1. AllStarLink (ASL) is a digital network to link RF radios.

2. Go to *AllStarLink.org* to obtain node numbers. A node is simply a connection into the network.
   a. Using RF to RF on a local over-the-air system does not require a node number.
   b. If you desire to link to other than a local node from your radio, then you need a node number.
   c. If you desire to use digital, such as a cellphone, to link to the network, then you need a node number.

3. I suggest you get at least two node numbers.
   a. Put in your call sign and a password for one.
   b. Put in you callsign with -L for link and a password for the other. Use this on the Raspberry.

4. Several specialty node controllers are available. These are proprietary and only work if you purchase their computer machines. Clear Node does not work on our system.

Not a cellphone

5. iOS is used on Apple devices.
   a. Go to AppStore.
   b. **_RepeaterPhone_** is the only generic app. It works fabulously on an iPhone and iPad tablet.
   c. Cost: $7.99
   d. The app loaded on my iPhone, her iPhone, and my iPad. So, price per device is not bad.
   e. Important: The App does NOT collect any data.
   f. Setup: You will need your Callsign and ASL node number.
   g. A few screens need configured on each device.
   h. I suggest using your native call-sign on the phone.
   i. Her phone registered with her call and my registered with my call. So, there are not many restrictions.
   j. Open the app.
   k. Enter the callsign or node number you want to call. Click Connect.
   l. You can configure to 'touch the green icon to talk, then touch again to release'.
   m. Alternately you can set-up for PTT, which I find inconvenient to take phone up and down.
   n. To hang-up, click the red telephone icon.

6. Android is used on – devices.
   a. .
   b. .
   c.
   d.

7. Testing a node requires two access points. That is why you set-up two node addresses.
   a. AllStarLink does not work with two devices on the same network.
   b. If you use your cellphone for one, very specific guides apply.
   c. Turn-off your Wi-Fi connection and use your cell service.
   d. Use your link address (KI5xxx-L) on the Raspberry.
   e. Be sure password on AllStarLink.org Portal is same as on Raspberry.
   f. The Portal shows registered when the node is on and connectable.
   g. Use your other AllStarLink address on your cell.
   h. Use your cell to call the Raspberry with either a callsign or node number. Click Connect.
   i. Use Putty. Login to the Pi. From ASL Main > 5-ASL Asterisk CLI.
   j. The black screen displays every function you do on the node, so you can see if you need to tweak something.

8. Life is good. Enjoy!