

USR-GM3 AT Command Set

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1. What is the AT command

AT command is used for controlling module. You can use AT command to configure and query the settings.

2. How to use the AT command

For USR device is in transparent mode normally, you must enter AT command mode at first. Then you can send AT command to configure or query the settings. After you configure the USR device, you should restart the USR device to make the settings take effect. Every time module restart will work in work mode rather AT command mode.

Every AT command must add character carriage return <CR> and line feed <LF>. In Hex, <CR> is 0x0D <LF> is 0x0A.

2.1. How to enter serial AT command mode

Please read this FAQ about entering serial AT command mode.

<https://www.usriot.com/support/faq/enter-serial-command-mode.html>

2.2. Transparent transmission AT command mode

When module in transparent transmission mode, user can use “Password#AT command” format to send AT command to configure or query parameters via serial or network. If user uses transparent AT command, user doesn't need to enter AT command mode. The format is as follow. Settings will take effect after restarting.

```
Passwords#AT command
```

For example, if user wants to query serial port parameters via network or serial port, user can send the command below.

```
usr.cn#AT+UART
```

usr.cn is default password, user can modify it to user own password(To modify the password, user can use AT+CMDPW). AT+UART is the AT command to query the serial port parameters. There should be '#' between the password and command.

2.3. SMS AT command mode

User can configure module or query status by SMS AT command to remotely control module in fields. SMS AT command can achieve sending more than one AT command by only one message after firmware version V3.0. User can achieve it by adding “;” after each AT command(Single AT command also needs to add “;”). For example, user can send the command below to query the serial port parameters and socket A parameters of the module simultaneously:

```
usr.cn #AT+UART;usr.cn#AT+SOCKA;
```

usr.cn is default password, user can modify it to user own password(To modify the password, user can use AT+CMDPW). There should be '#' between the password and command.

3. AT command set

Command	Function
Management Command	
H	Query help message
Z	Restart the module
E	Query/Set AT command echo function enable/disable
ENTM	Exit serial AT command mode and enter work mode
WKMOD	Query/Set work mode of module
CALEN	Query/Set Phone function enable/disable
NATEN	Query/Set network AT command in transparent transmission mode enable/disable
UATEN	Query/Set serial port AT command in transparent transmission mode enable/disable
CMDPW	Query/Set transparent transmission AT command and SMS AT command password
CACHEN	Query/Set Cache Data function enable/disable
STMSG	Query/Set Welcome message of module
RSTIM	Query/Set timeout restart function time
SLEEP	Query/Set Sleep mode enable/disable
SLEEPTIM	Query/Set time to enter Sleep mode
S	Saving current settings
RELD	Reset to default settings
CLEAR	Reset to factory settings
CFGTF	Saving current settings as default settings
VER	Query firmware version
SN	Query SN code
ICCID	Query ICCID code
IMEI	Query IMEI code
CNUM	Query phone number
Serial port and socket command	
UART	Query/Set serial port parameters
RFCEN	Query/Set baud rate synchronization function enable/disable
APN	Query/Set APN parameters
SOCKA	Query/Set socket A parameters
SOCKB	Query/Set socket B parameters
SOCKAEN	Query/Set socket A enable/disable
SOCKBEN	Query/Set socket B enable/disable
SOCKASL	Query/Set socket A connection type in TCP mode
SOCKBSL	Query/Set socket B connection type in TCP mode
SOCKALK	Query socket A connection status
SOCKBLK	Query socket B connection status
SOCKIDEN	Query/Set displaying socket ID function enable/disable

