

Braille Display BD-40 II USB Electronic

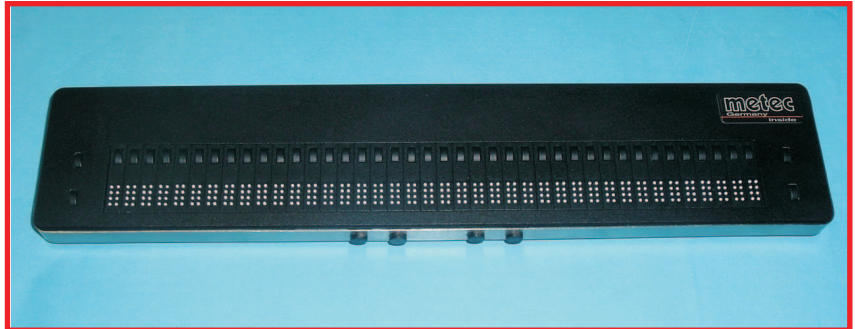
Abstract

Installing the Driver

Testapplications

Braille Device Class

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The USB Interface connects a PC with a Braille Line assembled with metec Braille Modules (B11 or B16)
This Doku is valid for the USB-Device 01#00.

First connect the device with your pc. When there is no matching driver the operating system requests one.
Select the appropriate driver for 32 or 64 bit systems. Choose the folder where metec_x86.sys or metec_x64.sys is located.
The driver fits for Windows 7 and Windows 8.

In our Software Development Kit are some projects with source code and compiled files to communicate with our braille line.
The sample projects are developed with Microsoft Visual Studio 2010 in C# and Windows 7. You can order this SDK by contact@metec-ag.de
You can download a free version of Visual Studio 2012 Express for Windows Desktop to run the samples. It communicates with the driver via DeviceIOControl.

We defined a class BrailleDevice over which you can communicate with the device.
Make an instance of it, call Connect, set Data in the buffer, call Write and close.
For reading keys you have to read the keys form the device with Read.

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Braille Device
Class

Demo Simple
Console

Demo Windows
Forms

After converting the value with `ba = Endian.ToBigEndian(ba)`;
the value 1 sets pin 1, value 2 sets pin 2, value 4 sets pin 3 and so on. It is the lsb mode.

Position of the pins in a cell:

Button

1 4

2 5

3 6

7 8

This is a very simple test client in a console with a minimum of code.

This is a test program for our braille line that shows braille text on the device. It is made for slower computers with .NET framework 2.0 and Windows Forms. We recommend to test the Hardware with this programm, because one can see each key and set all the dots.