

# Users' manual of GSM car alarm

## Outstanding features

1. English voice guide
2. SMS command
3. User's defined 4 trigger inputs ( 2 sets of negative trigger and 1 for positive trigger, 1 for negative or positive trigger select by user)
4. User's defined 4 trigger outputs ( 4 sets of negative output)
5. 「IM」**Integration mode**: GSM car alarm can work integrally with Wintectonics' car alarm. Remote control features on GSM alarm will be substituted by the latter alarm system.
6. 「CM」**Combination mode**: GSM car alarm is integrated with other car alarm systems, the original features on GSM alarm will become “ security alert system “. Functions of other features will also be limited.
7. 「SM」**Signal mode**: GSM car alarm can working in signal mode
8. History of 8 commands for reviewing
9. History of 8 trigger record for reviewing
10. Intelligent Ring-controlled function
11. GPS receive and microphone module.

## ◆ Note before system operation

If GSM alarm installation is done by installer for you, your telephone and Password are not exposed.

In this case, renewal of password is recommend. After your password has to be exposed to someone in special case, renew your password for security purpose.

Keep strictly confidential all your private telephone and password,

GSM alarm will response to authorized call from telephone featured with self-identity disclosure. ( For call of different commands, refer to SMS and voice-directory command chart).

◆ **The LED lamp and mode indication**

1. Under arm mode, LED flashed red each 2 sec
2. Under arm mode while GSM is communicating, LED lamp will flash continually.
3. Under disarm mode, LED lamp does not flash.
4. In the area un-covered by the GSM base stations, when GSM alarm enters arm mode, its LED lamp will turn solid ON.

◆ **Alert mode during triggering of system**

➤ **Trigger alert**

If the GSM alarm is triggered, system will auto-dial to M1 number. When M1 rings under this condition, car owner can push button “0” and follow voice directory. If button “0” is not pushed, system will still send SMS to M1 to report alert status like “alarm is triggered”, “car door is opened” and so on. Then the system will auto-dial to M1 for the second time. If no body answers M1’s second ring, the system will auto-dial to M2.

If M1 does not exist in SIM card, the GSM alarm system will fail alert call. So setting of M1 is compulsory.

➤ **Battery low alert**

Car’s battery might be exhausted from lack of re-charging for long time or negligence to turn off some lamps. When system detects battery low condition, it will auto-dial to M1 phone to notify “ Battery is low”. Car owner know battery needs recharging.

➤ **Alert of power disruption(Emergency power supply)**

When system detects power failure either caused by theft or other reasons, it will auto-dial to M1 to report that “power is cut”. Car owner can immediately check the car status.

➤ **Alert against intruder’s call**

If any call ( except call from M1) trying to control GSM alarm, password is requested by the system. When wrong password is noticed, system will immediately interrupt that call and auto-dial to M1 to report that “ Wrong password” and show the number of intruding telephone call.

In this case, M1 can identify the caller and take protective measures. If the intruder’s call has no self-disclosed (caller-ID features , system will reject and cut off any such call.

➤ **False alert prevention**

While sending SMS command from telephone authorized numbers ( ie. M1,M2 recorded in SIM card), if caused by wrong password or command is received by GSM alarm, the system will report wrong messages only maximum 5 times. It will stop auto-dial after 5 times. This is to avoid cost in repeatedly sending SMS message. Refer to manual for details.

To clear alert prevention mode, use authorized phone numbers ( only M1 does not need password) to re-send correct SMS command. The system alert report system will get back to normal work.

➤ **Reviewing history of commands**

Whenever any command is sent to arm or to disarm the system , system will record all commands along with date ,time and car status in its memory. This history of commands can be viewed via the mobile screen just by sending SMS command to the system.

➤ **Reviewing history of trigger records**

Whenever system is triggered, the system will record all triggers along with date, time and car status in its memory.

This history of triggers can be viewed via the mobile screen just by sending SMS command to the system.

For any triggering in an area out of GSM coverage, the system will record all triggers for user to later check it via mobile phone when GSM signal is accessible.

➤ **Intelligent Ring-controlled function**

This enables car owner to make system auto-arm or auto-disarm by allowing system to ring a number of times. This features can help him ( only for M1 phone) save GSM air-time fees.

- After a command is sent to GSM alarm system and wait and listen to different rings by system as below.
- To arm : Allow 1~2 ring times and hang up: System will auto-arm and confirm back arm-mode after 10 sec. Car owner can hear one ring as confirmation.
- To dis-arm: Allow 1~2 ring times and hang up: System will auto-disarm without allowing system to send feedback call. This function is desired when car owner is not far away from his car.
- To listen to command list: Allow 3 ring times (do not hang up) and wait to listen to command list reported by system and then choose the desired command.

➤ **Restoring to factory default**

User can program the channel output time, option device name of output, language option and history check. He can make system to default setting by the

**following procedures.**

**Use M1 phone to send command like 0 0 9 9 0 1.**

**At the factory default, the personalized Channel option will be deleted. To re-set them will clear all the previous record and system's language will restore to English version. It is recommended to notify your installer before you decide default it.**

## [IM]-Integration mode user manual

### ◆ SIM card setting

1. Procedure for PIN CODE setting. You need a cell phone and new SIM card. Firstly, try to validate SIM card in the following steps strictly.
2. Close PIN code function
3. Delete clearly all data in the phonebooks and SMS messages
4. **CM mode setting: Use mobile phone to type 「IM」 name and save it in SIM card.**
5. **Password setting : Use mobile phone to type in 4-digit random number (as password) and name it PW.**
6. **In the same way, use mobile phone to type in another 4-digit random numbers and save under phone book to be named as PS. The password will be requested when renewal of M1 is desired.**
7. **Setting of M1xy ( car owner's mobile number). Use mobile phone to type in car owners' number under phone book to be named as M1xy, When x=1 Trigger alert will be auto-dialed to the number registered in M1. When y=1 Trigger alert will be send SMS to M1.**  
**In the same way, set second mobile number under phone book to be named as M2xy.**  
**EX: M111= Trigger alert will be auto-dialed to the number registered in M1 and send SMS to M1.**  
**M101= Trigger alert will **not** be auto-dialed to the number registered in M1 but will be send SMS to M1.**  
**M110= Trigger alert will be auto-dialed to the number registered in M1, but will **not** be send SMS to M1.**  
**M100= Trigger alert will **not** be auto-dialed to the number registered in M1 and **not** be send SMS to M1.**  
**Note: Do not set phone number in M2xy M3xy and M4xy to be the same as in M1xy.**
8. Unplug the GSM car alarm first. Re-power after the SIM card is installed.
9. When M1 phone receives SMS to show activation, the system is installed successfully.

### Notes:

- ◆ The repetition of telephone numbers in M1,M2,M3 and M4 must be available.
- ◆ Lack of **IM mode**, **PW** and **M1xy** setting will fail system to operate.
- ◆ All the numbers of M1xy, M2xy, M3xy, M4xy and PW, PS must be stored in SIM card. To verify this, press button 「1」 and then 「#」 of the mobile phone to see telephone book and use up/down button to scroll the screen.
- ◆ GSM alarm must be unplugged from power source before inserting SIM card and taking it out.
- ◆ After CM mode is activated, arm and disarm GSM alarm system can no longer be controlled by any SMS or following voice directory. The control of system can only be done by original alarm system.

◆ During system trigger, GSM alarm will auto-dial to M1 to report alert. M1 can only operate commands 10、11、12、13、14、16、17、20、21、30、31、40、41、42、43、44、47、50、51、60、61、81、82、83、84 by following voice directory. All other commands by voice directory cannot be operated.

