

To get started in MeshCore, visit this website for the latest and complete information. <https://meshcore.co.uk/>

This website and wiki will answer most questions you may have.

Hardware:

There are two main components to get you going. A companion radio and a repeater. The nice thing is, it's the same hardware for multiple devices. Just use the web flasher to make it perform a different function.

**The companion radio** connects to your smartphone via BlueTooth and transmits to a repeater on 910.525 MHz for the US.

**The repeater**, repeats the messages to other repeaters and on and on.

**For ready made components I've added some links from Amazon.**

A solar powered repeater. The Seeed SenseCAP like the one installed at the SGC HOA. <https://tinyurl.com/34n3sar2>

Portable companion radios. <https://tinyurl.com/yc4fhwu4>

<https://tinyurl.com/565h6kud>

There are many more to choose from but these will get you going in short order.

**The DIY route.** This is how I got started. 😊

The HelTec V3 boards. <https://tinyurl.com/33848ccu>  
<https://tinyurl.com/4h6f67vp>

HelTec V4 boards. More power! Not good for solar though.  
If you're going to use it as a repeater, you don't need a display so it saves a few dollars.

<https://tinyurl.com/2s3czyt9>

A waterproof box of some kind. <https://tinyurl.com/yc7vkvd7>

Antennas: 900 MHz The ones that come with the boards are minimal. However, I use one to reach my repeater just outside the house. For a repeater, you should upgrade.

Good DIY set. <https://tinyurl.com/33sdzmuk>  
I'm getting several miles on these antennas.

The type installed at the SGC HOA <https://tinyurl.com/4yfm22n2>

18650 Lithium batteries. <https://tinyurl.com/hvt4mvzc>

20' USB cable if you want to power your repeater from mains.  
<https://tinyurl.com/kpz85k3>

A 5V solar panel like this. <https://tinyurl.com/y9c324sb>

Batteries, cases, external antennas and solar. Your imagination comes into play here.

Like any other hobby, you can spend a little or a lot to get the results you want.

Density is the key to getting MeshCore viable and reliable for the community.

Kelly Combes

[WO4KAC@Gmail.com](mailto:WO4KAC@Gmail.com)