Identity packet command	
REGEN	Query/Set identity packet enable/disable
REGTP	Query/Set identity packet type
REGID	Query/Set identity packet ID
REGDT	Query/Set user editable identity packet data
REGSND	Query/Set identity packet sending method
Heartbeat packet command	
HEARTEN	Query/Set heartbeat packet enable/disable
HEARTDT	Query/Set user editable heartbeat packet data
HEARTTP	Query/Set type of heartbeat packet
HEARTTM	Query/Set heartbeat packet interval
HTTP Client mode command	
HTPTP	Query/Set HTTP requesting method in HTTP Client mode
HTPURL	Query/Set HTTP URL in HTTP Client mode
HTPSV	Query/Set HTTP server address and port in HTTP Client mode
HTPHD	Query/Set HTTP header in HTTP Client mode
HTPPK	Query/Set filtering HTTP header of response data enable/disable in HTTP Client mode
SMS transparent transmission mode command	
DSTNUM	Query/Set Target phone number of message
SMSSEND	Sending message
USR Cloud command	
CLOUDEN	Query/Set USR Cloud enable/disable
CLOUDID	Query/Set USR Cloud ID of module
CLOUDPA	Query/Set USR Cloud password of module
Other command	
LBS	Query LBS information
GPIO1	Query/Set status of GPIO1(UART2_RTS of module)
GPIO2	Query/Set status of GPIO2(I2C_SCL of module)
CSQ?	Query RSSI

4. AT command details

Special Characters		
Character	Note	Hex
<CR>	Carriage Return	0x0D
<LF>	Line Feed	0x0A

4.1. AT+H

Format	
Query	AT+H<CR>
Return	<CR><LF><HELP MESSAGE><CR><LF><CR><LF>OK<CR><LF>

4.2. AT+Z

Format	
Set	AT+Z<CR>
Return	<CR><LF>OK<CR><LF>

4.3. AT+E

Parameter	Description	Default Value	Range
<Status>	Status of AT command Echo function	ON	ON/OFF
Format			
Query	AT+E<CR>		
Return	<CR><LF>+E:<Status><CR><LF><CR><LF>OK<CR><LF>		
Set	AT+E=<Status><CR>		
Return	<CR><LF>OK<CR><LF>		

4.4. AT+ENTM

Format	
Set	AT+ENTM<CR>
Return	<CR><LF>OK<CR><LF>

4.5. AT+WKMOD

Parameter	Description	Default Value	Range
<Mode>	Work mode of module	"NET"	"CMD": AT command mode
			"SMS": SMS transparent transmission mode
			"NET": Network transparent transmission mode
			"HTTPD": HTTP Client mode
Format			
Query	AT+WKMOD<CR>		

Return	<code><CR><LF>+WKMOD:<Mode><CR><LF><CR><LF>OK<CR><LF></code>
Set	<code>AT+WKMOD=<Mode><CR></code>
Return	<code><CR><LF>OK<CR><LF></code>

4.6. AT+CALEN

Parameter	Description	Default Value	Range
<code><Status></code>	Status of Phone Function	OFF	ON/OFF
Format			
Query	<code>AT+CALEN<CR></code>		
Return	<code><CR><LF>+CALEN:<Status><CR><LF><CR><LF>OK<CR><LF></code>		
Set	<code>AT+CALEN=<Status><CR></code>		
Return	<code><CR><LF>OK<CR><LF></code>		

4.7. AT+NATEN

Parameter	Description	Default Value	Range
<code><Status></code>	Status of network AT command in transparent transmission mode	ON	ON/OFF
Format			
Query	<code>AT+NATEN<CR></code>		
Return	<code><CR><LF>+NATEN:<Status><CR><LF><CR><LF>OK<CR><LF></code>		
Set	<code>AT+NATEN=<Status><CR></code>		
Return	<code><CR><LF>OK<CR><LF></code>		

4.8. AT+UATEN

Parameter	Description	Default Value	Range
<code><Status></code>	Status of serial port AT command in transparent transmission mode	OFF	ON/OFF
Format			
Query	<code>AT+UATEN<CR></code>		
Return	<code><CR><LF>+UATEN:<Status><CR><LF><CR><LF>OK<CR><LF></code>		
Set	<code>AT+UATEN=<Status><CR></code>		
Return	<code><CR><LF>OK<CR><LF></code>		

