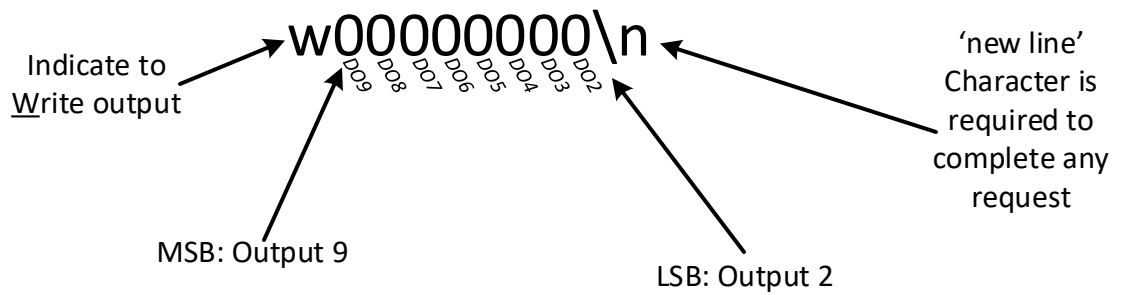


MPD Ethernet Controller

To set the outputs, send a command formatted like this

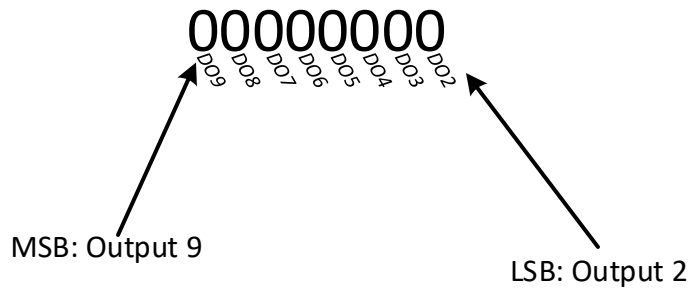


When write request is complete, it will respond with the character 'k'

To Query the state of the outputs:

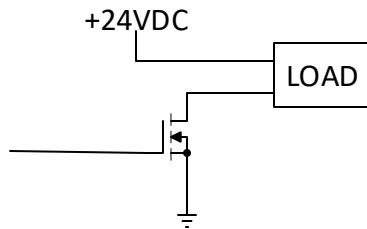
`r\n`

Device will respond with 8 bytes. 0 indicates the output is off, 1 indicates that it's on



Outputs

DO2

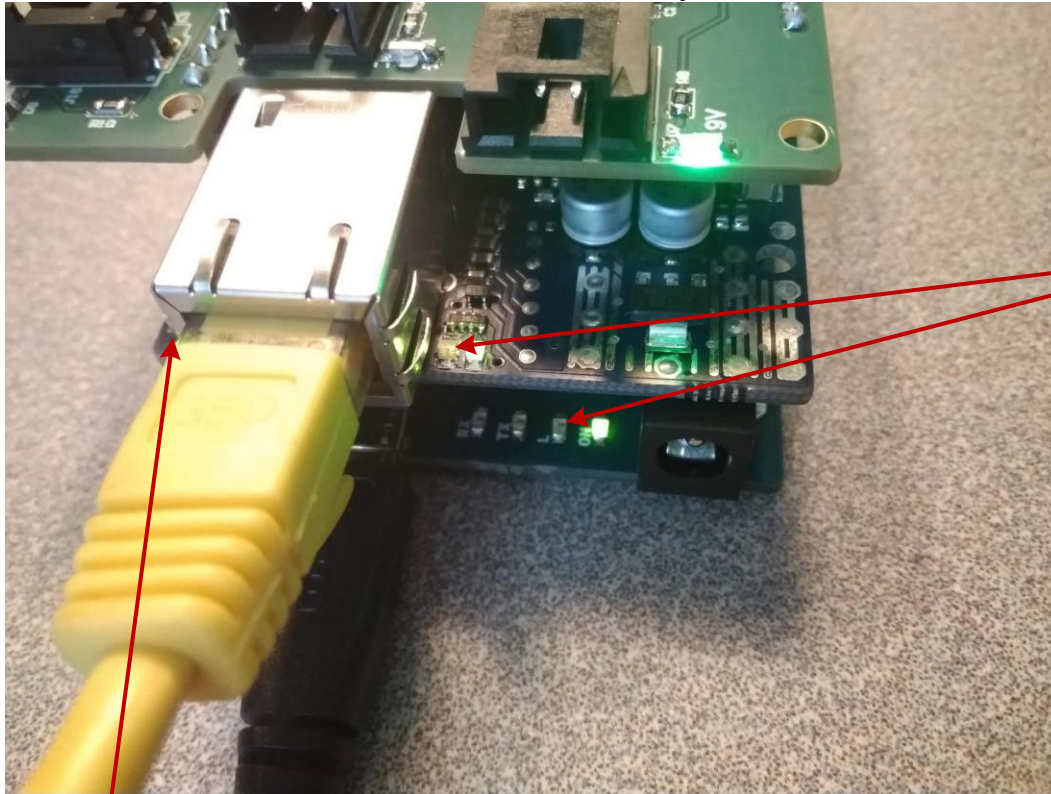


DO3-9

DO3-9 are TTL Outputs

Debugging

There is a status LED on the Ethernet Shield and the Arduino, and a reset button on the opposite side of the Ethernet jack. It's labeled 'reset'.



Status LED

Reset Button
(hidden)

If there is a malfunction communicating with the Ethernet Shield, the Status LED will blink fast (100ms on, 100ms off).

If the Ethernet cable is detected as 'unplugged', the LED will light solid green/yellow.

Fix issues and RESET device using the button.

You can connect to the device over Serial:

9600baud, 8N1

It will print the messages that it is receiving and sending, as well as any startup issues. It will also print the set IP Address, Port, and MAC Address on startup. Connect the Serial Terminal within 5 seconds of startup to receive those messages.