◆ SIM card phone book example for 「IM」 mode:



◆ [IM]-List of command controlled by means of SMS or choice of voice directory

M 1 DTMF	M2~M4 DTMF	M 1 SMS	M2~M4 SMS	Command s	Function	Example of command ( Here password is assumed to be 1234 and PS 5678)	SMS reply message
		V	V	01	To review executed commands (series 01 ~ 08 ) 01 is the most recent command and 08 is the last one	01 series number ( if command is done from M1) e.g. 0103 is command to check the recent 3 <sup>rd</sup> record. If command is <b>not</b> done by M1: 0 1 0 0 password 0 3 e.g 0 1 0 0 1 2 3 4 0 3 is command to check the recent 3 <sup>rd</sup> record from other phone instead of M1.	If remote enter arm SMS Message: <a href="#">Control record:1</a> <a href="#">09.08.19</a> <a href="#">10:33:35</a> <a href="#">Arm</a> <a href="#">Lock</a>
		V	V	02	To review the trigger records ( series 01~08) 01 is the most recent trigger record and 08 is the last one	02 series number ( if command is done from M1) e.g. 0202 is command to check the recent 2 <sup>nd</sup> trigger record. If command is <b>not</b> done by M1: 0 2 0 0 password 0 2 e.g 0 2 0 0 1 2 3 4 0 2 is command to check the recent 2 <sup>nd</sup> trigger record from other phone instead of M1	If door open trigger SMS Message: <a href="#">Trigger record:1</a> <a href="#">09.08.19</a> <a href="#">10:35:38</a> <a href="#">Alarm trigger</a> <a href="#">Door open</a>
		V	V	03	To review the device option set by CH1 、CH2 、CH3 、CH4	If command is <b>not</b> done by M1, please add password.	71,72,73,74(CH1~CH4 input) default are Mode 1(trigger input). SMS Message: <a href="#">CH1 input, Text:</a> <a href="#">CH1 input on Mode:1</a> <a href="#">CH2 input, Text:</a> <a href="#">CH2 input on Mode:1</a> <a href="#">CH3 input, Text:</a> <a href="#">CH3 input on Mode:1</a> <a href="#">CH4 input, Text:</a> <a href="#">CH4 input on Mode:1</a>
		V	V	04	To review device option being set and output time on CH1 、CH2 、CH3 、CH4	If command is <b>not</b> done by M1, please add password.	81,82,83,84(CH1~CH4 output) default are turn off. SMS Message: <a href="#">The function disable</a>

M 1 DTMF	M2~M4 DTMF	M 1 SMS	M2~M4 SMS	Command s	Function	Example of command ( Here password is assumed to be 1234 and PS 5678)	SMS reply message
							<p>Please refer to only executable by M1 table</p> <p>If 81,82,83,84 channel are turn on.</p> <p>SMS Message:</p> <p><a href="#">CH1 output, Text: trunk</a></p> <p><a href="#">Timer:5</a></p> <p><a href="#">CH2 output, Text: window</a></p> <p><a href="#">Timer:10</a></p> <p><a href="#">CH3 output, Text: dome light</a></p> <p><a href="#">Timer:15</a></p> <p><a href="#">CH4 output, Text: driving mirror</a></p> <p><a href="#">Timer:20</a></p>
		V		06	To check PW	If command is <b>not</b> done by M1, please add <a href="#">password.</a>	SMS Message: <a href="#">1234</a>
		V	V	07	To check the TEL numbers of M1、M2、M3、M4	If command is <b>not</b> done by M1, please add <a href="#">password.</a>	SMS Message: <a href="#">M111:0961008773</a>
		V	V	08	To check GPS service information.	If command is <b>not</b> done by M1, please add <a href="#">password.</a>	<p>SMS Message:</p> <p><b>Wintec's phone number</b></p> <p><a href="#">[ARS]= Server phone number +886961122525</a></p> <p><b>Wintec's phone number</b></p> <p><a href="#">[ASS]=Service center phone number +886282273601</a></p> <p><b>Wintec's server</b></p> <p><a href="#">[SWS]= Server website address http://tw.efotv.com/sales/en/</a></p> <p><b>Wintec's server</b></p> <p><a href="#">[GWS]= GPRS website address http://tw.efotv.com/g/?mapdata</a></p>
		V	V	09	System Info report.	If command is <b>not</b> done by M1, please add <a href="#">password.</a>	<p>SMS Message:</p> <p><a href="#">[IM] mode</a></p> <p><a href="#">VER:B2</a></p> <p><a href="#">GSM:18</a> (signal strength)</p> <p><a href="#">BAT:12:21V</a></p>

M 1 DTMF	M2~M4 DTMF	M 1 SMS	M2~M4 SMS	Command s	Function	Example of command ( Here password is assumed to be 1234 and PS 5678)	SMS reply message
							<47>:on (Car moving alert)
V	V	V	V	10	To Disarm	Need connect with Wintec's car alarm system. If command is <b>not</b> done by M1, please add <b>password</b> .	SMS Message: <u>GSM:14</u> <u>Disarm</u> <u>Unlock</u>
V	V	V	V	11	To ARM	Need connect with Wintec's car alarm system. If command is <b>not</b> done by M1, please add <b>password</b> .	SMS Message: <u>GSM:14</u> <u>Arm</u> <u>Lock</u>
V	V	V	V	12	To able pre-warn of shock sensor # 1 ( 2 <sup>nd</sup> stage sensor is by passed)	Need connect with Wintec's car alarm system. If command is <b>not</b> done by M1, please add <b>password</b> .	<b>This command we need to modify main system software.</b> SMS Message: <u>GSM:14</u> <u>GPS:09</u> <u>Control fail</u> <u>Arm</u> <u>Lock</u>
V	V	V	V	13	To able pre-warn of shock sensor # 2 ( 2 <sup>nd</sup> stage sensor is by passed)	Need connect with Wintec's car alarm system. If command is <b>not</b> done by M1, please add <b>password</b> .	<b>This command we need to modify main system software.</b> SMS Message: <u>GSM:14</u> <u>GPS:09</u> <u>Control fail</u> <u>Arm</u> <u>Lock</u> <u>Shock sensor bypass</u>
V	V	V	V	14	To bypass pre-warn of shock sensor # 1	Need connect with Wintec's car alarm system. If command is <b>not</b> done by M1, please add <b>password</b> .	SMS Message: <u>GSM:14</u> <u>GPS:09</u> <u>Arm</u> <u>Lock</u> <u>Light shock sensor bypass</u>
V				16	To arm and disconnect	GSM will call to M1 one sound after enter arm.	No SMS Message
V				17	To disarm and disconnect		No SMS Message
V		V		20	To remote engine shut down	Need connect with Wintec's car alarm system, and only M1 is allowed for these function.	SMS Message: <u>GSM:14</u> <u>GPS:09</u> <u>Arm</u> <u>Lock</u> <u>Engine running</u>

M 1 DTMF	M2~M4 DTMF	M 1 SMS	M2~M4 SMS	Command s	Function	Example of command ( Here password is assumed to be 1234 and PS 5678)	SMS reply message
V		V		21	To remote engine start	Need connect with Wintec's car alarm system, and only M1 is allowed for these function.	SMS Message: <u>GSM:14</u> <u>GPS:09</u> <u>Arm</u> <u>Lock</u>
V				26	To remote engine start and disconnect	Need connect with Wintec's car alarm system, and only M1 is allowed for these function. GSM will call to M1 one sound after engine running success.	No SMS Message
V		V		30	To de-carjack off	Need connect with Wintec's car alarm system, and only M1 is allowed for these function.	SMS Message: <u>GSM:15</u> <u>GPS:09</u> <u>Disarm</u> <u>Unlock</u> <u>Ignition on</u>
V		V		31	To carjack on	Need connect with Wintec's car alarm system, and only M1 is allowed for these function.	SMS Message: <u>GSM:15</u> <u>GPS:09</u> <u>Arm</u> <u>Lock</u> <u>Anti-hijack</u> <u>Ignition on</u>
V	V	V	V	40	To check GPS position on text mode.	If command is <b>not</b> done by M1, please add <b>password</b> .	SMS Message: <u>OK(09)</u> <u>13:28:08 09/08/19</u> <u>XY</u> <u>121.485488E</u> <u>24.997364N</u> <u>DMS:</u> <u>121.29.07E</u> <u>24.59.50N</u> <u>0 km/h</u>
V	V	V	V	41	To check car status	Need connect with Wintec's car alarm system. If command is <b>not</b> done by M1, please add <b>password</b> .	SMS Message: <u>GSM:14</u> <u>GPS:08</u> <u>BAT:13.38</u> <u>Disarm</u> <u>Unlock</u>
V	V	V	V	43	To check GPS position via GPRS.	If command is <b>not</b> done by M1, please add <b>password</b> .	<b>Wintec's server</b> SMS Message: <43>:

