

# Basics

Some basic knowledge of MIDI and DIY electronics will help you in building a MIDIBox. This page will help cover the basics.



## Getting started

- [Getting Started FAQ](#)
- [Troubleshooting](#)
- [Electronics Basics](#)
- [Digital Electronics](#)
- [Introduction to MIDI](#)
- [Electronics DIY Common Tools](#)
- [Case and Frontpanels DIY Common Tools](#)
- [MIDIbox Internal Components](#)
- [Ordering Parts](#)

## Soldering





- [Soldering Tips](#)

## Prototyping



- [Etching PCB DIY](#)

## Midiboxing Softwares



## PCB

- [KiCAD Open Source PCB Design](#) - PCB Design Open-source
- [Eagle PCB](#) - PCB Design FreeWare + Commercial

## FrontPanel / Case

- [FreeCad Open Source Technical Drawing](#) - Solidworks like CAD
- [FrontPanel Designer](#) - Frontpanels making for Schaeffer

## Concept Drawing / Documentation

- [Inkscape Open Source Vector Graphics](#) - Vector Drawing
- [Blender Open Source 3D](#) - Artistic 3D
- [LibreOffice](#) - Excel-word like

## Programming

- [MIDIbox Programming Tools](#)

## Practical Tips

- [Tips & Tricks Forum Section](#)
- [Forum Highlights](#)

## Codes & Values

- [Calculator.org](#) - Multi-purposes Units Converter
- [Resistor color decoder](#) - Resistor color code Calculator SmashTV's MIDIbox Site
- [CSGnetwork](#) - Capacitor Color Code Calculator

## Learning & Looking up



- [MIDI Specification and MIDI Protocol](#)



**Fix Me!**

*the following sections are quite outdated*

- [Encyclopedia of electronic terms](#)
- [References](#)
- [Book Reviews](#)

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<https://wiki.midibox.org/> - **MIDIbox**

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Last update: **2016/08/04 09:49**

