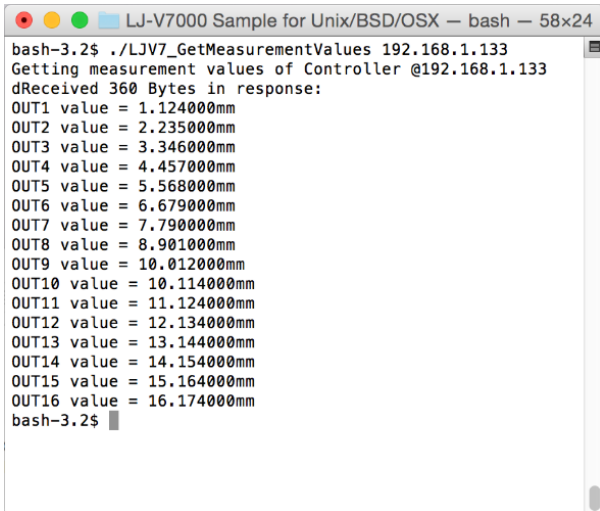


## Sample: LJ-V7000 Native Ethernet communication



```
bash-3.2$ ./LJV7_GetMeasurementValues 192.168.1.133
Getting measurement values of Controller @192.168.1.133
dReceived 360 Bytes in response:
OUT1 value = 1.124000mm
OUT2 value = 2.235000mm
OUT3 value = 3.346000mm
OUT4 value = 4.457000mm
OUT5 value = 5.568000mm
OUT6 value = 6.679000mm
OUT7 value = 7.790000mm
OUT8 value = 8.901000mm
OUT9 value = 10.012000mm
OUT10 value = 10.114000mm
OUT11 value = 11.124000mm
OUT12 value = 12.134000mm
OUT13 value = 13.144000mm
OUT14 value = 14.154000mm
OUT15 value = 15.164000mm
OUT16 value = 16.174000mm
bash-3.2$
```

Language: C

Distribution: plain C-Files

Product: LJ-V7000

Version: 22.10.2014

Purpose: show how to use LJ-V7000 without  
API under non-Windows-Systems like  
Linux/UNIX/OSX or PLC

### Description:

Different samples of how to use our document “LJ-V7000 series Communications protocol.xls” under non-Windows-Systems running an OS like Linux, Unix or OSX. May be transferred to PLC-programming as well.

### Limitations:

- Some samples work only with controller in ‘Advanced-Mode’
- Only Ethernet-connection is supported
- Does not work under Windows

### Usage:

- Use *gcc* or any other C-Compiler for compiling the c-files (binary files compiled under OSX are included)
- Connect LJ-V7000 via Ethernet, note IP-Address of controller
- Start program from your favorite terminal
- Calling the binary without any arguments will give information about how to use specific sample

### Example:

```
./LJV7_GetMeasurementValues 192.168.1.133
```

(will query all OUT measurements from LJ-V7000 controller with IP-Address 192.168.1.133)

### Please Note:

For the sake of simplicity this sample does not cover advanced error handling methods (i.e. connection errors or thread-handling errors). Error messages or failure states may occur when using this program.

Use our document “LJ-V7000 series Communications protocol” for adding more functions (sample shows only basic principle of operation and interpretation of data). Change *#include*-Statements in c-Files to use under Windows if necessary.

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