M 1 DTMF	M2~M4 DTMF	M 1 SMS	M2~M4 SMS	Command s	Function	Example of command ( Here password is assumed to be 1234 and PS 5678)	SMS reply message
							<a href="http://tw.efotv.com/g/?mapdata=01.1234xxxxxxxxxxxxxxxx...etc">http://tw.efotv.com/g/?mapdata=01.1234xxxxxxxxxxxxxxxx...etc</a>
V	V			44	To check car status report by SMS	( only M1~M4 are allowed for this function)	No SMS Message
V		V		47	To turn on/off car moving alert. (one time)		<b>Wintec's server</b> SMS Message: <a href="http://tw.efotv.com/g/?mapdata=01.1234xxxxxxxxxxxxxxxx...etc">&lt;47:on http://tw.efotv.com/g/?mapdata=01.1234xxxxxxxxxxxxxxxx...etc</a>
V		V		50	valet mode off	Need connect with Wintec's car alarm system, and only M1 is allowed for these function.	SMS Message: <a href="#">GSM:18</a> <a href="#">GPS:09</a> <a href="#">Disarm</a> <a href="#">Unlock</a>
V		V		51	To enter valet mode	Need connect with Wintec's car alarm system, and only M1 is allowed for these function.	SMS Message: <a href="#">GSM:18</a> <a href="#">GPS:09</a> <a href="#">Disarm</a> <a href="#">Unlock</a> <a href="#">Valet mode</a>
V				60	Voice monitor off		No SMS Message
V				61	Voice monitor on		No SMS Message
V	V	V	V	81	To output on CH1 and delete output Output time is decided by the user	If command is done from M1 81 If command is from other phones instead of M1 8 1 0 0 <b>password</b> e.g. :8 1 0 0 <b>1 2 3 4</b>	SMS Message: <a href="#">GSM:16</a> <a href="#">GPS:09</a> <a href="#">Disarm</a> <a href="#">unlock</a> <a href="#">trunk open</a> (User define, please refer to only executable by M1 table)
V	V	V	V	82	To output on CH2 and delete output Output time is decided by the user	If command is done from M1 82 If command is from other phones instead of M1 8 2 0 0 <b>password</b> e.g. :8 2 0 0 <b>1 2 3 4</b>	SMS Message: <a href="#">GSM:16</a> <a href="#">GPS:09</a> <a href="#">Disarm</a> <a href="#">unlock</a> <a href="#">window</a> (User define, please refer to only executable by M1 table)
V	V	V	V	83	To output on CH3 and delete output Output time is decided by the user	If command is done from M1 83 If command is from other phones instead of M1 8 3 0 0 <b>password</b> e.g. :8 3 0 0 <b>1 2 3 4</b>	SMS Message: <a href="#">GSM:17</a> <a href="#">GPS:09</a> <a href="#">Disarm</a>

M 1 DTMF	M2~M4 DTMF	M 1 SMS	M2~M4 SMS	Command s	Function	Example of command ( Here password is assumed to be 1234 and PS 5678)	SMS reply message
							<a href="#">unlock</a> <a href="#">dome light</a> (User define, please refer to only executable by M1 table)
V	V	V	V	84	To output on CH4 and delete output Output time is decided by the user	If command is done from M1 84 If command is from other phones instead of M1 8 4 0 0 <a href="#">password</a> e.g. :8 4 0 0 <a href="#">1 2 3 4</a>	SMS Message: <a href="#">GSM:17</a> <a href="#">GPS:09</a> <a href="#">Disarm</a> <a href="#">unlock</a> <a href="#">driving mirror</a> (User define, please refer to only executable by M1 table)
			V	99	High priority to renewal M1. (M1 lose etc.)	9 9 0 0 PW 0 0 PS 0 0 XY 0 0 New M1 number 9 9 0 0 1 2 3 4 <a href="#">0 0</a> 5 6 7 8 <a href="#">0 0</a> XY <a href="#">0 0</a> X X X X X X X X X X X = 1 Trigger Call enable Y = 1 Trigger SMS enable X = 0 Trigger Call disable Y = 0 Trigger SMS disable	<b>Must use other phone number.</b> <b>EX:</b> <a href="#">990012340056780010000961008772</a> SMS Message: <a href="#">M110:0961008772</a>
		V	V	*...#	USSD command request and string report by SMS.		<b>Pre-paid phone card</b>
					M1~M4 Users send to GSM alarm wrong or not exist command.		SMS Message: <a href="#">GSM:16</a> <a href="#">SMS format error</a>
					M2~M4 Users send to GSM alarm command, but password is wrong.		SMS Message: <a href="#">GSM:16</a> <a href="#">SMS password error</a>

◆ [IM]-List of commands only executable by M1

M 1 DTMF	M2~M4 DTMF	M 1 SMS	M2~M4 SMS	Commands	Function	Example of command ( Here password is assumed to be 1234 and PS 5678)
		V		00	[0000] To renew PW	0 0 0 0 new PW e.g. 0 0 0 0 X X X X
		V		01	[0001] To renew TEL number of M1 X = 1 Trigger Call enable Y = 1 Trigger SMS enable X = 0 Trigger Call disable Y = 0 Trigger SMS disable	0 0 0 1 X Y 0 0 new tel number of M1 e.g. 0 0 0 1 1 1 0 0 X X X X X X X X X X  Delete M1 TEL number: 0 0 0 1 0 0 0
		V		02	[0002] To renew TEL number of M2 X = 1 Trigger Call enable Y = 1 Trigger SMS enable X = 0 Trigger Call disable Y = 0 Trigger SMS disable	0 0 0 2 X Y 0 0 new tel number of M2 e.g. 0 0 0 2 1 1 0 0 X X X X X X X X X X  Delete M2 TEL number: 0 0 0 2 0 0 0
		V		03	[0003] To renew TEL number of M3 X = 1 Trigger Call enable Y = 1 Trigger SMS enable X = 0 Trigger Call disable Y = 0 Trigger SMS disable	0 0 0 3 X Y 0 0 new tel number of M3 e.g. 0 0 0 3 1 1 0 0 X X X X X X X X X X  Delete M3 TEL number: 0 0 0 3 0 0 0
		V		04	[0004] To renew TEL number of M4 X = 1 Trigger Call enable Y = 1 Trigger SMS enable X = 0 Trigger Call disable Y = 0 Trigger SMS disable	0 0 0 4 X Y 0 0 new tel number of M4 e.g. 0 0 0 4 1 1 0 0 X X X X X X X X X X  Delete M4 TEL number: 0 0 0 4 0 0 0
		V		40	[0040] GPS –Periodical SMS report for text mode. Status option: 0 =OFF 1~1440=1~1440 min	0 0 4 0 Status option e.g. 0 0 4 0 120
		V		41	[0041] GPS - Smart position report after M1 calling . Status option: 00=OFF 01=ON	0 0 4 1 Status option e.g. 0 0 4 1 01
		V		43	[0043]	0 0 4 3 Status option

M 1 DTMF	M2~M4 DTMF	M 1 SMS	M2~M4 SMS	Commands	Function	Example of command ( Here password is assumed to be 1234 and PS 5678)
					GPS –Periodical SMS report for WAP link. Status option: 0 =OFF 1~1440=1~1440 min	e.g. 0 0 4 3 120
		V		45	[0045] GPS – Setting the range of activities. Status option: 0=OFF 1~999=1~999km	0 0 4 5 Status option e.g. 0 0 4 5 100
		V		46	[0046] GPS – Setting the speed limit. Status option: 0=OFF 1~999=1~999km/h	0 0 4 6 Status option e.g. 0 0 4 6 100
		V		47	[0047] GPS – Setting car moving alert for arm mode.. Status option: 0=OFF 1=ON	0 0 4 7 Status option e.g. 0 0 4 7 1
		V		49	[0049] GPS – Disable all report function.<40,42,43,45,46> Status option: 0 = Confirm	0 0 4 9 Status option e.g. 0 0 4 9 0
		V		50	[0050] To renew PS	0 0 5 0 new PS e.g. 0 0 5 0 X X X X
		V		71 72 73 74  (The 74 device input only available in [IM],[SM] mode)	[0071]: [0072]: [0073]: [0074]: Option device change on CH1 trigger input(-) (e.g. Door Open) <b>Normal mode-[TEXT]</b> user define text <b>Special mode-[CLASS]:</b> 0 = CH1 default 1 = Door 2 = Hood 3 = Trunk 4 = Brake 5 = Engine warm up is on 6 = Siren crying Other word= user define text <b>[Mode] :</b> 0 = not things 1 =Trigger input ( Call + SMS )	<b>Normal mode:</b> 0 0 7 1 + [Text] # [Mode] e.g. 0 0 7 1 Door Open # 1  <b>maximum 15 alphabets allowed to name device</b>  <b>Special mode:</b> 0 0 7 1 + [CLASS] # [Mode] e.g. 0 0 7 1 + 1 # 1

