

Commodore 64 Ultimate Rest API Notes

V1 March 21 2026

Replace the IP (192.168.10.237) with your C64U IP

Replace <<YOUR PASSWORD>> with your C64U Password

API Docs

https://1541u-documentation.readthedocs.io/en/latest/api/api_calls.html

Cool Projects:

Capture AV from the C64U over the network.

<https://github.com/chrisgleissner/c64stream?tab=readme-ov-file#c64-stream-source>

C64U Remote

<https://github.com/ReadyOS-C64/C64uRemote>

Configuration Commands:

(note: use %20 for spaces in URLs):

Version

```
curl -k -X GET http://192.168.10.237/v1/version -H "X-Password: <<YOUR PASSWORD>>"
```

Configs (returns categories)

```
curl -k -X GET http://192.168.10.237/v1/configs -H "X-Password: <<YOUR PASSWORD>>"
```

```
{
  "categories": [
    "Audio Mixer",
    "SID Sockets Configuration",
    "UltiSID Configuration",
    "SID Addressing",
    "C64 and Cartridge Settings",
    "U64 Specific Settings",
    "Clock Settings",
    "Network settings",
```

```
"WiFi settings",
"Modem Settings",
"LED Strip Settings",
"Data Streams",
"Software IEC Settings",
"User Interface Settings",
"Tape Settings",
"Drive A Settings",
"Drive B Settings"
],
"errors": []
}
```

Configs (returns configs for a category)

```
curl -k -X GET http://192.168.10.237/v1/configs/UltiSID%20Configuration -H "X-Password: <<YOUR PASSWORD>>"
```

```
curl -k -X GET http://192.168.10.237/v1/configs/U64%20Specific%20Settings -H "X-Password: <<YOUR PASSWORD>>"
```

Configs (returns configs for a specific category Item)

```
curl -k -X GET
http://192.168.10.237/v1/configs/UltiSID%20Configuration/UltiSID%201%20Filter%20Curve -H
"X-Password: <<YOUR PASSWORD>>"
```

```
curl -k -X GET http://192.168.10.237/v1/configs/U64%20Specific%20Settings/System%20Mode -
H "X-Password: <<YOUR PASSWORD>>"
```

```
curl -k -X GET
http://192.168.10.237/v1/configs/U64%20Specific%20Settings/Joystick%20Swapper -H "X-
Password: <<YOUR PASSWORD>>"
```

```
curl -k -X GET http://192.168.10.237/v1/configs/U64%20Specific%20Settings/CPU%20Speed -H
"X-Password: <<YOUR PASSWORD>>"
```

Configs (Set a specific item)

```
curl -k -X PUT
http://192.168.10.237/v1/configs/U64%20Specific%20Settings/Joystick%20Swapper?value=Swapped -H "X-Password: <<YOUR PASSWORD>>"
```

Machine Commands

Reset

```
curl -k -X PUT http://192.168.10.237/v1/machine:reset -H "X-Password: <<YOUR PASSWORD>>"
```

Reboot

```
curl -k -X PUT http://192.168.10.237/v1/machine:reboot -H "X-Password: <<YOUR  
PASSWORD>>"
```

Pause

```
curl -k -X PUT http://192.168.10.237/v1/machine:pause -H "X-Password: <<YOUR  
PASSWORD>>"
```

Resume

```
curl -k -X PUT http://192.168.10.237/v1/machine:resume -H "X-Password: <<YOUR  
PASSWORD>>"
```

Power Off

```
curl -k -X PUT http://192.168.10.237/v1/machine:poweroff -H "X-Password: <<YOUR  
PASSWORD>>"
```

Toggle Menu

```
curl -k -X PUT http://192.168.10.237/v1/machine:menu_button -H "X-Password: <<YOUR  
PASSWORD>>"
```

Joystick Commands

Get the current setting

```
curl -k -X GET  
http://192.168.10.237/v1/configs/U64%20Specific%20Settings/Joystick%20Swapper -H "X-  
Password: <<YOUR PASSWORD>>"
```

JSON returned with a current node that has the state. The path to the current node is "U64 Specific Settings.Joystick Swapper.current"

```
{  
  "U64 Specific Settings" : {  
    "Joystick Swapper" : {  
      "current" : "Swapped",  
      "values" : [ "Normal", "Swapped", "WASD Port 2", "WASD Port 1"],  
      "default" : "Normal"  
    }  
  },  
  "errors" : [ ]  
}
```

Set the Joystick Swapper setting

```
curl -k -X P:UT  
http://192.168.10.237/v1/configs/U64%20Specific%20Settings/Joystick%20Swapper?value=Ne  
wValue -H "X-Password: r0@dent"
```

CPU Commands

Get the current speed

```
curl -k -X GET http://192.168.10.237/v1/configs/U64%20Specific%20Settings/CPU%20Speed -H "X-Password: <<YOUR PASSWORD>>"
```

JSON returned with a current node that has the state. The path to the current node is "U64 Specific Settings.CPU Speed.current"

```
{
  "U64 Specific Settings" : {
    "CPU Speed" : {
      "current" : " 1",
      "values" : [ " 1", " 2", " 3", " 4", " 6", " 8", "10", "12", "14", "16", "20", "24", "32", "40", "48", "64" ],
      "default" : " 1"
    }
  },
  "errors" : [ ]
}
```

Set a new CPU speed

```
curl -k -X PUT http://192.168.10.237/v1/configs/U64%20Specific%20Settings/CPU%20Speed?value=NewValue -H "X-Password: <<YOUR PASSWORD>>"
```

CPU Speeds need to be passed in a two character values. They didn't do the logical thing with prefixing the single digit values with 0, but use a space. So that must be sent in as %20 . . .

Set to 1 MHz (need to pass " 1" as %201 - %20 + 1)

```
curl -k -X PUT http://192.168.10.237/v1/configs/U64%20Specific%20Settings/CPU%20Speed?value=%201 -H "X-Password: <<YOUR PASSWORD>>"
```

Set to 10MHz (need to pass 10, no %20 needed as 10+ are two digit numbers)

```
curl -k -X PUT http://192.168.10.237/v1/configs/U64%20Specific%20Settings/CPU%20Speed?value=10 -H "X-Password: <<YOUR PASSWORD>>"
```

Invoke the Menu

Undocumented command to bring up the onscreen menu

```
curl -k -X PUT http://192.168.10.237/v1/machine:menu_button -H "X-Password: <<YOUR  
PASSWORD>>"
```