1 only.

☞ For High/Low Temperature and Time setting. You can select any Power Switch group from #1 ~ #4.

6. Appendix

6.1. Event Code

- **100 – Medical**
- **101 – Personal emergency**
  - When the Wrist Transmitter / Emergency Pendant (WTR) is pressed.
- **102 – Inactive**
- **110 – Fire**
- **111 – Smoke**
  - When the Smoke Detector (SD) is triggered.
- **114 – Heat**
  - When the Heat Detector (HD) is triggered.
- **120 – Panic**
  - When the Panic Button of the Remote Controller (RC) is pressed.
- **121 – Duress**
  - When the Duress Code is entered to disarm or arm the system.
- **122 – Silent Panic**
  - When the panic button on a Remote Controller (RC) set to silent panic is pressed.
- **130 – Burglar**
  - When any one of the following devices is triggered:
    - The Door Contact (DC) set at **Burglar** (@ **B**)
    - The Door Contact (DC) set at **Delay** (@ **D**)
    - The PIR set at **Burglar** (@ **B**)
    - The PIR set at **Delay** (@ **D**)
- **131 – Burglar Perimeter**
  - When a device set as **Entry** is triggered in away arm mode.
- **132 – Burglar Interior**
  - When a device set at **Entry** is triggered in home arm mode.
- **133 – 24 Hours**
  - When a device set as **24 Hour** is triggered.

- **137 – Panel Tamper**
  - When the Control Panel tamper switch is triggered.
- **139 – Verification / Alarm Confirmation**
- **147 – Sensor Supervisor Failure**
  - When the Control Panel fails to receive the signal transmitted from any one of the devices individually for a preset period.
- **151 – Gas**
- **154 – Water leakage**
  - When a Water Sensor or Door Contact set as **Wate**r is triggered.
- **158 – High Temperature**
  - When the temperature exceeds High Temperature setting.
- **159 – Low Temperature**
  - When the temperature drops below Low Temperature setting.
- **162 – CO detector**
- **301 – AC Failure**
  - When the AC power fails for more than 10 sec.
- **302 – Low Battery**
  - When the battery voltage of the Panel and any one of the devices is low.
- **311 – Panel Battery Missing/Dead**
  - When the Control Panel Battery is missing or disconnected.
- **344 – Interference**
- **374 – Arm with Fault**
  - When fault exists in system, and the system is armed by confirming the arm action. (Arm Fault Type set to Confirm.)
- **380 – Device AC Failure**
  - When an AC power accessory device loses the AC power connection.
- **383 – Device Tamper**
  - When a device's tamper switch is triggered.
- **384 – Device Low Battery**
  - When a device's is under low battery.
- **389 – Self Test Failure**
- **400 – Arm/Disarm (by Remote Controller)**
  - When the system is armed or disarmed by using the Remote Controller.
- **401 – Arm/Disarm by Panel**
  - When the system is armed or disarmed by entering the PIN code.
- **408 – Set/Unset Disarm**
- **407 – Disarm/Away Arm/Home Arm by Remote Keypad**
- **465 – Alarm Reset**
- **570 – Zone Bypass**
  - When fault exists in system, and the system is armed by ignoring the fault event. (Arm Fault Type set to Direct Arm)
- **602 – Periodic test report**
  - When Control Panel makes periodic Check-in reporting.
- **606 - Follow-On Function**
  - When Control Panel reports to CMS to request opening Listen-in function.

Federal Communication Commission Interference Statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15, 22 & 24 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one of the following measures:

. Reorient or relocate the receiving antenna.
. Increase the separation between the equipment and receiver.
. Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
. Consult the dealer or an experienced radio/TV technician for help.

FCC Caution: To assure continued compliance, any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment. (Example - use only shielded interface cables when connecting to computer or peripheral devices).

FCC Radiation Exposure Statement

This equipment complies with FCC RF radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20 centimeters between the radiator and your body.

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

The antennas used for this transmitter must be installed to provide a separation distance of at least 20 cm from all persons and must not be co-located or operating in conjunction with any other antenna or transmitter.

This device complies with Part 15, 22 & 24 of the FCC Rules. Operation is subject to the following two conditions:

(1) This device may not cause harmful interference, and

(2) This device must accept any interference received, including interference that may cause undesired operation.