M 1 DTMF	M2~M4 DTMF	M 1 SMS	M2~M4 SMS	Commands	Function	Example of command ( Here password is assumed to be 1234 and PS 5678)
					2 =Incident input ( Call + SMS ) 3 =Incident input ( SMS )	
		V		81 82 83 84	<p>[0081]: [0082]: [0083]: [0084 ]:</p> <p>Option device change on CH1 output(-) ( e.g. dome light) and lighting time Output time:20 seconds</p> <p><b>Normal mode-[TEXT]</b> user define text</p> <p><b>Special mode-[CLASS]:</b> 1 = Switch to Arm 2 = Switch to Disarm 3 = Switch to Arm or Disarm 4 = Voice monitor 5 = Trigger output 6 = CH1 input active 7 = CH2 input active 8 = CH3 input active 9 = CH4 input active A= GPS LED Other word= user define text</p> <p><b>[Timer] :</b> 0 = Disable 1~9998 = 1~9998 second 9999 = On/Off</p>	<p><b>Normal mode:</b> 0 0 8 1 + [Text] # [Timer] e.g. 0 0 8 1 + trunk open # 5 Note: #5 means output time is 5 sec</p> <p>e.g. 0 0 8 2+window#10 Note: #10 means output time is 10 sec</p> <p>e.g. 0 0 8 3+dome light#15 Note: #15 means output time is 15 sec</p> <p>e.g. 0 0 8 4+driving mirror#20 Note: #20 means output time is 20 sec</p> <p><b>maximum 15 alphabets allowed to name device</b></p> <p><b>Special mode:</b> 0 0 8 1 + [CLASS] # [Timer] e.g. 0 0 8 1 + 1 # 2</p>
		V		91	<p>[0091]</p> <p><b>Intelligent Ring-controlled for Arm/Disarm</b> 00=Off 01=On</p>	<p>0 0 9 1 <b>option</b> e.g. 0 0 9 1 0 1</p>
		V		92	<p>[0092]</p> <p>System disarm report 00=Off 01=SMS report 02=CALL report</p>	<p>0 0 9 2 <b>option</b> e.g. 0 0 9 2 0 1</p>
		V		94	<p>[0094]</p> <p>M2 limits of authority equal to M1.</p>	<p>0 0 9 4 <b>option</b> e.g. 0 0 9 4 0 1</p>

M 1 DTMF	M2~M4 DTMF	M 1 SMS	M2~M4 SMS	Commands	Function	Example of command ( Here password is assumed to be 1234 and PS 5678)
					00=Off 01= On	
		V		95	[0095] Disable any phone control(Only by M1~M4 phone number can call-in) 00=Off 01= On	0 0 9 5 option e.g. 0 0 9 5 0 1
		V		98	[0098] To change GPS service information [ ARS ] = Server phone number [ ASS ] = Service center phone number [ SWS ] = Server website address [ GWS ] = GPRS website address	0 0 9 8 # [ ARS ] , [ ASS ] , [ SWS ] , [ GWS ] # e.g. 0 0 9 8 # +886961122525 , +886961008772 , <a href="http://tw.efotv.com">http://tw.efotv.com</a> , <a href="http://tw.efotv.com/g/?mapdata=#">http://tw.efotv.com/g/?mapdata=#</a>  e.g. 0 0 9 8 # +886961122525 , , , <a href="http://tw.efotv.com/g/?mapdata=#">http://tw.efotv.com/g/?mapdata=#</a>
		V		99	[0099] To restore to factory default Status option: 01= to confirm	0 0 9 9 option e.g. 0 0 9 9 0 1

**Notes: While renewing M1 telephone number, if its new number is same as any of M2.**

**e.g.If the existing number are M1:0910123456 、M2:0910456789 、M3:0910222333. If M3 number is changed to M1, the M3 becomes void. Therefore the system will have M1:0910222333 、M2:0910456789 afterwards.**

## [CM]-Combination mode user manual

### ◆ SIM card setting

1. Procedure for PIN CODE setting. You need a cell phone and new SIM card. Firstly, try to validate SIM card in the following steps strictly.
2. Close PIN code function
3. Delete clearly all data in the phonebooks and SMS messages
4. **CM mode setting: Use mobile phone to type 「 CM 」 name and save it in SIM card.**
5. **Password setting : Use mobile phone to type in 4-digit random number (as password) and name it PW.**
6. **In the same way, use mobile phone to type in another 4-digit random numbers and save under phone book to be named as PS. The password will be requested when renewal of M1 is desired.**
7. **Setting of M1xy ( car owner's mobile number). Use mobile phone to type in car owners' number under phone book to be named as M1xy, When x=1 Trigger alert will be auto-dialed to the number registered in M1. When y=1 Trigger alert will be send SMS to M1.**  
**In the same way, set second mobile number under phone book to be named as M2xy.**  
**EX: M111= Trigger alert will be auto-dialed to the number registered in M1 and send SMS to M1.**  
**M101= Trigger alert will **not** be auto-dialed to the number registered in M1 but will be send SMS to M1.**  
**M110= Trigger alert will be auto-dialed to the number registered in M1, but will **not** be send SMS to M1.**  
**M100= Trigger alert will **not** be auto-dialed to the number registered in M1 and **not** be send SMS to M1.**  
**Note: Do not set phone number in M2xy M3xy and M4xy to be the same as in M1xy.**
8. Unplug the GSM car alarm first. Re-power after the SIM card is installed.
9. When M1 phone receives SMS to show activation, the system is installed successfully.

### Notes:

- ◆ The repetition of telephone numbers in M1,M2,M3 and M4 must be available.
- ◆ Lack of **CM mode, PW** and **M1xy** setting will fail system to operate.
- ◆ All the numbers of M1xy, M2xy, M3xy, M4xy and PW, PS must be stored in SIM card. To verify this, press button 「 1 」 and then 「 # 」 of the mobile phone to see telephone book and use up/down button to scroll the screen.
- ◆ GSM alarm must be unplugged from power source before inserting SIM card and taking it out.
- ◆ After CM mode is activated, arm and disarm GSM alarm system can no longer be controlled by any SMS or following voice directory. The control of system can only be done by original alarm system.

◆ During system trigger, GSM alarm will auto-dial to M1 to report alert. M1 can only operate commands 40、41、43、44、47、60、61、81、82、83、84 by following voice directory. All other commands by voice directory cannot be operated.

◆ SIM card phone book example for 「CM」 mode:



◆ [CM]-List of command controlled by means of SMS or choice of voice directory

M 1 DTMF	M2~M4 DTMF	M 1 SMS	M2~M4 SMS	Command s	Function	Example of command ( Here password is assumed to be 1234 and PS 5678)	SMS reply message
		V	V	01	To review executed commands (series 01 ~ 08 ) 01 is the most recent command and 08 is the last one	01 series number ( if command is done from M1) e.g. 0103 is command to check the recent 3 <sup>rd</sup> record. If command is <b>not</b> done by M1: 0 1 0 0 password <b>0 3</b> e.g 0 1 0 0 1 2 3 4 0 3 is command to check the recent 3 <sup>rd</sup> record from other phone instead of M1.	If remote enter arm SMS Message: <a href="#">Control record:1</a> <a href="#">09.08.19</a> <a href="#">10:33:35</a> <a href="#">Arm</a> <a href="#">Lock</a>
		V	V	02	To review the trigger records ( series 01~08) 01 is the most recent trigger record and 08 is the last one	02 series number ( if command is done from M1) e.g. 0202 is command to check the recent 2 <sup>nd</sup> trigger record. If command is <b>not</b> done by M1: 0 2 0 0 password <b>0 2</b> e.g 0 2 0 0 1 2 3 4 0 2 is command to check the recent 2 <sup>nd</sup> trigger record from other phone instead of M1	If door open trigger SMS Message: <a href="#">Trigger record:1</a> <a href="#">09.08.19</a> <a href="#">10:35:38</a> <a href="#">Alarm trigger</a> <a href="#">Door open</a>
		V	V	03	To review the device option set by CH1 、CH2 、CH3 、CH4	If command is <b>not</b> done by M1, please add password.	71,72,73,74(CH1~CH4 input) default are Mode 1(trigger input). SMS Message: <a href="#">CH1 input, Text:</a> <a href="#">CH1 input on Mode:1</a> <a href="#">CH2 input, Text:</a> <a href="#">CH2 input on Mode:1</a> <a href="#">CH3 input, Text:</a> <a href="#">CH3 input on Mode:1</a> <a href="#">CH4 input, Text:</a> <a href="#">CH4 input on Mode:1</a>
		V	V	04	To review device option being set and output time on CH1 、CH2 、CH3 、CH4	If command is <b>not</b> done by M1, please add password.	81,82,83,84(CH1~CH4 output) default are turn off. SMS Message: <a href="#">The function disable</a>

