```
kid@kid-X220:~$ sudo /home/kid/esp/esptool/esptool.py --port /dev/ttyUSB0
write_flash 0x0 /home/kid/esp/garten-relais.factory.bin
esptool.py v4.5-dev
Serial port /dev/ttyUSB0
Connecting....
Detecting chip type... Unsupported detection protocol, switching and trying
again...
Connecting......
Detecting chip type... ESP32
Chip is ESP32-D0WD-V3 (revision v3.1)
Features: WiFi, BT, Dual Core, 240MHz, VRef calibration in efuse, Coding Scheme
None
Crystal is 40MHz
MAC: 28:05:a5:4c:34:ac
Uploading stub...
Running stub...
Stub running...
Configuring flash size...
Flash will be erased from 0x00000000 to 0x000e2fff...
Compressed 927008 bytes to 598530...
Writing at 0x00022d48... (10 %)
A serial exception error occurred: Write timeout
Note: This error originates from pySerial. It is likely not a problem with
esptool, but with the hardware connection or drivers.
For troubleshooting steps visit:
https://docs.espressif.com/projects/esptool/en/latest/troubleshooting.html
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Features: WiFi, BT, Dual Core, 240MHz, VRef calibration in efuse, Coding Scheme
None
Crystal is 40MHz
MAC: 28:05:a5:4c:34:ac
Uploading stub...
Running stub...
Stub running...
Configuring flash size...
Flash will be erased from 0x00000000 to 0x000e2fff...
Compressed 927008 bytes to 598530...
Writing at 0x0002e427... (16 %)
A serial exception error occurred: Write timeout
Note: This error originates from pySerial. It is likely not a problem with
esptool, but with the hardware connection or drivers.
For troubleshooting steps visit:
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write_flash 0x0 /home/kid/esp/garten-relais.factory.bin
esptool.py v4.5-dev
Serial port /dev/ttyUSB0
Connecting.............................
Detecting chip type... Unsupported detection protocol, switching and trying
again...
Connecting........
Detecting chip type... ESP32
Chip is ESP32-D0WD-V3 (revision v3.1)
```

```
Features: WiFi, BT, Dual Core, 240MHz, VRef calibration in efuse, Coding Scheme
None
Crystal is 40MHz
MAC: 28:05:a5:4c:34:ac
Uploading stub...
Running stub...
Stub running...
Configuring flash size...
Flash will be erased from 0x00000000 to 0x000e2fff...
Compressed 927008 bytes to 598530...
Writing at 0x0005f227... (37 %)
A serial exception error occurred: Write timeout
Note: This error originates from pySerial. It is likely not a problem with
esptool, but with the hardware connection or drivers.
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write_flash 0x0 /home/kid/esp/garten-relais.factory.bin
esptool.py v4.5-dev
Serial port /dev/ttyUSB0
Connecting.....................................
Detecting chip type... Unsupported detection protocol, switching and trying
again...
Connecting....
Detecting chip type... ESP32
Chip is ESP32-D0WD-V3 (revision v3.1)
Features: WiFi, BT, Dual Core, 240MHz, VRef calibration in efuse, Coding Scheme
None
Crystal is 40MHz
MAC: 28:05:a5:4c:34:ac
Uploading stub...
Running stub...
Stub running...
Configuring flash size...
Flash will be erased from 0x00000000 to 0x000e2fff...
Compressed 927008 bytes to 598530...
Writing at 0x00069981... (43 %)
A serial exception error occurred: Write timeout
Note: This error originates from pySerial. It is likely not a problem with
esptool, but with the hardware connection or drivers.
For troubleshooting steps visit:
https://docs.espressif.com/projects/esptool/en/latest/troubleshooting.html
kid@kid-X220:~$ sudo /home/kid/esp/esptool/esptool.py --baud 9600 --port
/dev/ttyUSB0 write_flash 0x0 /home/kid/esp/garten-relais.factory.bin
esptool.py v4.5-dev
Serial port /dev/ttyUSB0
Connecting......................................

A fatal error occurred: Failed to connect to Espressif device: No serial data
received.
For troubleshooting steps visit:
https://docs.espressif.com/projects/esptool/en/latest/troubleshooting.html
kid@kid-X220:~$ sudo /home/kid/esp/esptool/esptool.py --baud 9600 --port
/dev/ttyUSB0 write_flash 0x0 /home/kid/esp/garten-relais.factory.bin
esptool.py v4.5-dev
Serial port /dev/ttyUSB0
Connecting......................................

A fatal error occurred: Failed to connect to Espressif device: No serial data
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kid@kid-X220:~$ sudo /home/kid/esp/esptool/esptool.py --port /dev/ttyUSB0
write_flash 0x0 /home/kid/esp/garten-relais.factory.bin
```

```
esptool.py v4.5-dev
Serial port /dev/ttyUSB0
Connecting....
Detecting chip type... Unsupported detection protocol, switching and trying
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Connecting.......
Detecting chip type... ESP32
Chip is ESP32-D0WD-V3 (revision v3.1)
Features: WiFi, BT, Dual Core, 240MHz, VRef calibration in efuse, Coding Scheme
None
Crystal is 40MHz
MAC: 28:05:a5:4c:34:ac
Uploading stub...
Running stub...
Stub running...
Configuring flash size...
Flash will be erased from 0x00000000 to 0x000e2fff...
Compressed 927008 bytes to 598530...
Writing at 0x0002e427... (16 %)
A serial exception error occurred: Write timeout
Note: This error originates from pySerial. It is likely not a problem with
esptool, but with the hardware connection or drivers.
For troubleshooting steps visit:
https://docs.espressif.com/projects/esptool/en/latest/troubleshooting.html
kid@kid-X220:~$ sudo /home/kid/esp/esptool/esptool.py --port /dev/ttyUSB0
write_flash 0x0 /home/kid/esp/garten-relais.factory.bin
[sudo] Passwort für kid:
esptool.py v4.5-dev
Serial port /dev/ttyUSB0
Connecting......
Detecting chip type... Unsupported detection protocol, switching and trying
again...
Connecting.......
Detecting chip type... ESP32
Chip is ESP32-D0WD-V3 (revision v3.1)
Features: WiFi, BT, Dual Core, 240MHz, VRef calibration in efuse, Coding Scheme
None
Crystal is 40MHz
MAC: 28:05:a5:4c:34:ac
Uploading stub...
Running stub...
Stub running...
Configuring flash size...
Flash will be erased from 0x00000000 to 0x000e2fff...
Compressed 927008 bytes to 598530...
Writing at 0x0001b900... (8 %)
A serial exception error occurred: Write timeout
Note: This error originates from pySerial. It is likely not a problem with
esptool, but with the hardware connection or drivers.
For troubleshooting steps visit:
https://docs.espressif.com/projects/esptool/en/latest/troubleshooting.html
kid@kid-X220:~$ ^C
kid@kid-X220:~$ sudo /home/kid/esp/esptool/esptool.py --baud 115200 --port
/dev/ttyUSB0 write_flash 0x0 /home/kid/esp/garten-relais.factory.bin
esptool.py v4.5-dev
Serial port /dev/ttyUSB0
Connecting......
Detecting chip type... Unsupported detection protocol, switching and trying
again...
Connecting......
Detecting chip type... ESP32
Chip is ESP32-D0WD-V3 (revision v3.1)
Features: WiFi, BT, Dual Core, 240MHz, VRef calibration in efuse, Coding Scheme
None
```

```
Crystal is 40MHz
MAC: 28:05:a5:4c:34:ac
Uploading stub...
Running stub...
Stub running...
Configuring flash size...
Flash will be erased from 0x00000000 to 0x000e2fff...
Compressed 927008 bytes to 598530...
Writing at 0x00054aea... (32 %)
A serial exception error occurred: Write timeout
Note: This error originates from pySerial. It is likely not a problem with
esptool, but with the hardware connection or drivers.
For troubleshooting steps visit:
https://docs.espressif.com/projects/esptool/en/latest/troubleshooting.html
kid@kid-X220:~$ sudo /home/kid/esp/esptool/esptool.py --baud 115200 --port
/dev/ttyUSB0 write_flash 0x0 /home/kid/esp/garten-relais.factory.bin
esptool.py v4.5-dev
Serial port /dev/ttyUSB0
Connecting..............................
Detecting chip type... Unsupported detection protocol, switching and trying
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Connecting....
Detecting chip type... ESP32
Chip is ESP32-D0WD-V3 (revision v3.1)
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None
Crystal is 40MHz
MAC: 28:05:a5:4c:34:ac
Uploading stub...
Running stub...
Stub running...
Configuring flash size...
Flash will be erased from 0x00000000 to 0x000e2fff...
Compressed 927008 bytes to 598530...
Writing at 0x0002e427... (16 %)
A serial exception error occurred: Write timeout
Note: This error originates from pySerial. It is likely not a problem with
esptool, but with the hardware connection or drivers.
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Serial port /dev/ttyUSB0
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Writing at 0x00054aea... (32 %)
A serial exception error occurred: Write timeout
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```

