

# 2022

## .NET6 user guide for USB

Version: 1.0



## .NET6.0 user guide for USB (Windows & Linux)

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## 1 General

As of now, Yamutec Library works only on Windows x64 or Linux Based x64.

## 2 Minimal Requirements

.NET6 and HIDAPI Library

## 3 Install .NET6 Runtimes for Windows

Go to page <https://dotnet.microsoft.com/en-us/download/dotnet/6.0/runtime> then select tab "Windows" and download the x64 runtime..

## 4 Install .NET6 Runtimes for Ubuntu

Read instructions on <https://docs.microsoft.com/en-us/dotnet/core/install/linux-ubuntu>

## 5 Install HIDAPI Library

This is a C Library that allows communicating with HID devices. This dependency must be installed in order to use Yamutec Library.

For **Windows**:

Download <https://github.com/libusb/hidapi/releases/download/hidapi-0.11.0/hidapi-win.zip>

Note that hidapi.dll depends on Visual C++ 2015 runtimes. Ensure you have it installed, if not, please download from:

<https://www.microsoft.com/en-us/download/details.aspx?id=52685>

For **Ubuntu**:

Run the following:

```
sudo apt-get install libhidapi-libusb0
```

## 6 Test USB Demo Console App

Extract the file Yamutec.DemoUSBConsole.zip

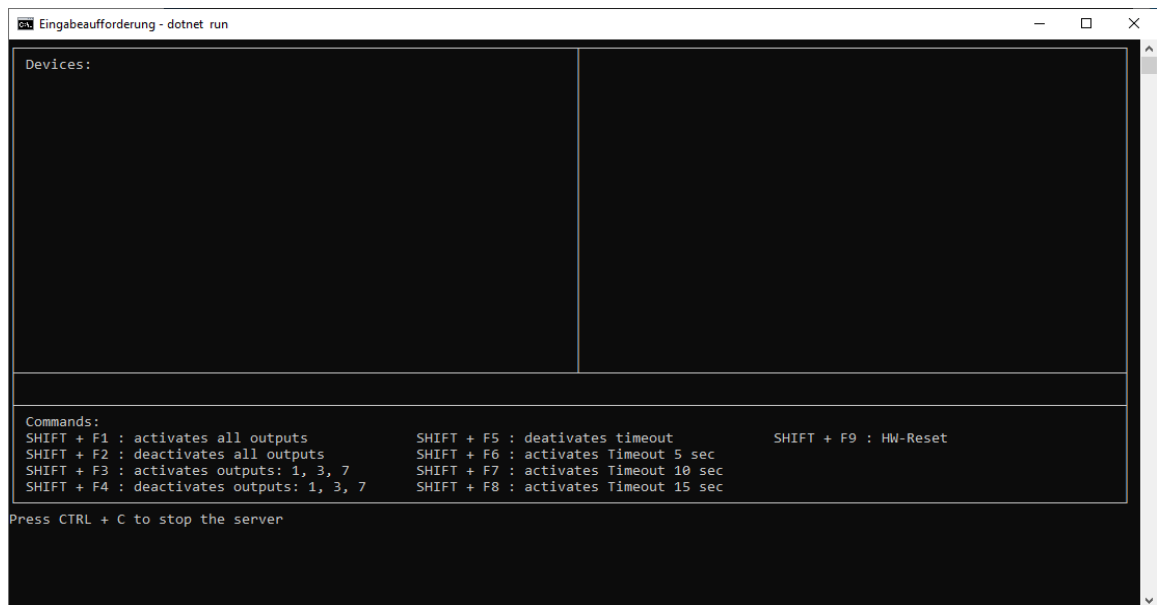
Download: <https://www.yamutec.de/downloads/net6/yamutec.DemoUSBConsole.zip>

## 6.1 For Windows

- Open Command Prompt (CMD)
- Go to the folder where you extracted the zip file

*C:\Users\testPC\Desktop\yamutec\Visual\_Studio\_PC\_Software\_.NET6\_C#\Yamutec.DemoTCPConsole*

- Run the command: dotnet run



## 6.2 For Ubuntu

- Open Terminal
- Go to the folder where you extracted the zip file
- Open file Yamutec.DemoUSBConsole.csproj in a Text Editor
- Search for `<HintPath>dlls\win-x64\Yamutec.Core.dll</HintPath>` and `<HintPath>dlls\win-x64\Yamutec.USB.dll</HintPath>` and replace to `<HintPath>dlls\linux-x64\Yamutec.Core.dll</HintPath>` and `<HintPath>dlls\linux-x64\Yamutec.USB.dll</HintPath>` respectively
- Run the command: `sudo dotnet run`

Please note that on Ubuntu you must run the demo app with elevated privileges, therefore you must run: `sudo dotnet run`