

GTP-541M

FAQ

Tables of Content

Q01: How can I confirm that my SIM card can support GTP-541M?	3
Q02: Unable to register troubleshooting (4G light is abnormal)	3
Q03: How to switch between different functions?	3
Q04: DI function is abnormal, how to solve it	5
Q05: No action when using the Uart software to the ModBus command under the GTP-541M	6
Q06: Why can't I log in to the Utility software?	6
Q07: What is the difference between Level Trigger and Edge Trigger mode?	7
Q08: Can foreign numbers be used?	7
Q09: After triggering the alert message, the phone received multiple message	7
Q10: Can the GTP-541M use the NC/NO trigger SMS at the same DI?	7
Q11: I send a ModBus command to the GTP-541M via the PLC and receive a duplicate message	8

Q01: How can I confirm that my SIM card can support GTP-541M?

A01:

The frequency bands supported by the GTP-541M are:

FDD LTE (Asia 4G system): B1/B3/B8

TDD LTE (China 4G system) : B38/B39/B40/B41

GSM/GPRS (2G system) 850/900/1800/1900 MHz

WCDMA (3G system) 850/900/1900/2100 MHz

Please ask the SIM card carrier you want to use:

1. Is there any support for the above bands?
2. Whether the area where the GTP-541M is placed can receive the signal of this frequency band

Q02: Unable to register troubleshooting (4G light is abnormal)

A02:

4G (Green)	Flash once every 1 second	4G module is normal (standby mode)
	Flashes twice in 1 second	4G module is normal (online mode)
	not bright	4G modem fail

- Confirm that the antenna and SIM card are properly installed.
- Use your mobile phone to confirm if the SIM card can be registered.
- Confirm the SIM card by referring to step Q01.
- Confirm that the PIN Code is set correctly, or use your mobile phone to cancel the PIN Code.

Turn on Utility to confirm if the signal strength is too low (< 30%)

ModBusSMS function: Page.30 - Section 5.6

DIOSMS Features: Page.77 - Section 6.6

RMV function: Page.102 - Section 7.5

Q03: How to switch between different functions?

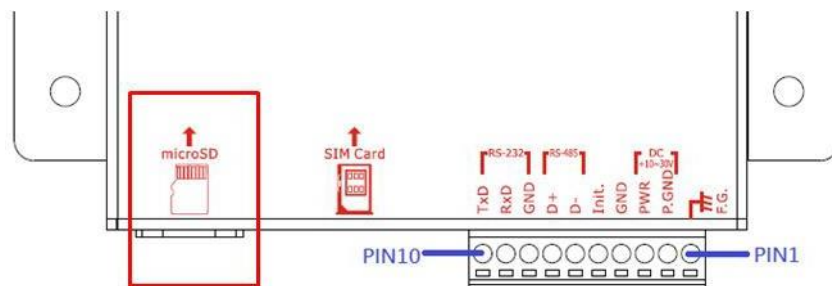
A03:

The GTP-541M needs to update the firmware to switch between different functions.

After updating the firmware, you must use the Utility setting to reply to the factory default.

Proceed as follows:

1. Open the screw at the red frame and remove the SD card.



2. Create a folder named "update" in the SD card folder.

> SDHC (F:) > update

3. On the GTP-541M website, click the firmware to enter the FTP page to download the type of Firmware to be replaced.



4. After downloading the firmware to be updated, put the file into the "update" folder of the SD card and rename the firmware file to "fw".

> SDHC (F:) > update

名稱	修改日期	類型	大小
fw	2018/8/31 下午 0...	檔案	199 KB

5. Plug the SD card back into the GTP-541M and reboot.
6. If the programming is successful, the STA light and GPS light will flash at every 0.1 seconds for 10 seconds, then the GTP-541M will restart automatically.