M 1 DTMF	M2~M4 DTMF	M 1 SMS	M2~M4 SMS	Command s	Function	Example of command ( Here password is assumed to be 1234 and PS 5678)	SMS reply message
							<p>Please refer to only executable by M1 table</p> <p>If 81,82,83,84 channel are turn on.</p> <p>SMS Message:</p> <p><u>CH1 output, Text: trunk</u></p> <p><u>Timer:5</u></p> <p><u>CH2 output, Text: window</u></p> <p><u>Timer:10</u></p> <p><u>CH3 output, Text: dome light</u></p> <p><u>Timer:15</u></p> <p><u>CH4 output, Text: driving mirror</u></p> <p><u>Timer:20</u></p>
		V		06	To check PW	If command is <b>not</b> done by M1, please add <u>password.</u>	SMS Message: <u>1234</u>
		V	V	07	To check the TEL numbers of M1 、 M2 、 M3 、 M4	If command is <b>not</b> done by M1, please add <u>password.</u>	SMS Message: <u>M111:0961008773</u>
		V	V	08	To check GPS service information.	If command is <b>not</b> done by M1, please add <u>password.</u>	<p>SMS Message:</p> <p><b>Wintec's phone number</b></p> <p><u>[ARS]= Server phone number</u></p> <p><u>+886961122525</u></p> <p><b>Wintec's phone number</b></p> <p><u>[ASS]=Service center phone number</u></p> <p><u>+886282273601</u></p> <p><b>Wintec's server</b></p> <p><u>[SWS]= Server website address</u></p> <p><u>http://tw.efotv.com/sales/en/</u></p> <p><b>Wintec's server</b></p> <p><u>[GWS]= GPRS website address</u></p> <p><u>http://tw.efotv.com/g/?mapdata</u></p>
		V	V	09	System Info report.	If command is <b>not</b> done by M1, please add <u>password.</u>	<p>SMS Message:</p> <p><u>[IM] mode</u></p> <p><u>VER:B2</u></p> <p><u>GSM:18</u> (signal strength)</p> <p><u>BAT:12:21V</u></p>

M 1 DTMF	M2~M4 DTMF	M 1 SMS	M2~M4 SMS	Command s	Function	Example of command ( Here password is assumed to be 1234 and PS 5678)	SMS reply message
							<a href="#">&lt;47&gt;:on</a> (Car moving alert)
V	V	V	V	40	To check GPS position on text mode.	If command is <b>not</b> done by M1, please add <b>password</b> .	SMS Message: <a href="#">OK(09)</a> <a href="#">13:28:08 09/08/19</a> <a href="#">XY</a> <a href="#">121.485488E</a> <a href="#">24.997364N</a> <a href="#">DMS:</a> <a href="#">121.29.07E</a> <a href="#">24.59.50N</a> <a href="#">0 km/h</a>
V	V	V	V	41	To check car status	If command is <b>not</b> done by M1, please add <b>password</b> .	SMS Message: <a href="#">GSM:14</a> <a href="#">GPS:08</a> <a href="#">BAT:13.38</a> <a href="#">Disarm</a> <a href="#">Unlock</a>
V	V	V	V	43	To check GPS position via GPRS.	If command is <b>not</b> done by M1, please add <b>password</b> .	<b>Wintec's server</b> SMS Message: <a href="#">&lt;43&gt;:</a> <a href="#">http://tw.efotv.com/g/?mapdata=01.1234xxxxxxxxxxxxxxxx...etc</a>
V	V			44	To check car status report by SMS	( only M1~M4 are allowed for this function)	No SMS Message
V		V		47	To turn on/off car moving alert. (one time)		<b>Wintec's server</b> SMS Message: <a href="#">&lt;47&gt;:on</a> <a href="#">http://tw.efotv.com/g/?mapdata=01.1234xxxxxxxxxxxxxxxx...etc</a>
V				60	Voice monitor off		No SMS Message
V				61	Voice monitor on		No SMS Message
V	V	V	V	81	To output on CH1 and delete output Output time is decided by the user	If command is done from M1 81 If command is from other phones instead of M1 <b>8 1 0 0 password</b> e.g. : <b>8 1 0 0 1 2 3 4</b>	SMS Message: <a href="#">GSM:16</a> <a href="#">GPS:09</a> <a href="#">Disarm</a> <a href="#">unlock</a> <a href="#">trunk open</a> (User define, please refer to only executable by M1 table)

M 1 DTMF	M2~M4 DTMF	M 1 SMS	M2~M4 SMS	Command s	Function	Example of command ( Here password is assumed to be 1234 and PS 5678)	SMS reply message
V	V	V	V	82	To output on CH2 and delete output Output time is decided by the user	If command is done from M1 82 If command is from other phones instead of M1 8 2 0 0 password e.g. :8 2 0 0 1 2 3 4	SMS Message: <a href="#">GSM:16</a> <a href="#">GPS:09</a> <a href="#">Disarm</a> <a href="#">unlock</a> <a href="#">window</a> (User define, please refer to only executable by M1 table)
V	V	V	V	83	To output on CH3 and delete output Output time is decided by the user	If command is done from M1 83 If command is from other phones instead of M1 8 3 0 0 password e.g. :8 3 0 0 1 2 3 4	SMS Message: <a href="#">GSM:17</a> <a href="#">GPS:09</a> <a href="#">Disarm</a> <a href="#">unlock</a> <a href="#">dome light</a> (User define, please refer to only executable by M1 table)
V	V	V	V	84	To output on CH4 and delete output Output time is decided by the user	If command is done from M1 84 If command is from other phones instead of M1 8 4 0 0 password e.g. :8 4 0 0 1 2 3 4	SMS Message: <a href="#">GSM:17</a> <a href="#">GPS:09</a> <a href="#">Disarm</a> <a href="#">unlock</a> <a href="#">driving mirror</a> (User define, please refer to only executable by M1 table)
			V	99	High priority to renewal M1. (M1 lose etc.)	9 9 0 0 PW 0 0 PS 0 0 XY 0 0 New M1 number 9 9 0 0 1 2 3 4 0 0 5 6 7 8 0 0 XY 0 0 X X X X X X X X X X X = 1 Trigger Call enable Y = 1 Trigger SMS enable X = 0 Trigger Call disable Y = 0 Trigger SMS disable	<b>Must use other phone number.</b> <b>EX:</b> <b>99001234005678001000961008772</b> SMS Message: <a href="#">M110:0961008772</a>
		V	V	*...#	USSD command request and string report by SMS.		<b>Pre-paid phone card</b>
					M1~M4 Users send to GSM alarm wrong or not exist command.		SMS Message: <a href="#">GSM:16</a> <a href="#">SMS format error</a>
					M2~M4 Users send to GSM alarm		SMS Message:

M 1 DTMF	M2~M4 DTMF	M 1 SMS	M2~M4 SMS	Command s	Function	Example of command ( Here password is assumed to be 1234 and PS 5678)	SMS reply message
					command, but password is wrong.		<u>GSM:16</u> <u>SMS password error</u>

◆ [CM]-List of commands only executable by M1

M 1 DTMF	M2~M4 DTMF	M 1 SMS	M2~M4 SMS	Commands	Function	Example of command ( Here password is assumed to be 1234 and PS 5678)
		V		00	[0000] To renew PW	0 0 0 0 new PW e.g. 0 0 0 0 X X X X
		V		01	[0001] To renew TEL number of M1 X = 1 Trigger Call enable Y = 1 Trigger SMS enable X = 0 Trigger Call disable Y = 0 Trigger SMS disable	0 0 0 1 X Y 0 0 new tel number of M1 e.g. 0 0 0 1 1 1 0 0 X X X X X X X X X X  Delete M1 TEL number: 0 0 0 1 0 0 0
		V		02	[0002] To renew TEL number of M2 X1 = 1 Trigger Call enable Y1 = 1 Trigger SMS enable X = 0 Trigger Call disable Y = 0 Trigger SMS disable	0 0 0 2 X Y 0 0 new tel number of M2 e.g. 0 0 0 2 1 1 0 0 X X X X X X X X X X  Delete M2 TEL number: 0 0 0 2 0 0 0
		V		03	[0003] To renew TEL number of M3 X = 1 Trigger Call enable Y = 1 Trigger SMS enable X = 0 Trigger Call disable Y = 0 Trigger SMS disable	0 0 0 3 X Y 0 0 new tel number of M3 e.g. 0 0 0 3 1 1 0 0 X X X X X X X X X X  Delete M3 TEL number: 0 0 0 3 0 0 0
		V		04	[0004] To renew TEL number of M4 X = 1 Trigger Call enable Y = 1 Trigger SMS enable X = 0 Trigger Call disable Y = 0 Trigger SMS disable	0 0 0 4 X Y 0 0 new tel number of M4 e.g. 0 0 0 4 1 1 0 0 X X X X X X X X X X  Delete M4 TEL number: 0 0 0 4 0 0 0