4.9. AT+CMDPW

Parameter	Default Value	Range
<Password>	"usr.cn"	Less than 6 bytes
Format		
Query	AT+CMDPW<CR>	
Return	<CR><LF>+CMDPW:<Password><CR><LF><CR><LF>OK<CR><LF>	
Set	AT+CMDPW=<Password><CR>	
Return	<CR><LF>OK<CR><LF>	

4.10. AT+CACHEN

Parameter	Description	Default Value	Range
<Status>	Status of Cache Data	ON	ON/OFF
Format			
Query	AT+CACHEN<CR>		
Return	<CR><LF>+CACHEN:<Status><CR><LF><CR><LF>OK<CR><LF>		
Set	AT+CACHEN=<Status><CR>		
Return	<CR><LF>OK<CR><LF>		

4.11. AT+STMSG

Parameter	Description	Default Value
<Message>	Welcome message of module	"USR-GM3 V2.1"
Format		
Query	AT+STMSG<CR>	
Return	<CR><LF>+STMSG:<Message><CR><LF><CR><LF>OK<CR><LF>	
Set	AT+STMSG=<Message><CR>	
Return	<CR><LF>OK<CR><LF>	

4.12. AT+RSTIM

Parameter	Description	Default Value	Range
<Time>	Timeout reset function time	1800s	0s: Closing function
Format			
Query	AT+RSTIM<CR>		
Return	<CR><LF>+RSTIM:<Time><CR><LF><CR><LF>OK<CR><LF>		
Set	AT+RSTIM=<Time><CR>		
Return	<CR><LF>OK<CR><LF>		

4.13. AT+SLEEP

Parameter	Description	Default Value	Range
<Status>	Status of Sleep mode	OFF	ON/OFF
Format			
Query	AT+SLEEP<CR>		
Return	<CR><LF>+SleepMode:<Status><CR><LF><CR><LF>OK<CR><LF>		
Set	AT+SLEEP=<Status><CR>		
Return	<CR><LF>OK<CR><LF>		

4.14. AT+SLEEPTIM

Parameter	Description	Default Value	Range
<Time>	Time to enter Sleep mode	0s	0s: Closing function
Format			
Query	AT+SLEEPTIM<CR>		
Return	<CR><LF>+SLEEPTIM:<Time><CR><LF><CR><LF>OK<CR><LF>		
Set	AT+SLEEPTIM=<Time><CR>		
Return	<CR><LF>OK<CR><LF>		

4.15. AT+S

Format	
Set	AT+S<CR>
Return	<CR><LF>OK<CR><LF>

4.16. AT+RELD

Format	
Set	AT+RELD<CR>
Return	<CR><LF>OK<CR><LF>

4.17. AT+CLEAR

Format	
Set	AT+CLEAR<CR>
Return	<CR><LF>OK<CR><LF>

4.18. AT+CFGTF

Format	
Set	AT+CFGTF<CR>
Return	<CR><LF>OK<CR><LF>

4.19. AT+VER

Format	
Query	AT+VER<CR>
Return	<CR><LF>+VER:<Version><CR><LF><CR><LF>OK<CR><LF>

4.20. AT+SN

Format	
Query	AT+SN<CR>
Return	<CR><LF>+SN:<SN code><CR><LF><CR><LF>OK<CR><LF>

4.21. AT+ICCID

Format	
Query	AT+ICCID<CR>
Return	<CR><LF>+ICCID:<ICCID code><CR><LF><CR><LF>OK<CR><LF>

4.22. AT+IMEI

Format	
Query	AT+IMEI<CR>
Return	<CR><LF>+IMEI:<IMEI code><CR><LF><CR><LF>OK<CR><LF>

4.23. AT+CNUM

Format	
Query	AT+CNUM<CR>
Return	<CR><LF>+CNUM:<Phone Number><CR><LF><CR><LF>OK<CR><LF>

