



MicroCom-CM Utility Program

Version 1.20

User Manual



Revision 1.02

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MICROCOM-CM UTILITY 1.20 INTRODUCTION

The MicroCom-CM utility was developed to assist field engineers to monitor the MicroCom device in real-time and to confirm the operation of field instrumentation and sensors. The utility allows the field engineer to apply scaling values and offsets to the analog counter values (raw data). The analog inputs section in the utility display the analog counter values as well as the conditioned data (after scaling and offset). Graphical displays represent MicroCom-CM LED's and the state of various I/O's.

MAIN SCREEN

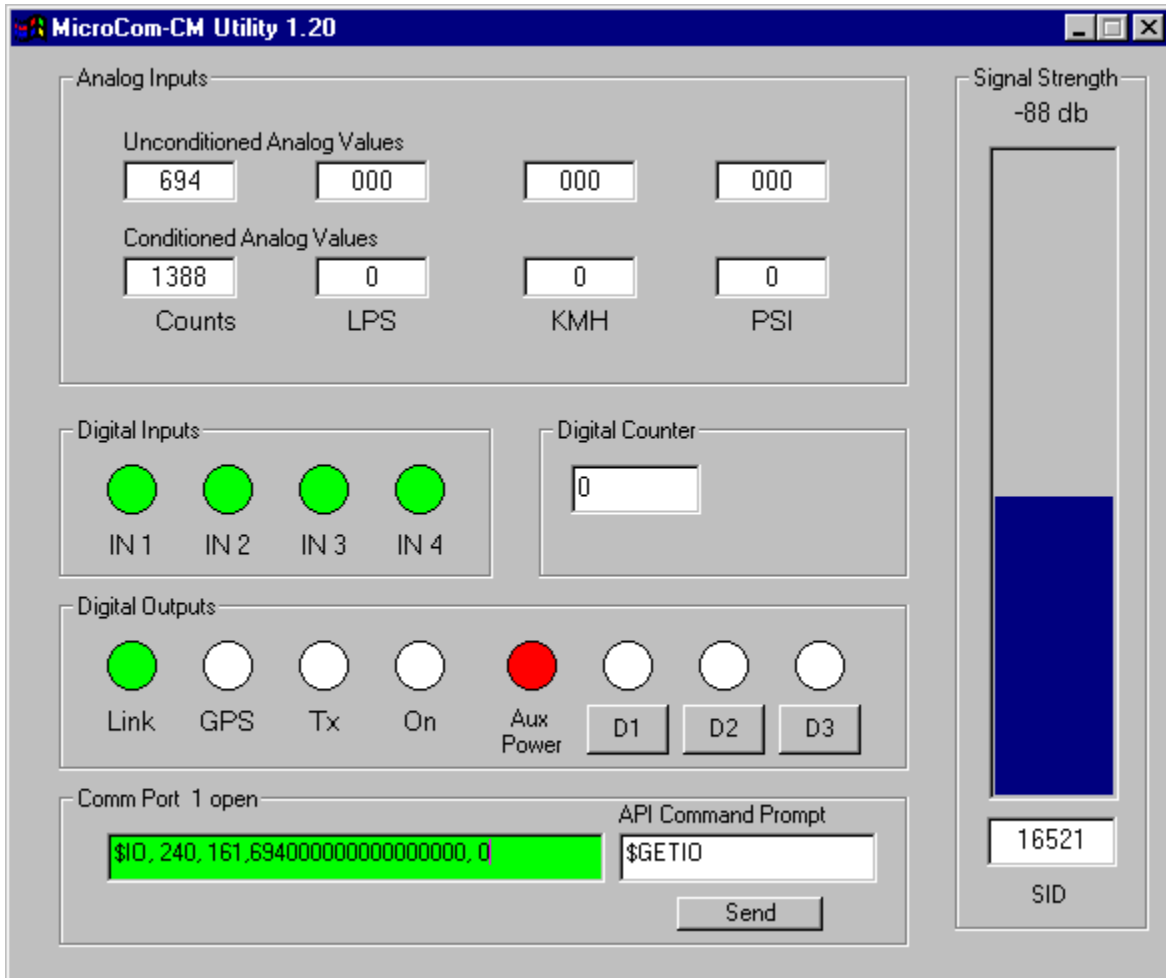


Figure 1 Main Screen (connected)

Signal Strength/SID

Click once inside SID (System Identification Number) text box or the RSSI (Receive Signal Strength Indicator) progress bar to receive SID info and signal strength.

