

Thank you for attending this presentation of the Chelsea Amateur Radio Club where tonight we will present some of the basics of soldering as it might be applicable to amateur radio operators.



One very primary consideration in soldering is the soldering iron. Generally, for amateur radio you want to avoid at all costs the 1,500 Watt monster soldering guns. You can use them but it increases a risk of over-heating the joint and causing a variety of other problems. Considerations in the selectio of a soldering iron include temperature, size of the tip, how you tin the tip, are the tips switchable, iron cleaning, and time to heat the tip. Heating time might not seem like a big item but just wait until you start soldering and have to wait until the tip reaches a good temperature.



There was a day when you could go to your local hardware store or order online and not have to be concerned with the quality of the solder you are buying. Generally you are probably okay if you are looking to buy everyday solder. But if you are looking for eutectic solder, for example, you better go to the electronics supply houses and avoid Amazon.



You want to add flux to any joint that you solder. Using rosin-core solder simplifies this so that it happens while you solder. However, you may want to consider brushing on flux in addition to what the solder core deliveres.



There are optimal soldering temperatures depending on varied conditions. However, if you use a typical soldering pen, you will be okay as a general rule. To be assured of optimal temperatures, you will have to research it. I would present more information here but the subject is too varied.







Think seriously about accessories you want to have ready at the beck-and-call. They make life easy but moreso, they aid in producing reliable results. Probably on the top of the list is a jig with articulating arms. Also, there will be times when you decided you made a mistake and you want to de-solder. A solder-wick spool helps greatly in this.



If you don't mind spending \$200 to \$400, a workstation will go a long way to easing your soldering life.