4.24. AT+UART

Parameter	Description	Default Value	Range
<Baud rate>	Baud rate	115200	1500, 2400, 4800, 9600, 14400, 19200, 38400, 57600, 115200, 128000, 230400, 460800, 921600
<Data bits>	Data bits	8	7, 8
<Stop bits>	Stop bits	1	1, 2
<Parity>	Parity	NONE	NONE, EVEN, ODD
<Flow Control>	Flow Control	NFC	NFC: No flow control
			FC: Hardware flow control(RTS/CTS)
			485: UART_RTS used to 485 communication
Format			
Query	AT+UART<CR>		
Return	<CR><LF>+UART:<Baud rate>,<Parity>,<Data bits>,<Stop bits><Flow Control><CR><LF><CR><LF>OK<CR><LF>		
Set	AT+UART=<Baud rate>,<Parity>,<Data bits>,<Stop bits><Flow Control><CR>		
Return	<CR><LF>OK<CR><LF>		

4.25. AT+RFCEN

Parameter	Description	Default Value	Range
<Status>	Status of baud rate synchronization function	OFF	ON/OFF
Format			
Query	AT+RFCEN<CR>		
Return	<CR><LF>+RFCEN:<Status><CR><LF><CR><LF>OK<CR><LF>		
Set	AT+RFCEN=<Status><CR>		
Return	<CR><LF>OK<CR><LF>		

4.26. AT+APN

Parameter	Description	Default Value
<Code>	APN code	CMNET
<Name>	User name	No Default Value
<Password>	User password	No Default Value

Format	
Query	AT+APN<CR>
Return	<CR><LF>+APN:<Code><Name><Password><CR><LF><CR><LF>OK<CR><LF>>
Set	AT+APN=<Code><Name><Password><CR>
Return	<CR><LF>OK<CR><LF>

4.27. AT+SOCKA

Parameter	Description	Default Value	Range
<Protocol>	Network protocol	TCP	TCP/UDP
<Address>	Server address	test.usr.cn	IP address: 0.0.0.0-255.255.255.255
			Domain name
<Port>	Server port	2317	1-65535
Format			
Query	AT+SOCKA<CR>		
Return	<CR><LF>+SOCKA:<Protocol>,<Address>,<Port><CR><LF><CR><LF>OK<CR>><LF>		
Set	AT+SOCKA=<Protocol>,<Address>,<Port><CR>		
Return	<CR><LF>OK<CR><LF>		

4.28. AT+SOCKB

Parameter	Description	Default Value	Range
<Protocol>	Network protocol	TCP	TCP/UDP
<Address>	Server address	test.usr.cn	IP address: 0.0.0.0-255.255.255.255
			Domain name
<Port>	Server port	2317	1-65535
Format			
Query	AT+SOCKB<CR>		
Return	<CR><LF>+SOCKB:<Protocol>,<Address>,<Port><CR><LF><CR><LF>OK<CR>><LF>		
Set	AT+SOCKB=<Protocol>,<Address>,<Port><CR>		
Return	<CR><LF>OK<CR><LF>		

4.29. AT+SOCKAEN

Parameter	Description	Default Value	Range
<Status>	Status of socket A	ON	ON/OFF

Format	
Query	AT+SOCKAEN<CR>
Return	<CR><LF>+SOCKAEN:<Status><CR><LF><CR><LF>OK<CR><LF>
Set	AT+SOCKAEN=<Status><CR>
Return	<CR><LF>OK<CR><LF>

4.30. AT+SOCKBEN

Parameter	Description	Default Value	Range
<Status>	Status of socket B	OFF	ON/OFF
Format			
Query	AT+SOCKBEN<CR>		
Return	<CR><LF>+SOCKBEN:<Status><CR><LF><CR><LF>OK<CR><LF>		
Set	AT+SOCKBEN=<Status><CR>		
Return	<CR><LF>OK<CR><LF>		

