



## SMC Modem Developer Kit

Kit includes:

Qty	Part Description	CalAmp Part Number
1	SMC Development Board	823-7815-200
1	Dual Band, SMA, "Rubber Duck" Antenna	401-7500-001
1	3" Mag-Mount Dual Band Antenna with attached 10' RF cable	L2-ANT0003
1	6' Serial Cable, DB9 Male to DB9 Female	L2-CAB0002
1	4" RF Adapter Cable, MMCX Male to SMA Female	497-7500-001
1	AC wall mount, 12VDC, 1.5A out, Power Supply	150-7001-001
1	6' DC Power Cable, Bare Wire	150-7500-002
1	CD containing user manual, quick start guide, etc.	002-7815-001

This kit contains components to set up a SMC Modem for test and development purposes.

**Note:** The user must obtain a data cellular account with the appropriate provider. If you are using a GSM modem you will also require a SIM card from your cellular provider.

### Setup Instructions:

1. Connect the SMC modem to the SMC Modem Developer Board.
2. Attach antenna to the "RF" connector.
3. Attach serial cable to PC and Developer Board.
4. Attach power supply cable. Wait a few minutes for the unit to boot up.
5. Open a HyperTerminal session with the following connection settings:
  - BPS: 115200
  - Data Bits: 8
  - Parity: None
  - Stop Bits: 1
  - Flow Control: Hardware
6. There will be different steps to set up your modem depending on your modem and provider:

#### CDMA

##### **Sprint**

Type **AT+MMR** to reset your modem.

Type **AT+MODIND=1** when the Terminal displays **+MODIND 18** activation is complete.

Type **AT\$SPMDN?** to verify the correct phone number has been set in the device.

##### **Aeris**

Type **AT\$SPMDN?** to verify the correct phone number has been set in the device.

#### GSM

##### **AT&T**

Ensure that the SIM card is correctly inserted into the modem.

Type **AT+CNUM** to verify the correct phone number has been set in the device.

Type **AT+CGDCONT=1,"IP",internet** - The terminal will display **OK**.

Type **AT^SCFG=GPRS/persistentcontexts,1** - The terminal will display **OK**.

7. To ensure your modem was activated successfully first close your HyperTerminal session. Next, set up a Standard Modem and a Dial-Up Network (configure them both for 115200 bps) and attempt to browse the internet using this connection (Dial **#777** for **CDMA** modems and **\*99\*\*\*1#** for **GSM** modems).

Refer to the User Manual for more detailed information. Contact CalAmp Technical Support if you have questions.