

Re: Day 1 Notes

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To: **emartin@mbari.org** | emartin@mbari.org

Cc: **Amanda Nicholas** | amanda@boxfish.nz

Hi Eric,

I've enclosed some information on the software and commands interfaces with compass, USBL, DVL.

Info on using the serial connection on the WiSub to turn on/off the ROV from the surface of a wirelessly connected OEM is below.

1. WiSub Maelstrom Command Structure

The commands used to communicate with Maelstrom are human readable and can be accessed using a serial terminal program or a custom program. Note that commands can be lower or uppercase, Maelstrom will convert it all to uppercase.

1.1. Serial Port Configuration

The serial port for both the Maelstrom TX is configured as follows:

- 115200 baud rate
- 8 data bits
- 1 stop bit
- No parity bits

1.2. Pinouts Maelstrom TX

Maelstrom TX uses UART 5V-TTL on J9 to interface with the communications system. The pinout is as follows:

J9 Pin	Function
1	+5V
2	RX (data in)
3	TX (data out)
4	GND
5	n/a
6	n/a

1.3. Commands

CTL=ON<CR>

CTL=OFF<CR>

The Maelstrom TX must be powered in order to send these commands.

Kind regards,
Craig



Craig Anderson

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[Book an e-meeting with me](#)

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