4.31. AT+SOCKASL

Parameter	Description	Default Value	Range
<Type>	Connection type of socket A in TCP mode	Long	Short/Long
Format			
Query	AT+SOCKASL<CR>		
Return	<CR><LF>+SOCKASL:<Type><CR><LF><CR><LF>OK<CR><LF>		
Set	AT+SOCKASL=<Type><CR>		
Return	<CR><LF>OK<CR><LF>		

4.32. AT+SOCKBSL

Parameter	Description	Default Value	Range
<Type>	Connection type of socket B in TCP mode	Long	Short/Long
Format			
Query	AT+SOCKBSL<CR>		
Return	<CR><LF>+SOCKBSL:<Type><CR><LF><CR><LF>OK<CR><LF>		
Set	AT+SOCKBSL=<Type><CR>		
Return	<CR><LF>OK<CR><LF>		

4.33. AT+SOCKALK

Parameter	Description	Range
-----------	-------------	-------

<Status>	Connection status of socket A	connected/disconnected
Format		
Query	AT+SOCKALK<CR>	
Return	<CR><LF>+SOCKALK:<Status><CR><LF><CR><LF>OK<CR><LF>	

4.34. AT+SOCKBLK

Parameter	Description	Range
<Status>	Connection status of socket B	connected/disconnected
Format		
Query	AT+SOCKBLK<CR>	
Return	<CR><LF>+SOCKBLK:<Status><CR><LF><CR><LF>OK<CR><LF>	

4.35. AT+SOCKIDEN

Parameter	Description	Default Value	Range
<Status>	Status of displaying socket ID function	OFF	ON/OFF
Format			
Query	AT+SOCKIDEN<CR>		
Return	<CR><LF>+SOCKIDEN:<Status><CR><LF><CR><LF>OK<CR><LF>		
Set	AT+SOCKIDEN=<Status><CR>		
Return	<CR><LF>OK<CR><LF>		

4.36. AT+REGEN

Parameter	Description	Default Value	Range
<Status>	Status of identity packet function	OFF	ON/OFF
Format			
Query	AT+REGEN<CR>		
Return	<CR><LF>+REGEN:<Status><CR><LF><CR><LF>OK<CR><LF>		
Set	AT+REGEN=<Status><CR>		
Return	<CR><LF>OK<CR><LF>		

4.37. AT+REGTP

Parameter	Description	Default Value	Range
<Type>	Type of Identity packet	ICCID	ICCID: ICCID code
			IMEI: IMEI code
			REGID: Registration ID

		REGDT: User editable data
Format		
Query	AT+REGTP<CR>	
Return	<CR><LF>+REGTP:<Type><CR><LF><CR><LF>OK<CR><LF>	
Set	AT+REGTP=<Type><CR>	
Return	<CR><LF>OK<CR><LF>	

4.38. AT+REGID

Parameter	Description	Default Value
<ID>	Registration ID	100
Format		
Query	AT+REGID<CR>	
Return	<CR><LF>+REGID:<ID><CR><LF><CR><LF>OK<CR><LF>	
Set	AT+REGID=<ID><CR>	
Return	<CR><LF>OK<CR><LF>	

4.39. AT+REGDT

Parameter	Description	Default Value	Range
<Data>	User editable identity packet data	7777772E7573722E63	Less than 80 bytes
Format			
Query	AT+REGDT<CR>		
Return	<CR><LF>+REGDT:<Data><CR><LF><CR><LF>OK<CR><LF>		
Set	AT+REGDT=<Data><CR>		
Return	<CR><LF>OK<CR><LF>		

4.40. AT+REGSND

Parameter	Description	Default Value	Range
<Type>	Identity packet sending method	link	link: Sending identity packet before first package after establishing connection
			data: Sending Identity packet in every package.
			link&data: Supporting above two methods
Format			
Query	AT+REGSND<CR>		

Return	<CR><LF>+REGSND:<Type><CR><LF><CR><LF>OK<CR><LF>
Set	AT+REGSND=<Type><CR>
Return	<CR><LF>OK<CR><LF>

