

SBE 37-SI (RS-485) MicroCAT Reference Sheet

(see SBE 37-SI [RS-485] MicroCAT User's Manual for complete details)

System Setup

1. Install I/O cable connector, aligning raised bump on connector side with large pin on MicroCAT. Connect to computer serial port and power supply.
2. Double click on SeaTerm.exe.
3. Once main screen appears, in Configure menu select SBE 37.
4. On COM Settings tab of dialog box, select the following:
 - Serial Port: COM1 through COM10 are available.
 - Baud Rate: 9600 (or other if applicable).
 - Data Bits: 8
 - Parity: None
 - Mode: RS-485 (half duplex)
 - Modem/RS485 ID: Automatically get ID if 1 MicroCAT on RS-485 line; Prompt ID if multiple MicroCATs on line
5. Click Connect on Toolbar. SEATERM should return an **S>** prompt.
6. Set Date and Time — see Command Instructions and Command List.
7. Set up other parameters if desired — see Command Instructions and Command List.

Deployment

1. Wiring– Install I/O cable connector, aligning raised bump on side of connector with large pin on MicroCAT. Install locking sleeve. Connect I/O cable connector to computer serial port and power supply.
2. Anti-foul cups: Remove protective plugs and verify cups contain anti-foul cylinders. Leave protective plugs off for deployment.
3. Attach MicroCAT to mooring line with Sea-Bird mounting brackets.

Command Instructions

- Input commands in upper or lower case letters, and register commands by pressing Enter key.
- MicroCAT sends **?CMD** if invalid command is entered.
- If system does not return **S>** prompt after executing a command, press Enter key to get **S>** prompt.
- If new command is not received within 2 minutes after completion of a command, MicroCAT returns to quiescent (sleep) mode.
- If in quiescent (sleep) mode, re-establish communications by pressing Connect on Toolbar or Enter key to get **S>** prompt.
- For reliable operation, all commands *may* need to be preceded with two @ characters to clear communications microcontroller receive buffers.
Example (status command for MicroCAT 01): **S>@@#01DS**

Shown on page 2 are the commands used most commonly in the field. See the Manual for complete listing and detailed descriptions.