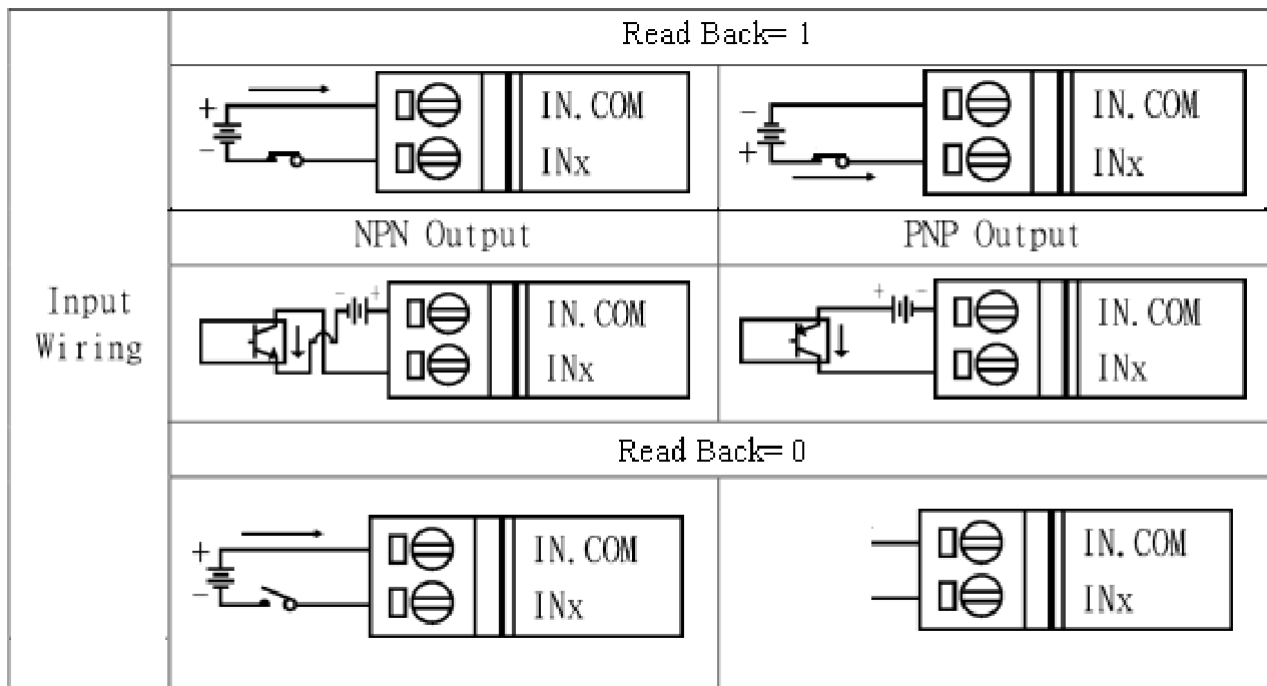
Please refer to the update operation instructions. : [manual](#) (Page.132)

Q04: DI function is abnormal, how to solve it

A04:

- Please confirm whether the DI.COM pin is connected and the DI wiring is correct.

DI/DO Port					
Pin		Description	Pin		Description
AI	1	AI0 +	AI	15	AI2 +
	2	AI0 GND		16	AI2 GND
	3	AI1 +		17	AI3 +
	4	AI1 GND		18	AI3 GND
DI	5	DI.COM	Extended Option	19	
	6	DI0		20	
	7	DI1		21	
	8	DI2		22	
	9	DI3		23	
	10	DI4		24	
DO	11	DO1		25	
	12	DO0		26	
DI/DO Power	13	Ext.PWR		27	
	14	Ext.GND		28	



Q05: No action when using the Uart software to the ModBus command under the GTP-541M

A05:

- Please confirm whether the Uart software used can send the ModBus command, otherwise the format will be judged as an error command.

Q06: Why can't I log in to the Utility software?

A06:

- Please confirm that the Init pin is connected.