COMM PORT

Connect – Click mouse inside text box once to connect and once again to disconnect.

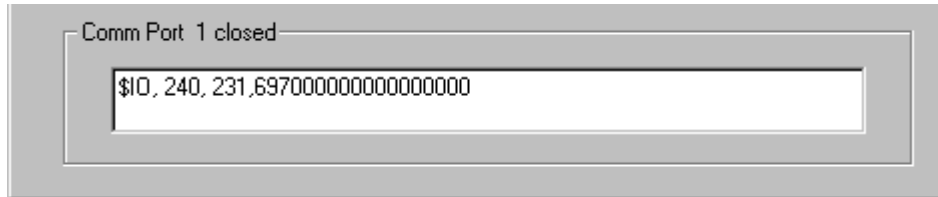


Figure 2 Communication Port Status

Green Display – Connected to MicroCom-CM unit
White Display – Not connected to MicroCom-CM unit

Comm Port Properties – Double click inside text box to configure communications port.

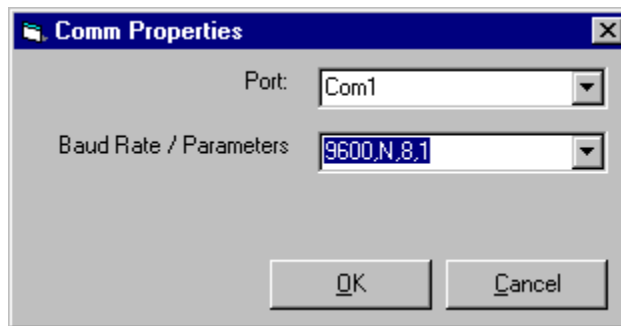
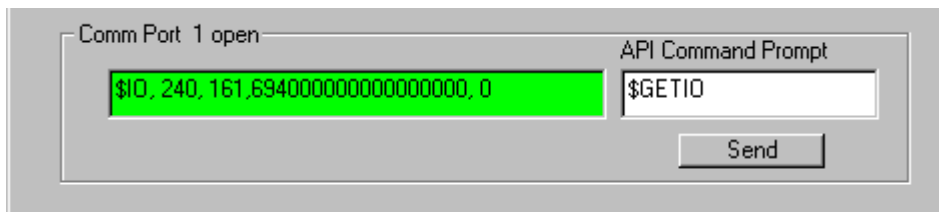


Figure 3 Communications Port Properties Screen

API COMMAND PROMPT

The API command prompt* provides the ability to issue commands directly to the MicroCom-CM.



Type the API command in the API Command Prompt text box and click Send to issue the command.

*The API command prompt is an advanced feature, for API commands contact ROM technical support.

ANALOG INPUTS

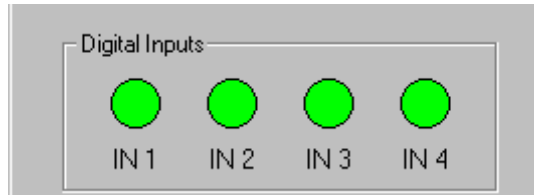


Figure 4 Analog input display screen

First Row - Analog to digital counter values (raw data)

Second Row – Conditioned values (double click text box to set scaling, offset, engineering units, and labels).

