# Met One Instruments CCS MODEM 3 Establishing Cellular Service User Guide



**Met One Instruments CCS MODEM 3 Establishing Cellular Service**

**Note:** This guide is designed to be used in conjunction with the

**Operators Manual CCS MODEM-9800 Manual**

Contents



## Instructions

**A**: Contact your cellular provider and choose an M2M (Machine to Machine) data plan which includes a “Dynamic IP” option. Typical data usage is 5-15MB/month.
Make sure you get the complete APN (Access Point Name) from your provider. A Silicon Labs CP210x USB driver must be installed on the host computer before connecting it to the CCS MODEM 3 USB Type B-Mini port. Note: Before using the USB Type B port, ensure nothing is connected to the RS-232 port on the front panel.
Driver download weblink: **https://metone.com/software/**

**B:** Some cellular carriers may require an IMEI Number. The IMEI number is located on the CCS MODEM 3 CELLULAR Web Address Data sheet, that is provided in the large yellow envelope with the system and is unique to each unit. When the IMEI number is required the micro-SIM card must be kept with its mated unit.

**C:** A SIM card is required and can be purchased from a local store or via mail. The SIM card must be a 1.8V/ 3V SIM holder for micro-SIM card (3FF). This is being used in an LTE Cat 4 Embedded Modem with 3G fallback via a SIM Card extender that accepts the micro-SIM (3FF) card. Modem make/model: MTSMC-L4G1.R1A

**D:** Make sure you get the complete APN (Access Point Name) from your provider.
This must be programmed into your device via the USB Type B-Mini serial interface port located on the bottom panel of the CCS MODEM 3 using a terminal emulator. (e.g. COMET, HyperTerminal, Putty, etc.)

**E**: Connect power to the CCS MODEM 3. Launch a terminal emulator program (e.g. COMET, HyperTerminal, Putty, etc.). By default, the USB RS-232 port communication protocol is: 115200 Baud, 8 data bits, no parity, one stop bit, and no flow control.
Once connected, the terminal connection window should now be open. Rapidly press the Enter key three times. The window should respond with an asterisk (*) indicating that the program has established communication with the modem.

**F:** We recommend programming the APN into the system prior to actually installing the SIM card into the front panel. Send the APN command followed by a space, followed by the given APN exactly as it is provided from your carrier.

**Example:** APN iot.aer.net

**Establishing Cellular Service for "CCS Modem 3": (continued)**

**Figure 1**


**G.** Disconnect power to the instrument. Remove the dust cap to access the SIM card slot. Install the SIM card into the SIM card slot on the bottom panel of the CCS MODEM 3 orienting the SIM card as shown in Fig. 1 above. Press the card all the way into the slot (you will feel a spring engage during this step). Once the card is fully engaged it will lock into the fully engaged position. If the SIM card is not installed correctly, the modem will not work.

**H.** Thread on the dust cap. If you experience any trouble setting up your device, please contact the Met One service department.

## Customer Support

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## Documents / Resources

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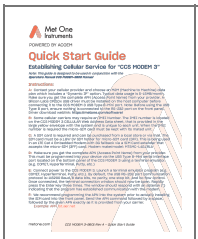
|  | Met One Instruments CCS MODEM 3 Establishing Cellular Service [pdf] User Guide<br>CCS MODEM-9800, MTSMC-L4G1.R1A, CCS MODEM 3 Establishing Cellular Service, CCS MODEM 3, Establishing Cellular Service, Cellular Service |

## References

- iot.aer.net
- Met One - Precision Air Quality Monitoring Instruments
- User Manual