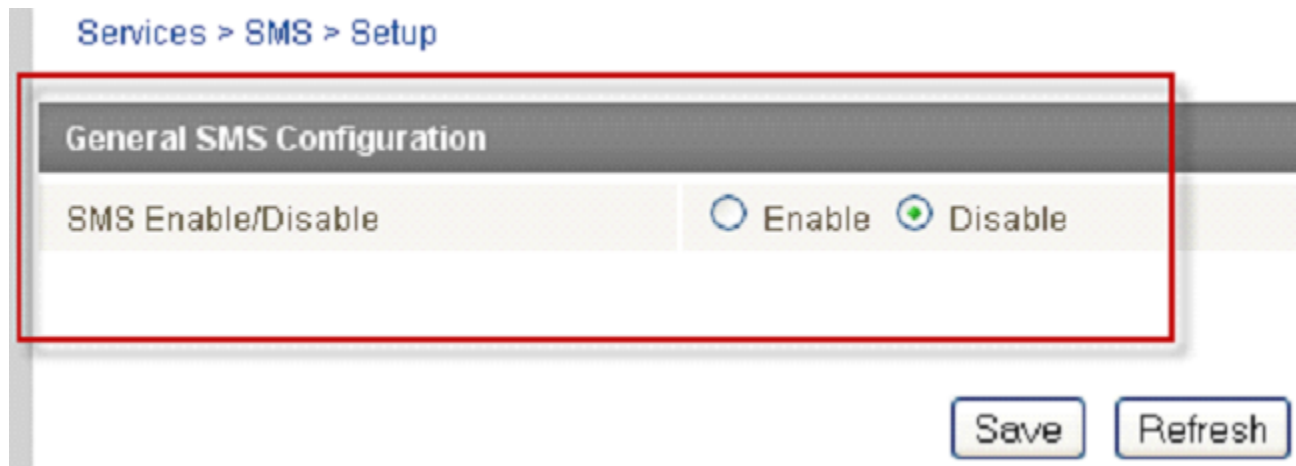**NetComm**Wireless

NetCommWireless

How do I Send and Receive SMS Messages via Serial Connection?

(NTC-6908)

How do I Send and Receive SMS Messages via Serial Connection?

The NTC-6908 routers can send and receive SMS messages using AT commands. Please follow the steps below,

1. Disable SMS functionality on web UI

Services > SMS > Setup

General SMS Configuration

SMS Enable/Disable   ⚪ Enable   🔘 Disable

Save   Refresh

2. Sending a SMS via AT commands

Connect a serial RS-232 cable from the NTC-6908 to a PC or laptop with a serial connection.

Default RS-232 Communication Parameters:

Bits Per Second:	115,200
Data Bits:	8
Parity:	None
Stop Bits:	1
Flow Control:	Hardware

Note: NTC-6908 use Standard RS-232 DE-9 Pinout, check User Manual for more details.

➢ AT+CPIN?

Check the PIN status of the SIM card. If it is PIN enabled use AT+CPIN="XXXX" (Where XXXX is the SIM PIN) to unlock the SIM.
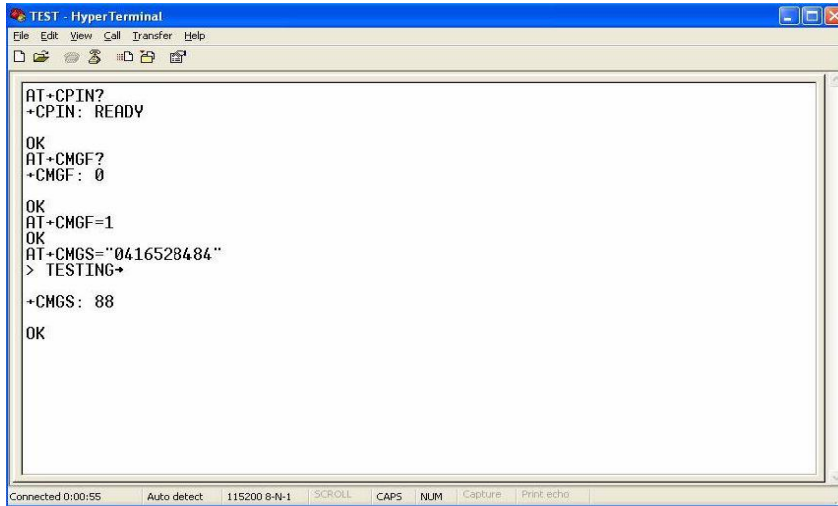
➢ AT+CMGF?

Check whether the SMS is set to Text or PDU (Hex) mode. Set as appropriate to the router capabilities.

➢ AT+CMGF=1

Set to SMS Text mode.

➢ AT+CMGS="+61416528484"

Testing <Control +Z>
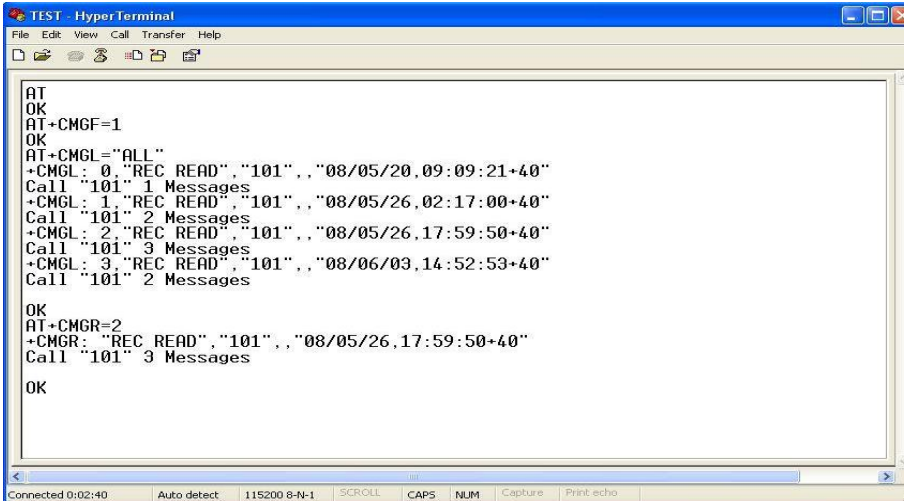
3. _Reading SMS via AT Commands_

➢ AT+CMGF=1

➢ Set router to SMS Text or PDU (Hex) Mode as appropriate.

➢ AT+CMGL="ALL"

   List all received messages.

➢ AT+CMGR=2

   Read the message with an index of 2.

```
TEST - HyperTerminal

File  Edit  View  Call  Transfer  Help

AT
OK
AT+CMGF=1
OK
AT+CMGL="ALL"
+CMGL: 0,"REC READ","101",,"08/05/20,09:09:21+40"
Call "101" 1 Messages
+CMGL: 1,"REC READ","101",,"08/05/26,02:17:00+40"
Call "101" 2 Messages
+CMGL: 2,"REC READ","101",,"08/05/26,17:59:50+40"
Call "101" 3 Messages
+CMGL: 3,"REC READ","101",,"08/06/03,14:52:53+40"
Call "101" 2 Messages

OK
AT+CMGR=2
+CMGR: "REC READ","101",,"08/05/26,17:59:50+40"
Call "101" 3 Messages

OK

Connected 0:02:40    Auto detect    115200 8-N-1    SCROLL    CAPS    NUM    Capture    Print echo
```

AT Command Manual:
http://media.netcomm.com.au/public/assets/pdf_file/0011/48296/NTC-6000Series_AT_Manual.pdf