

**Ham 92B - ASV User: Cell-Phone**  
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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 want to allow others to call your node, then you need a node number.
  - d. 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. Use this one for cellphone.
  - 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.
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. Click Directory
  - 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 instructions are by Russ, N5IRU.
  - a. Click the "More" button.
  - b. Click "AllstarLink".
  - c. Click "WT Setup".
  - d. Input your AllStarLink credentials and click "Update token" button.
  - e. Click the "Save" button.
  - f. Below the "More" button, you should see "ASL-WT". If not then do the following:
    - Click the "More" button.
    - Click "AllstarLink".
    - Click "Enter WT Mode"
  - g. I have found that to connect to the KI5UNR-R (584801) node the first time, I have to do the following:
    - Click the "More" button.
    - Click "AllstarLink".
    - Click "Extended ASL Lookup"
    - Enter node number 584801.
    - Click the search icon (magnifying glass).
    - You should see the repeater details as well as who else is connected.
    - Click "Connect" button.
  - h. Audio levels may need to be adjusted once are connected and receive feedback from another ham.
    - Click the "More" button.
    - Click "Audio Settings"
    - Adjust transmit and receive levels as necessary.
7. Chat with any AllStar node, but you cannot receive calls, unless you setup a server.
8. Build a node for full-time online connection.
9. Life is good. Enjoy!



*Not a cellphone*

