DIY Common Tools for Electronics

You will find Here a List of Common Tools Used For Electronics DIY.
You don't absolutely ***need*** to have all of these things, but it sure helps!

Using a tool for purposes other than those for which it was designed can be just a little more difficult, or downright dangerous. Please be safe :)

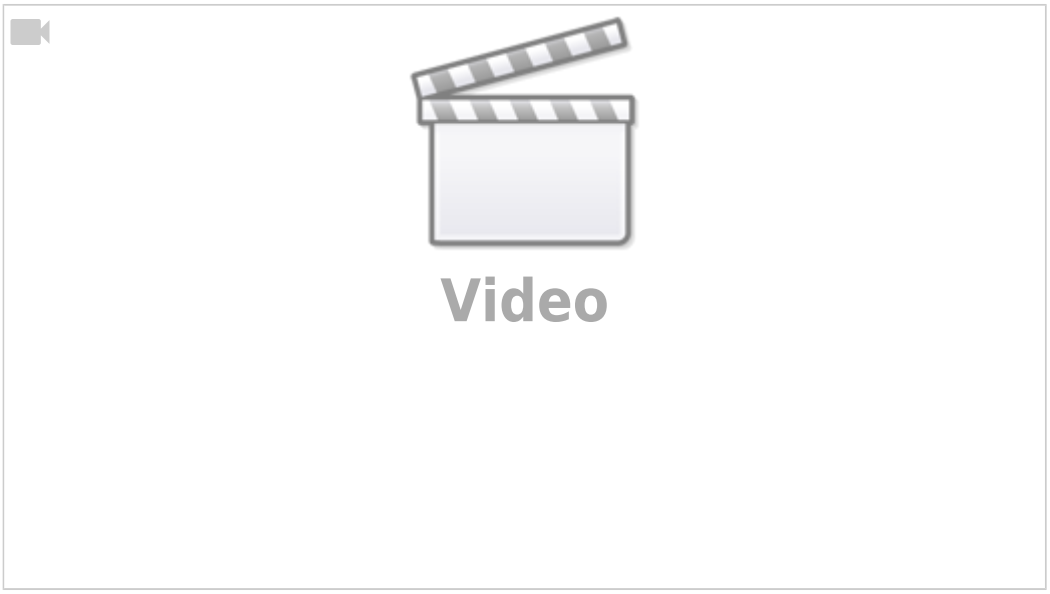
General / Safety

General

1. **Workbench** - Protect your house, have a proper work area
2. **Storage Unit** - Put your tools and components somewhere safe
3. **Small Plastic Cups** - Somewhere to put things temporarily. Don't leave your kit lying around.

Safety

1. **Safety Glasses** - Protect your sense of sight
2. **Face mask** - Protect your lungs
3. **Fire Extinguisher** - Don't let your soldering iron start a fire you can't put out
4. Fire Blanket - As above
5. Soldering Smoke Absorber/Ventilator - MMmmm, Lead smoke. Mmmmm, Cancer. Mmmm, Insanity. Mmm.... I think not.

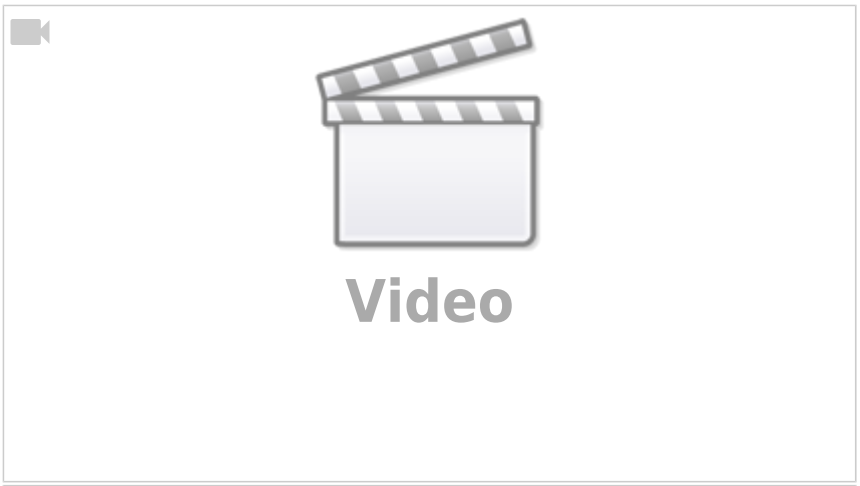


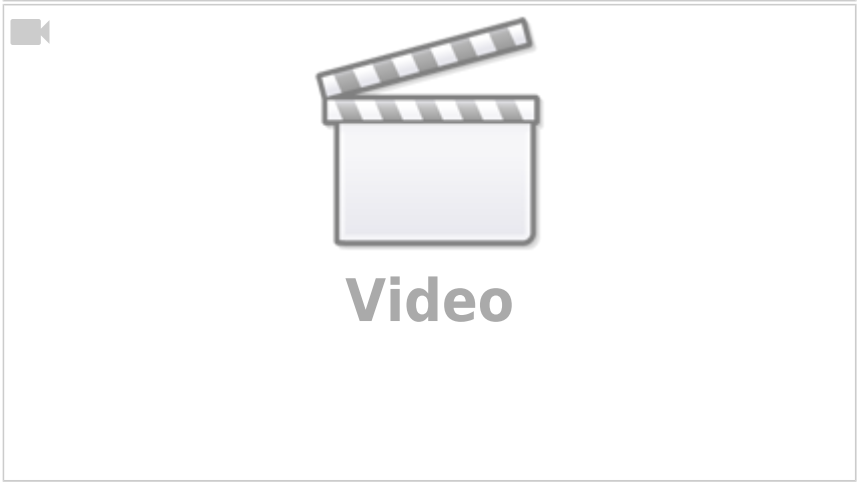
Electrical Instruments

1. **Multimeter** - For testing circuitry Voltages, Resistors and Transistors

2. **Oscilloscope** - For testing signals. Dual trace is better , allow signals comparison
3. Power Supply - Regulated lab power supply . Help in getting the right Voltages inputs

Video Tutorials





Soldering

1. **Soldering Iron or Station with Stand**- Temperature controlled
2. **Solder** - Good quality solder for good quality joints, 63/37 Eutectic
3. **Desoldering Pump** - - For removing soldered chips

- Soldering Iron Tip Cleaner - Take care of your tools
- Tinning Block - for taking care of soldering iron tips
- PCB Holders - Make soldering easier and cleaner

Trimming and Fastening

- **Cutters** - For trimming componenet leads
- **Screwdriver Set** - Various sizes
- IC Puller / Placer
- Wire Strippers - For stripping insulation from cabling

- Pliers Set - Various Sizes and types
- Claw - One of those little pens with a three-fingered claw for grabbing loose bits from where fingers can't reach
- IDC Crimping Tool - Because doing it with pliers sucks
- Electrical Tape

Misc

- Mirror - Little mirror on a telescopic shaft for peeking where your eyes can't reach
- Compressed Air Can - For cleaning stuff by blasting off dust

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