
	Doc.Type PM500 Modem SDK Guide		Author SW R&D Dept.		Page of Pages 1 / 6
	Model PM500		Doc.No.	Rev. V02	Date 2020.11.18

PM500 Modem SDK Guide

Pointmobile Co., Ltd.
S/W R&D Team

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	Doc.Type PM500 Modem SDK Guide	Author SW R&D Dept.		Page of Pages 2 / 6
	Model PM500	Doc.No.	Rev. V02	Date 2020.11.18

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Revision History

Revision	Date	Change Description	Author
V01	2020.08.19	Initial draft	Emma Jung
V02	2020.11.18	Modified result value of Dial number up command	Emma Jung



	Doc.Type PM500 Modem SDK Guide	Author SW R&D Dept.		Page of Pages 3 / 6
	Model PM500	Doc.No.	Rev. V02	Date 2020.11.18

Table of Contents

1. Send Data String	4
2. Receive Data String	4
3. Send AT Command	4
4. Dial number up command.....	5
5. Hook on command	5
6. Hook off command	6
7. Initialization modem	6
8. Open / Close Echo	6

	Doc.Type PM500 Modem SDK Guide	Author SW R&D Dept.		Page of Pages 4 / 6
	Model PM500	Doc.No.	Rev. V02	Date 2020.11.18

1. Send Data String

Send a data string.

Function	<code>Int Lib_ApiModemSendString(byte[] stringdata, int length)</code>
Parameter	stringdata (byte[]) – String of data
	length (int) – Size of stringdata
Return Value	0: Success to send a byte of data -1: Fail to send a byte of data

2. Receive Data String


Receive a data string

Function	<code>int Lib_ApiModemRcvString(byte[] stringdata, int[] length)</code>
Parameter	stringdata (byte[]) - Received data will be copied to this buffer
	length[0] (int) - Received data's length will be copied to this variable
Return Value	0: Success to receive string of data -1: Fail to receive string of data

3. Send AT Command

Send AT command to Modem device

Function	<code>int Lib_ApiModemSendAtcmd(byte[] atCmd, int inLen, byte[] atOut, int[] outLen, int timeout)</code>
Parameter	atCmd (byte[]) - AT command According to the Modem datasheet
	inLen (int) - AT command length
	atOut (byte[]) - Response to the AT command
	outLen (int[]) - Response data length

	Doc.Type PM500 Modem SDK Guide	Author SW R&D Dept.		Page of Pages 5 / 6
	Model PM500	Doc.No.	Rev. V02	Date 2020.11.18

	timeout (int) - Timeout waiting for response(ms)
Return Value	0: Success to send AT command -1: Fail to send AT command

4. Dial number up command


Dial number up

Function	<code>int Lib_ApiModemDialUp(byte[] DialNo, int mode)</code>
Parameter	DialNo (byte[]) : Phone number
	mode (int) 0: Asynchronous 1: Synchronize (not support)
Return Value	0: Success to dial number up -5005: No carrier -5010: Busy -5018: No dialtone Others: Fail to dial number up

5. Hook on command

Hook on to PSTN (public switched telephone network)

Function	<code>int Lib_ApiModemHookOn()</code>
Parameter	void
Return Value	0: Success to hook on to PSTN -1: Fail to hook on to PSTN

	Doc.Type PM500 Modem SDK Guide	Author SW R&D Dept.		Page of Pages 6 / 6
	Model PM500	Doc.No.	Rev. V02	Date 2020.11.18

6. Hook off command

Hook off to PSTN (Public switched telephone network)

Function	<code>int Lib_ApiModemHookOff()</code>
Parameter	void
Return Value	0: Success to hook off to PSTN -1: Fail to hook off to PSTN

7. Initialization modem

Initialization the modem

Function	<code>int Lib_ApiModemInit()</code>
Parameter	void
Return Value	0: Success to initialize -1: Fail to initialize

8. Open / Close Echo

Function	<code>int Lib_ApiModemSetEcho(int mode)</code>
Parameter	mode (int) 0: Close echo 1: Open echo
Return Value	0: Success to open / close -1: Fail to open / close