M 1 DTMF	M2~M4 DTMF	M 1 SMS	M2~M4 SMS	Commands	Function	Example of command ( Here password is assumed to be 1234 and PS 5678)
		V		40	[0040] GPS –Periodical SMS report for text mode. Status option: 0 =OFF 1~1440=1~1440 min	0 0 4 0 Status option e.g. 0 0 4 0 120
		V		41	[0041] GPS - Smart position report after M1 calling . Status option: 00=OFF 01=ON	0 0 4 1 Status option e.g. 0 0 4 1 01
		V		43	[0043] GPS –Periodical SMS report for WAP link. Status option: 0 =OFF 1~1440=1~1440 min	0 0 4 3 Status option e.g. 0 0 4 3 120
		V		45	[0045] GPS – Setting the range of activities. Status option: 0=OFF 1~999=1~999km	0 0 4 5 Status option e.g. 0 0 4 5 100
		V		46	[0046] GPS – Setting the speed limit. Status option: 0=OFF 1~999=1~999km/h	0 0 4 6 Status option e.g. 0 0 4 6 100
		V		47	[0047] GPS – Setting car moving alert for arm mode.. Status option: 0=OFF 1=ON	0 0 4 7 Status option e.g. 0 0 4 7 1
		V		49	[0049] GPS – Disable all report function.<40,42,43,45,46> Status option: 0 = Confirm	0 0 4 9 Status option e.g. 0 0 4 9 0
		V		50	[0050] To renew PS	0 0 5 0 new PS e.g. 0 0 5 0 X X X X
		V		71 72 73  (The 74 in [CM] mode is ALARM input detect, not device input)	[0071]: [0072]: [0073]: Option device change on CH1 trigger input(-) (e.g. Door Open) <b>Normal mode-[TEXT]</b> user define text <b>Special mode-[CLASS]:</b> 0 = CH1 default 1 = Door 2 = Hood 3 = Trunk	<b>Normal mode:</b> 0 0 7 1 + [Text] # [Mode] e.g. 0 0 7 1 Door Open # 1  <b>maximum 15 alphabets allowed to name device</b>  <b>Special mode:</b> 0 0 7 1 + [CLASS] # [Mode] e.g. 0 0 7 1 + 1 # 1

M 1 DTMF	M2~M4 DTMF	M 1 SMS	M2~M4 SMS	Commands	Function	Example of command ( Here password is assumed to be 1234 and PS 5678)
					4 = Brake 5 = Engine warm up is on 6 = Siren crying Other word= user define text <b>[Mode] :</b> 0 = not things 1 =Trigger input ( Call + SMS ) 2 =Incident input ( Call + SMS ) 3 =Incident input ( SMS )	
		V		81 82 83 84	<b>[0081]: [0082]: [0083]: [0084] :</b> Option device change on CH1 output(-) ( e.g. dome light) and lighting time Output time:20 seconds  <b>Normal mode-[TEXT]</b> user define text <b>Special mode-[CLASS]:</b> 1 = Switch to Arm 2 = Switch to Disarm 3 = Switch to Arm or Disarm 4 = Voice monitor 5 = Trigger output 6 = CH1 input active 7 = CH2 input active 8 = CH3 input active 9 = CH4 input active A= GPS LED Other word= user define text <b>[Timer] :</b> 0 = Disable 1~9998 = 1~9998 second 9999 = On/Off	<b>Normal mode:</b> 0 0 8 1 + [Text] # [Timer] e.g. 0 0 8 1 + trunk open # 5 Note: #5 means output time is 5 sec  e.g. 0 0 8 2+window#10 Note: #10 means output time is 10 sec  e.g. 0 0 8 3+dome light#15 Note: #15 means output time is 15 sec  e.g. 0 0 8 4+driving mirror#20 Note: #20 means output time is 20 sec  <b>maximum 15 alphabets allowed to name device</b>  <b>Special mode:</b> 0 0 8 1 + [CLASS] # [Timer] e.g. 0 0 8 1 + 1 # 2
		V		92	<b>[0092]</b>	0 0 9 2 <b>option</b> e.g. 0 0 9 2 0 1

M 1 DTMF	M2~M4 DTMF	M 1 SMS	M2~M4 SMS	Commands	Function	Example of command ( Here password is assumed to be 1234 and PS 5678)
					System disarm report 00=Off 01=SMS report 02=CALL report	
		V		93	[0093] [CM] mode. CH4/ALARM input status. 01=Negative (-) 02= Positive(+)	0 0 9 3 option e.g. 0 0 9 3 0 1
		V		94	[0094] M2 limits of authority equal to M1. 00=Off 01= On	0 0 9 4 option e.g. 0 0 9 4 0 1
		V		95	[0095] Disable any phone control(Only by M1~M4 phone number can call-in) 00=Off 01= On	0 0 9 5 option e.g. 0 0 9 5 0 1
		V		98	[0098] To change GPS service information [ ARS ] = Server phone number [ ASS ] = Service center phone number [ SWS ] = Server website address [ GWS ] = GPRS website address	0 0 9 8 # [ ARS ] , [ ASS ] , [ SWS ] , [ GWS ] # e.g. 0 0 9 8 # +886961122525 , +886961008772 , <a href="http://tw.efotv.com">http://tw.efotv.com</a> , <a href="http://tw.efotv.com/g/?mapdata=#">http://tw.efotv.com/g/?mapdata=#</a>  e.g. 0 0 9 8 # +886961122525 , , , <a href="http://tw.efotv.com/g/?mapdata=#">http://tw.efotv.com/g/?mapdata=#</a>
		V		99	[0099] To restore to factory default Status option: 01= to confirm	0 0 9 9 option e.g. 0 0 9 9 0 1

**Notes: While renewing M1 telephone number, if its new number is same as any of M2.**

**e.g.If the existing number are M1:0910123456 、 M2:0910456789 、 M3:0910222333. If M3 number is changed to M1, the M3 becomes void. Therefore the system will have M1:0910222333 、 M2:0910456789 afterwards.**

## [SM]-Signal mode user manual

### ◆ SIM card setting

1. Procedure for PIN CODE setting. You need a cell phone and new SIM card. Firstly, try to validate SIM card in the following steps strictly.
2. Close PIN code function
3. Delete clearly all data in the phonebooks and SMS messages
4. **SM mode setting: Use mobile phone to type 「SM」 name and save it in SIM card.**
5. **Password setting : Use mobile phone to type in 4-digit random number (as password) and name it PW.**
6. **In the same way, use mobile phone to type in another 4-digit random numbers and save under phone book to be named as PS. The password will be requested when renewal of M1 is desired.**
7. **Setting of M1xy ( car owner's mobile number). Use mobile phone to type in car owners' number under phone book to be named as M1xy, When x=1 Trigger alert will be auto-dialed to the number registered in M1. When y=1 Trigger alert will be send SMS to M1.**  
**In the same way, set second mobile number under phone book to be named as M2xy.**  
**EX: M111= Trigger alert will be auto-dialed to the number registered in M1 and send SMS to M1.**  
**M101= Trigger alert will **not** be auto-dialed to the number registered in M1 but will be send SMS to M1.**  
**M110= Trigger alert will be auto-dialed to the number registered in M1, but will **not** be send SMS to M1.**  
**M100= Trigger alert will **not** be auto-dialed to the number registered in M1 and **not** be send SMS to M1.**  
**Note: Do not set phone number in M2xy M3xy and M4xy to be the same as in M1xy.**
8. Unplug the GSM car alarm first. Re-power after the SIM card is installed.
9. When M1 phone receives SMS to show activation, the system is installed successfully.

### Notes:

- ◆ The repetition of telephone numbers in M1,M2,M3 and M4 must be available.
- ◆ Lack of **SM mode**, **PW** and **M1xy** setting will fail system to operate.
- ◆ All the numbers of M1, M2,M3 M4 and PW,PS and M1 must be stored in SIM card. To verify this, press button 「1」 and then 「#」 of the mobile phone to see telephone book and use up/down button to scroll the screen.
- ◆ GSM alarm must be unplugged from power source before inserting SIM card and taking it out.
- ◆ After CM mode is activated, arm and disarm GSM alarm system can no longer be controlled by any SMS or following voice directory. The control of system can only be done by original alarm system.
- ◆ During system trigger, GSM alarm will auto-dial to M1 to report alert. M1 can only operate commands 10、11、16、17、40、41、43、44、47、60、61、81、82、83、