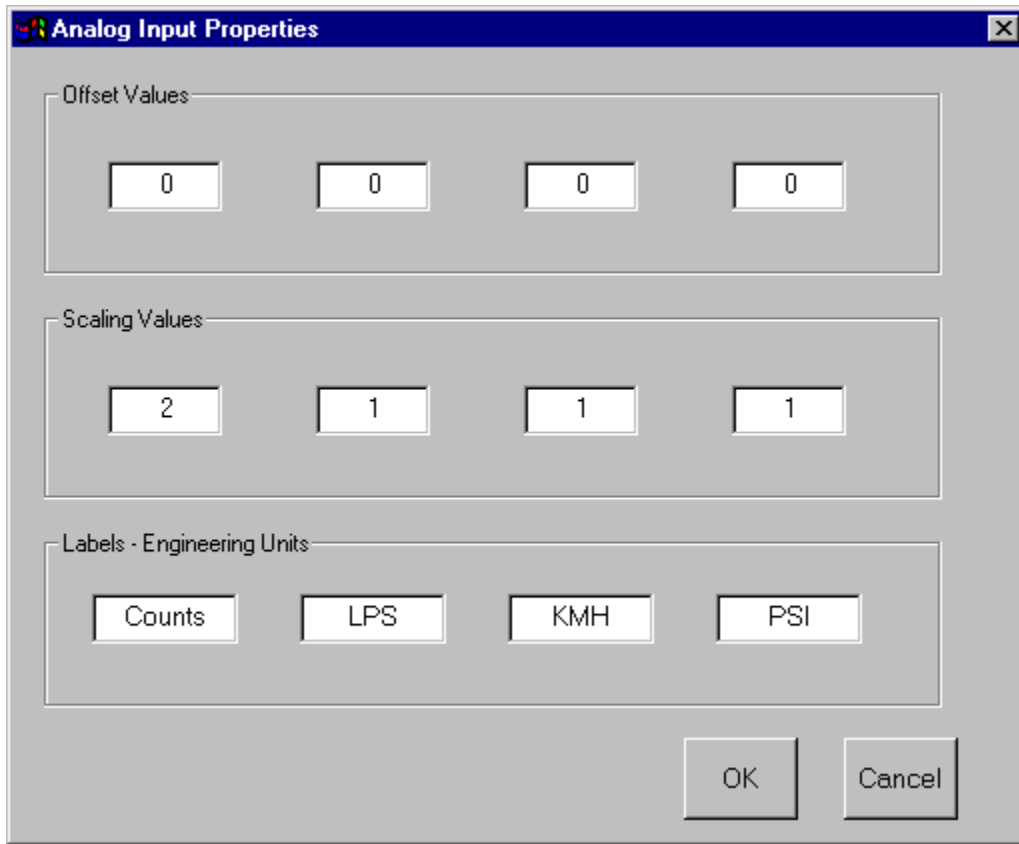


Figure 5 Analog input properties screen

DIGITAL INPUTS

Displays the current state of digital inputs 1-4.

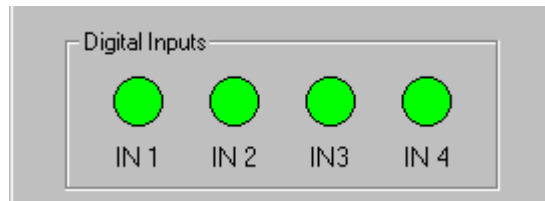


Figure 6 Digital input display screen

Green Light – Digital input is in a High State
 White Light – Digital input is in a Low State

DIGITAL OUTPUTS

Displays the current state of the MicroCom-CM unit and of the digital outputs 1 to 3.

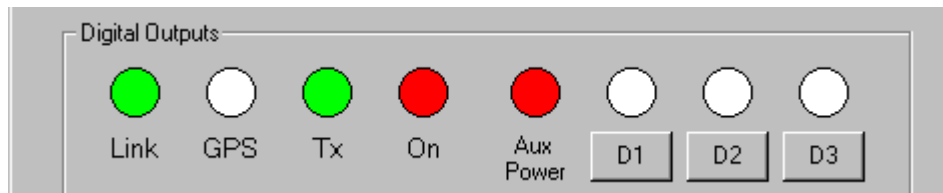


Figure 7 Digital output display screen

Link – Displays link state

Green – Cellular service
 White – No cellular service

GPS – Displays GPS state

Green – Satellite service
 White – No satellite service

Tx – Transmission state

Green – Unit is transmitting data
 White – Unit is not transmitting data

On – Power state

Red – Unit power is on.
 White – Unit power is off

Aux Power – Shows auxiliary power state

Red – Unit auxiliary power is on
 White – Unit auxiliary power is off

Out 1, 2, 3 – Displays the state of digital outputs 1-3

White – Output is in a low state
 Green – Input is in a high state
 Buttons - Toggles digital 1-3 state