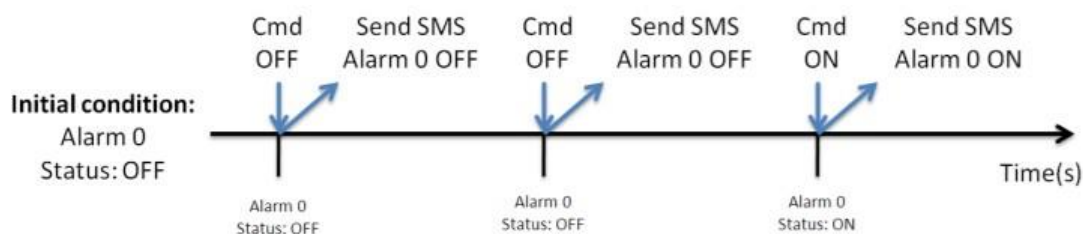
COM Port and Power Input		
Pin		Description
Frame Ground	1	F.G
Power Input : +10V _{DC} ~ +30V _{DC}	2	P.GND
	3	PWR
Init.	4	GND
	5	Init.
COM 1 RS-485	6	D-
	7	D+
COM 1 Utility Port RS-232	8	GND
	9	RxD
	10	TxD

- After logging in the Utility settings, remember to disconnect the Init pin before you can perform normal actions.

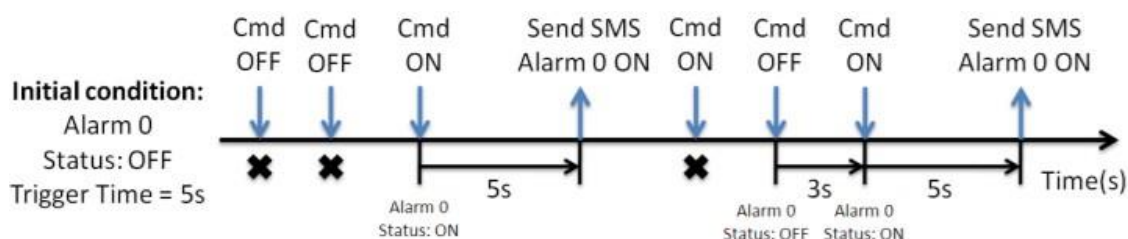
Q07: What is the difference between Level Trigger and Edge Trigger mode?

A07:

1. Level Trigger mode : It will trigger regardless of the original state.



2. Edge Trigger mode : Triggered when the state changes.



Q08: Can foreign numbers be used?

A08:

- The phone number can be entered into 19 yards and is available.

Q09: After triggering the alert message, the phone received multiple message

A09:

If you have to replace the firmware, you must first use the Utility to return the GTP-541M to the original state once. If it is still the same, confirm whether the setting is correct and whether the GTP-541M input has transmitted multiple commands.

ModBusSMS back to factory settings: Page.31 - Section 5.6.4

DIOSMS Features: Page.79 - Section 6.8.1

RMV function: Page.103 - Section 7.6

Q10: : Can the GTP-541M use the NC/NO trigger SMS at the same DI?

A10:

In the GTP-500M DIOSMS function, each DI can only be set once. It is not possible to set two EVENTS to the same DI and set NO and NC respectively, and there is no related function.

Q11: : I send a ModBus command to the GTP-541M via the PLC and receive a duplicate message.

A11:

GTP-541M only has 10 alarm spaces, and the vacant space after sending out will be filled with the first alarm received, so the situation of repeated SMS will occur, and the time when the PLC sends the command must be adjusted, because GTP-541M sends the message. The time spent will vary depending on the strength of the signal.

Q12: The format of the voice file I used has been determined to be the same as that in the manual. Why is there still no voice when receiving the voice alarm?

A01:

It is recommended to use the "GoldWave" file transfer software, because some files transferred by the file transfer software will still have deviation in the audio track part, resulting in the same format but unable to use the read data.

Q13: GTP-541M has used the utility to set parameters and write them successfully, but why can't the SMS alarm be triggered

A02: Please confirm whether there is any connecting wire on the init pin. After the parameter setting, the wire on the init pin must be unplugged, otherwise it will always be in the parameter setting mode.