**84** by following voice directory. All other commands by voice directory cannot be operated.

◆ **SIM card phone book example for 「SM」 mode:**



◆ [SM]-List of command controlled by means of SMS or choice of voice directory

M 1 DTMF	M2~M4 DTMF	M 1 SMS	M2~M4 SMS	Command s	Function	Example of command ( Here password is assumed to be 1234 and PS 5678)	SMS reply message
		V	V	01	To review executed commands (series 01 ~ 08 ) 01 is the most recent command and 08 is the last one	01 series number ( if command is done from M1) e.g. 0103 is command to check the recent 3 <sup>rd</sup> record. If command is <b>not</b> done by M1: 0 1 0 0 password 0 3 e.g 0 1 0 0 1 2 3 4 0 3 is command to check the recent 3 <sup>rd</sup> record from other phone instead of M1.	If remote enter arm SMS Message: <a href="#">Control record:1</a> <a href="#">09.08.19</a> <a href="#">10:33:35</a> <a href="#">Arm</a> <a href="#">Lock</a>
		V	V	02	To review the trigger records ( series 01~08) 01 is the most recent trigger record and 08 is the last one	02 series number ( if command is done from M1) e.g. 0202 is command to check the recent 2 <sup>nd</sup> trigger record. If command is <b>not</b> done by M1: 0 2 0 0 password 0 2 e.g 0 2 0 0 1 2 3 4 0 2 is command to check the recent 2 <sup>nd</sup> trigger record from other phone instead of M1	If door open trigger SMS Message: <a href="#">Trigger record:1</a> <a href="#">09.08.19</a> <a href="#">10:35:38</a> <a href="#">Alarm trigger</a> <a href="#">Door open</a>
		V	V	03	To review the device option set by CH1 、CH2 、CH3 、CH4	If command is <b>not</b> done by M1, please add password.	71,72,73,74(CH1~CH4 input) default are Mode 1(trigger input). SMS Message: <a href="#">CH1 input, Text:</a> <a href="#">CH1 input on Mode:1</a> <a href="#">CH2 input, Text:</a> <a href="#">CH2 input on Mode:1</a> <a href="#">CH3 input, Text:</a> <a href="#">CH3 input on Mode:1</a> <a href="#">CH4 input, Text:</a> <a href="#">CH4 input on Mode:1</a>
		V	V	04	To review device option being set and output time on CH1 、CH2 、CH3 、CH4	If command is <b>not</b> done by M1, please add password.	81,82,83,84(CH1~CH4 output) default are turn off. SMS Message: <a href="#">The function disable</a>

M 1 DTMF	M2~M4 DTMF	M 1 SMS	M2~M4 SMS	Command s	Function	Example of command ( Here password is assumed to be 1234 and PS 5678)	SMS reply message
							<p>Please refer to only executable by M1 table</p> <p>If 81,82,83,84 channel are turn on.</p> <p>SMS Message:</p> <p><a href="#">CH1 output, Text: trunk</a></p> <p><a href="#">Timer:5</a></p> <p><a href="#">CH2 output, Text: window</a></p> <p><a href="#">Timer:10</a></p> <p><a href="#">CH3 output, Text: dome light</a></p> <p><a href="#">Timer:15</a></p> <p><a href="#">CH4 output, Text: driving mirror</a></p> <p><a href="#">Timer:20</a></p>
		V		06	To check PW	If command is <b>not</b> done by M1, please add <a href="#">password.</a>	SMS Message: <a href="#">1234</a>
		V	V	07	To check the TEL numbers of M1、M2、M3、M4	If command is <b>not</b> done by M1, please add <a href="#">password.</a>	SMS Message: <a href="#">M111:0961008773</a>
		V	V	08	To check GPS service information.	If command is <b>not</b> done by M1, please add <a href="#">password.</a>	<p>SMS Message:</p> <p><b>Wintec's phone number</b></p> <p><a href="#">[ARS]= Server phone number +886961122525</a></p> <p><b>Wintec's phone number</b></p> <p><a href="#">[ASS]=Service center phone number +886282273601</a></p> <p><b>Wintec's server</b></p> <p><a href="#">[SWS]= Server website address http://tw.efotv.com/sales/en/</a></p> <p><b>Wintec's server</b></p> <p><a href="#">[GWS]= GPRS website address http://tw.efotv.com/g/?mapdata</a></p>
		V	V	09	System Info report.	If command is <b>not</b> done by M1, please add <a href="#">password.</a>	<p>SMS Message:</p> <p><a href="#">[IM] mode</a></p> <p><a href="#">VER:B2</a></p> <p><a href="#">GSM:18</a> (signal strength)</p> <p><a href="#">BAT:12:21V</a></p>

M 1 DTMF	M2~M4 DTMF	M 1 SMS	M2~M4 SMS	Command s	Function	Example of command ( Here password is assumed to be 1234 and PS 5678)	SMS reply message
							<47>:on (Car moving alert)
V	V	V	V	10	To Disarm	If command is <b>not</b> done by M1, please add password.	SMS Message: <a href="#">GSM:14</a> <a href="#">Disarm</a> <a href="#">Unlock</a>
V	V	V	V	11	To ARM	If command is <b>not</b> done by M1, please add password.	SMS Message: <a href="#">GSM:14</a> <a href="#">Arm</a> <a href="#">Lock</a>
V				16	To arm and disconnect	GSM will call to M1 one sound after enter arm.	No SMS Message
V				17	To disarm and disconnect		No SMS Message
V	V	V	V	40	To check GPS position on text mode.	If command is <b>not</b> done by M1, please add password.	SMS Message: <a href="#">OK(09)</a> <a href="#">13:28:08 09/08/19</a> <a href="#">XY</a> <a href="#">121.485488E</a> <a href="#">24.997364N</a> <a href="#">DMS:</a> <a href="#">121.29.07E</a> <a href="#">24.59.50N</a> <a href="#">0 km/h</a>
V	V	V	V	41	To check car status	If command is <b>not</b> done by M1, please add password.	SMS Message: <a href="#">GSM:14</a> <a href="#">GPS:08</a> <a href="#">BAT:13.38</a> <a href="#">Disarm</a> <a href="#">Unlock</a>
V	V	V	V	43	To check GPS position via GPRS.	If command is <b>not</b> done by M1, please add password.	<b>Wintec's server</b> SMS Message: <a href="#">&lt;43&gt;:</a> <a href="#">http://tw.efotv.com/g/?mapdata=01.1234xxxxxxxxxxxxxxx...etc</a>
V	V			44	To check car status report by SMS	( only M1~M4 are allowed for this function)	No SMS Message
V		V		47	To turn on/off car moving alert. (one time)		<b>Wintec's server</b> SMS Message: <a href="#">&lt;47&gt;:on</a> <a href="#">http://tw.efotv.com/g/?mapdata=01.1234xxxxxxxxxxxxxxx...etc</a>
V		V		50	valet mode off		SMS Message:

M 1 DTMF	M2~M4 DTMF	M 1 SMS	M2~M4 SMS	Command s	Function	Example of command ( Here password is assumed to be 1234 and PS 5678)	SMS reply message
							<a href="#">GSM:18</a> <a href="#">GPS:09</a> <a href="#">Disarm</a>
V		V		51	To enter valet mode		SMS Message: <a href="#">GSM:18</a> <a href="#">GPS:09</a> <a href="#">Disarm</a> <a href="#">Valet mode</a>
V				60	Voice monitor off		No SMS Message
V				61	Voice monitor on		No SMS Message
V	V	V	V	81	To output on CH1 and delete output Output time is decided by the user	If command is done from M1 81 If command is from other phones instead of M1 8 1 0 0 <a href="#">password</a> e.g. :8 1 0 0 <a href="#">1 2 3 4</a>	SMS Message: <a href="#">GSM:16</a> <a href="#">GPS:09</a> <a href="#">Disarm</a> <a href="#">unlock</a> <a href="#">trunk open</a> (User define, please refer to only executable by M1 table)
V	V	V	V	82	To output on CH2 and delete output Output time is decided by the user	If command is done from M1 82 If command is from other phones instead of M1 8 2 0 0 <a href="#">password</a> e.g. :8 2 0 0 <a href="#">1 2 3 4</a>	SMS Message: <a href="#">GSM:16</a> <a href="#">GPS:09</a> <a href="#">Disarm</a> <a href="#">unlock</a> <a href="#">window</a> (User define, please refer to only executable by M1 table)
V	V	V	V	83	To output on CH3 and delete output Output time is decided by the user	If command is done from M1 83 If command is from other phones instead of M1 8 3 0 0 <a href="#">password</a> e.g. :8 3 0 0 <a href="#">1 2 3 4</a>	SMS Message: <a href="#">GSM:17</a> <a href="#">GPS:09</a> <a href="#">Disarm</a> <a href="#">unlock</a> <a href="#">dome light</a> (User define, please refer to only executable by M1 table)
V	V	V	V	84	To output on CH4 and delete output Output time is decided by the user	If command is done from M1 84 If command is from other phones instead of M1 8 4 0 0 <a href="#">password</a> e.g. :8 4 0 0 <a href="#">1 2 3 4</a>	SMS Message: <a href="#">GSM:17</a> <a href="#">GPS:09</a> <a href="#">Disarm</a> <a href="#">unlock</a> <a href="#">driving mirror</a> (User define, please refer to only executable by M1 table)

