

# 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.

### <u>GSM</u>

### 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.