4.41. AT+HEARTEN

Parameter	Description	Default Value	Range
<Status>	Status of heartbeat packet function	ON	ON/OFF
Format			
Query	AT+HEARTEN<CR>		
Return	<CR><LF>+HEARTEN:<Status><CR><LF><CR><LF>OK<CR><LF>		
Set	AT+HEARTEN=<Status><CR>		
Return	<CR><LF>OK<CR><LF>		

4.42. AT+HEARTDT

Parameter	Description	Default Value	Range
<Data>	Heartbeat packet data	7777772E7573722E63	Less than 40 bytes
Format			
Query	AT+HEARTDT<CR>		
Return	<CR><LF>+HEARTDT:<Data><CR><LF><CR><LF>OK<CR><LF>		
Set	AT+HEARTDT=<Data><CR>		
Return	<CR><LF>OK<CR><LF>		

4.43. AT+HEARTTP

Parameter	Description	Default Value	Range
<Type>	Heartbeat packet sending method	NET	COM: Sending to serial side
			NET: Sending to network side
Format			
Query	AT+HEARTTP<CR>		
Return	<CR><LF>+HEARTTP:<Type><CR><LF><CR><LF>OK<CR><LF>		
Set	AT+HEARTTP=<Type><CR>		
Return	<CR><LF>OK<CR><LF>		

4.44. AT+HEARTTM

Parameter	Description	Default Value	Range
<Time>	Heartbeat packet interval	30s	1-65535s

Format	
Query	AT+HEARTTM<CR>
Return	<CR><LF>+HEARTTM:<Time><CR><LF><CR><LF>OK<CR><LF>
Set	AT+HEARTTM=<Time><CR>
Return	<CR><LF>OK<CR><LF>

4.45. AT+HTPTP

Parameter	Description	Default Value	Range
<Type>	HTTP requesting method	GET	GET/POST
Format			
Query	AT+HTPTP<CR>		
Return	<CR><LF>+HTPTP:<Type><CR><LF><CR><LF>OK<CR><LF>		
Set	AT+HTPTP=<Type><CR>		
Return	<CR><LF>OK<CR><LF>		

4.46. AT+HTPURL

Parameter	Description	Default Value
<URL>	HTTP URL	/1.php?
Format		
Query	AT+HTPURL<CR>	
Return	<CR><LF>+HTPURL:<URL><CR><LF><CR><LF>OK<CR><LF>	
Set	AT+HTPURL=<URL><CR>	
Return	<CR><LF>OK<CR><LF>	

4.47. AT+HTPSV

Parameter	Description	Default Value	Range
<Address>	Server address	test.usr.cn	IP address: 0.0.0.0-255.255.255.255
			Domain name
<Port>	Server port	80	1-65535
Format			
Query	AT+HTPSV<CR>		
Return	<CR><LF>+HTPSV:<Address>,<Port><CR><LF><CR><LF>OK<CR><LF>		
Set	AT+HTPSV=<Address>,<Port><CR>		
Return	<CR><LF>OK<CR><LF>		

4.48. AT+HTPHD

Parameter	Description	Default Value
<Head>	HTTP header data	Accept:text/html[0D][0A]
Format		
Query	AT+HTPHD<CR>	
Return	<CR><LF>+HTPHD:<Head><CR><LF><CR><LF>OK<CR><LF>	
Set	AT+HTPHD=<Head><CR>	
Return	<CR><LF>OK<CR><LF>	

4.49. AT+HTPPK

Parameter	Description	Default Value	Range
<Status>	Status of filtering HTTP header of response data	ON	ON/OFF
Format			
Query	AT+HTPPK<CR>		
Return	<CR><LF>+HTPPK:<Status><CR><LF><CR><LF>OK<CR><LF>		
Set	AT+HTPPK=<Status><CR>		
Return:	<CR><LF>OK<CR><LF>		

4.50. AT+DSTNUM

Parameter	Description
<Number>	Target phone number in SMS transparent transmission mode
Format	
Query	AT+DSTNUM<CR>
Return	<CR><LF>+DSTNUM:<Number><CR><LF><CR><LF>OK<CR><LF>
Set	AT+DSTNUM=<Number><CR>
Return	<CR><LF>OK<CR><LF>