M 1 DTMF	M2~M4 DTMF	M 1 SMS	M2~M4 SMS	Command s	Function	Example of command ( Here password is assumed to be 1234 and PS 5678)	SMS reply message
							table)
			V	99	High priority to renewal M1. (M1 lose etc.)	9 9 0 0 PW 0 0 PS 0 0 XY 0 0 New M1 number 9 9 0 0 1 2 3 4 0 0 5 6 7 8 0 0 XY 0 0 X X X X X X X X X X X = 1 Trigger Call enable Y = 1 Trigger SMS enable X = 0 Trigger Call disable Y = 0 Trigger SMS disable	Must use other phone number. EX: 990012340056780010000961008772 SMS Message: M110:0961008772
		V	V	*...#	USSD command request and string report by SMS.		<b>Pre-paid phone card</b>
					M1~M4 Users send to GSM alarm wrong or not exist command.		SMS Message: GSM:16 SMS format error
					M2~M4 Users send to GSM alarm command, but password is wrong.		SMS Message: GSM:16 SMS password error

◆ [SM]-List of commands only executable by M1

M 1 DTMF	M2~M4 DTMF	M 1 SMS	M2~M4 SMS	Commands	Function	Example of command ( Here password is assumed to be 1234 and PS 5678)
		V		00	[0000] To renew PW	0 0 0 0 new PW e.g. 0 0 0 0 X X X X
		V		01	[0001] To renew TEL number of M1 X = 1 Trigger Call enable Y = 1 Trigger SMS enable X = 0 Trigger Call disable Y = 0 Trigger SMS disable	0 0 0 1 X Y 0 0 new tel number of M1 e.g. 0 0 0 1 1 1 0 0 X X X X X X X X X X  Delete M1 TEL number: 0 0 0 1 0 0 0
		V		02	[0002] To renew TEL number of M2 X1 = 1 Trigger Call enable Y1 = 1 Trigger SMS enable X = 0 Trigger Call disable Y = 0 Trigger SMS disable	0 0 0 2 X Y 0 0 new tel number of M2 e.g. 0 0 0 2 1 1 0 0 X X X X X X X X X X  Delete M2 TEL number: 0 0 0 2 0 0 0
		V		03	[0003] To renew TEL number of M3 X = 1 Trigger Call enable Y = 1 Trigger SMS enable X = 0 Trigger Call disable Y = 0 Trigger SMS disable	0 0 0 3 X Y 0 0 new tel number of M3 e.g. 0 0 0 3 1 1 0 0 X X X X X X X X X X  Delete M3 TEL number: 0 0 0 3 0 0 0
		V		04	[0004] To renew TEL number of M4 X = 1 Trigger Call enable Y = 1 Trigger SMS enable X = 0 Trigger Call disable Y = 0 Trigger SMS disable	0 0 0 4 X Y 0 0 new tel number of M4 e.g. 0 0 0 4 1 1 0 0 X X X X X X X X X X  Delete M4 TEL number: 0 0 0 4 0 0 0
		V		40	[0040] GPS –Periodical SMS report for text mode. Status option: 0 =OFF 1~1440=1~1440 min	0 0 4 0 Status option e.g. 0 0 4 0 120
		V		41	[0041] GPS - Smart position report after M1 calling .	0 0 4 1 Status option e.g. 0 0 4 1 01

M 1 DTMF	M2~M4 DTMF	M 1 SMS	M2~M4 SMS	Commands	Function	Example of command ( Here password is assumed to be 1234 and PS 5678)
					Status option: 00=OFF 01=ON	
		V		43	[0043] GPS –Periodical SMS report for WAP link. Status option: 0 =OFF 1~1440=1~1440 min	0 0 4 3 Status option e.g. 0 0 4 3 120
		V		45	[0045] GPS – Setting the range of activities. Status option: 0=OFF 1~999=1~999km	0 0 4 5 Status option e.g. 0 0 4 5 100
		V		46	[0046] GPS – Setting the speed limit. Status option: 0=OFF 1~999=1~999km/h	0 0 4 6 Status option e.g. 0 0 4 6 100
		V		47	[0047] GPS – Setting car moving alert for arm mode.. Status option: 0=OFF 1=ON	0 0 4 7 Status option e.g. 0 0 4 7 1
		V		49	[0049] GPS – Disable all report function.<40,42,43,45,46> Status option: 0 = Confirm	0 0 4 9 Status option e.g. 0 0 4 9 0
		V		50	[0050] To renew PS	0 0 5 0 new PS e.g. 0 0 5 0 X X X X
		V		71 72 73 74  (The 74 device input only available in [IM],[SM] mode)	[0071]: [0072]: [0073]: [0074]: Option device change on CH1 trigger input(-) (e.g. Door Open) <b>Normal mode-[TEXT]</b> user define text <b>Special mode-[CLASS]:</b> 0 = CH1 default 1 = Door 2 = Hood 3 = Trunk 4 = Brake 5 = Engine warm up is on 6 = Siren crying Other word= user define text <b>[Mode] :</b>	<b>Normal mode:</b> 0 0 7 1 + [Text] # [Mode] e.g. 0 0 7 1 Door Open # 1  <b>maximum 15 alphabets allowed to name device</b>  <b>Special mode:</b> 0 0 7 1 + [CLASS] # [Mode] e.g. 0 0 7 1 + 1 # 1

M 1 DTMF	M2~M4 DTMF	M 1 SMS	M2~M4 SMS	Commands	Function	Example of command ( Here password is assumed to be 1234 and PS 5678)
					0 = not things 1 =Trigger input ( Call + SMS ) 2 =Incident input ( Call + SMS ) 3 =Incident input ( SMS )	
		V		81 82 83 84	<p><b>[0081]: [0082]: [0083]: [0084 ]:</b>            Option device change on CH1 output(-)            ( e.g. dome light) and lighting time            Output time:20 seconds</p> <p><b>Normal mode-[TEXT]</b>            user define text</p> <p><b>Special mode-[CLASS]:</b>            1 = Switch to Arm            2 = Switch to Disarm            3 = Switch to Arm or Disarm            4 = Voice monitor            5 = Trigger output            6 = CH1 input active            7 = CH2 input active            8 = CH3 input active            9 = CH4 input active            A= GPS LED            Other word= user define text</p> <p><b>[Timer] :</b>            0 = Disable            1~9998 = 1~9998 second            9999 = On/Off</p>	<p><b>Normal mode:</b>            0 0 8 1 + [Text] # [Timer]            e.g. 0 0 8 1 + trunk open # 5            Note: #5 means output time is 5 sec</p> <p>e.g. 0 0 8 2+window#10            Note: #10 means output time is 10 sec</p> <p>e.g. 0 0 8 3+dome light#15            Note: #15 means output time is 15 sec</p> <p>e.g. 0 0 8 4+driving mirror#20            Note: #20 means output time is 20 sec</p> <p><b>maximum 15 alphabets allowed to name device</b></p> <p><b>Special mode:</b>            0 0 8 1 + [CLASS] # [Timer]            e.g. 0 0 8 1 + 1 # 2</p>
		V		91	<p><b>[0091]</b>  <b>Intelligent Ring-controlled for Arm/Disarm</b>            00=Off 01=On</p>	0 0 9 1 <b>option</b> e.g. 0 0 9 1 0 1
		V		94	<p><b>[0094]</b>            M2 limits of authority equal to M1.            00=Off 01= On</p>	0 0 9 4 <b>option</b> e.g. 0 0 9 4 0 1

M 1 DTMF	M2~M4 DTMF	M 1 SMS	M2~M4 SMS	Commands	Function	Example of command ( Here password is assumed to be 1234 and PS 5678)
		V		95	[0095] Disable any phone control(Only by M1~M4 phone number can call-in) 00=Off 01= On	0 0 9 5 option e.g. 0 0 9 5 0 1
		V		98	[0098] To change GPS service information [ ARS ] = Server phone number [ ASS ] = Service center phone number [ SWS ] = Server website address [ GWS ] = GPRS website address	0 0 9 8 # [ ARS ] , [ ASS ] , [ SWS ] , [ GWS ] # e.g. 0 0 9 8 # +886961122525 , +886961008772 , <a href="http://tw.efotv.com">http://tw.efotv.com</a> , <a href="http://tw.efotv.com/g/?mapdata=#">http://tw.efotv.com/g/?mapdata=#</a> e.g. 0 0 9 8 # +886961122525 , , , <a href="http://tw.efotv.com/g/?mapdata=#">http://tw.efotv.com/g/?mapdata=#</a>
		V		99	[0099] To restore to factory default Status option: 01= to confirm	0 0 9 9 option e.g. 0 0 9 9 0 1

**Notes: While renewing M1 telephone number, if its new number is same as any of M2.**

**e.g.If the existing number are M1:0910123456 、M2:0910456789 、M3:0910222333. If M3 number is changed to M1, the M3 becomes void. Therefore the system will have M1:0910222333 、M2:0910456789 afterwards.**

## ◆ GSM wiring instruction