```
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Features: WiFi, BT, Dual Core, 240MHz, VRef calibration in efuse, Coding Scheme
None
Crystal is 40MHz
MAC: 28:05:a5:4c:34:ac
Uploading stub...
Running stub...
Stub running...
Configuring flash size...
Flash will be erased from 0x00000000 to 0x000e2fff...
Compressed 927008 bytes to 598530...
Writing at 0x00037ca8... (18 %)
A serial exception error occurred: Write timeout
Note: This error originates from pySerial. It is likely not a problem with
esptool, but with the hardware connection or drivers.
For troubleshooting steps visit:
https://docs.espressif.com/projects/esptool/en/latest/troubleshooting.html

kid@kid-X220:~$ sudo /home/kid/esp/esptool/esptool.py --baud 9600 --port
/dev/ttyUSB0 write_flash 0x0 /home/kid/esp/garten-relais.factory.bin
esptool.py v4.5-dev
Serial port /dev/ttyUSB0
Connecting......................................

A fatal error occurred: Failed to connect to Espressif device: No serial data
received.
For troubleshooting steps visit:
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Serial port /dev/ttyUSB0
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Connecting......................................

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For troubleshooting steps visit:
https://docs.espressif.com/projects/esptool/en/latest/troubleshooting.html
kid@kid-X220:~$
```