4.51. AT+SMSSEND

Parameter	Description	Range
<Number>	Target phone number	
<Type>	Coding scheme	1: ASCII coding, have compression
		2: 8 bits coding, no compression
		3: UCS2 coding
<Data>	Message data	

Format	
Query	AT+SMSSEND<CR>
Return	<CR><LF>+SMSSEND:<Number>,<Type>,<Data><CR><LF><CR><LF>OK<CR><LF>
Set	AT+SMSSEND=<Number>,<Type>,<Data><CR>
Return	<CR><LF>OK<CR><LF>

4.52. AT+CLOUDEN

Parameter	Description	Default Value	Range
<Status>	Status of USR Cloud function	OFF	ON/OFF
Format			
Query	AT+CLOUDEN<CR>		
Return	<CR><LF>+CLOUDEN:<Status><CR><LF><CR><LF>OK<CR><LF>		
Set	AT+CLOUDEN=<Status><CR>		
Return:	<CR><LF>OK<CR><LF>		

4.53. AT+CLOUDID

Parameter	Description	Range
<ID>	USR Cloud ID	20 bytes
Format		
Query	AT+CLOUDID<CR>	
Return	<CR><LF>+CLOUDID:<ID><CR><LF><CR><LF>OK<CR><LF>	
Set	AT+CLOUDID=<ID><CR>	
Return:	<CR><LF>OK<CR><LF>	

4.54. AT+CLOUDPA

Parameter	Description	Range
<Password>	USR Cloud password	8 bytes
Format		
Query	AT+CLOUDPA<CR>	
Return	<CR><LF>+CLOUDPA:<Password><CR><LF><CR><LF>OK<CR><LF>	
Set	AT+CLOUDPA=<Password><CR>	
Return:	<CR><LF>OK<CR><LF>	

4.55. AT+LBS

Parameter	Description
<LAC>	Location code
<CID>	Base station code
Format	
Query	AT+LBS<CR>
Return	<CR><LF>+LBS:<LAC>,<CID><CR><LF><CR><LF>OK<CR><LF>

4.56. AT+GPIO1

Parameter	Description	Default Value	Range
<Status>	Status of GPIO1(UART2_RTS of module)	0	1: high level
			0: low level
Format			
Query	AT+GPIO1<CR>		
Return	<CR><LF>+GPIO1:<Status><CR><LF><CR><LF>OK<CR><LF>		
Set	AT+GPIO1=<Status><CR>		
Return:	<CR><LF>OK<CR><LF>		

4.57. AT+GPIO2

Parameter	Description	Default Value	Range
<Status>	Status of GPIO2(I2C_SCL of module)	1	1: high level
			0: low level
Format			
Query	AT+GPIO2<CR>		
Return	<CR><LF>+GPIO2:<Status><CR><LF><CR><LF>OK<CR><LF>		
Set	AT+GPIO2=<Status><CR>		
Return:	<CR><LF>OK<CR><LF>		

4.58. AT+CSQ?

Parameter	Description
<RSSI>	RSSI of module
Format	
Query	AT+CSQ?<CR>
Return	<CR><LF>+CSQ:<RSSI><CR><LF><CR><LF>OK<CR><LF>

5. Contact

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6. Disclaimer

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7. Update History

2017-6-26 V1.0.0 created. Based on firmware version V2.2.0.

2017-10-25 V1.0.1 updated. Based on firmware version V2.2.0. Added a new command AT+CSQ?. Modified some words to standards and corrected spelling/grammatical mistakes. Optimized whole manual arrangement.

2018-06-04 V1.0.2 updated. Modified **2. How to use the AT command**(Add **2.2. Transparent transmission AT command mode** and **2.3. SMS AT command mode**). Updated web page link. Modified some words to standard terms. Corrected grammar mistakes. Optimized whole manual format.