

Ham 47A – ASL User: Start to Finish

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If you have a ham license, you really could benefit from knowing about AllStarLink. This is start to finish.

1. *Radio*: a ham radio used for two-way communications.
2. *Repeater*: a radio connecting duplex, transmitting on one frequency while receiving on another.
3. *Link*: a radio connecting simplex, communicating directly on the same frequency.
4. *EchoLink*: a network linking ham computers and phones. We do not use for several reasons.
5. *AllStarLink*: a telephone PBX network for ham radios.
6. *AllStarLink Node*: a radio connected to a Raspberry Pi running AllStarLink App.
7. *Node Number*: a phone number assigned by AllStarLink to a ham callsign. You must have one to make calls.
8. *AllStarLink system*: a network of repeater nodes, link nodes, computers, cellphones, and radios.
9. *Components of AllStarLink radio*: DTMF keypad to enter number, mic button for PTT, mic & speaker for audio.
10. *Make an AllStarLink call*: Use regular radio. Push mic button, hold while entering *code, then AllStarLink Node. Makes connection. Gives tone.
11. *Zup*: Use a normal radio. Call a repeater or link node. It connects through a Raspberry Pi computer to Internet. Use keypad to enter control codes and node (phone) number. Message crosses Internet to other nodes. With keypad, control any or all other nodes, with their owners' permission.
12. *Extension*: You can link multiple nodes simultaneously or any other connection your imagination can dream. The now global network reaches every cranny, extending the Internet on both ends by huge distances. Yep, you can do data, messaging, or other formats. Non-hams can only dream of extending their wireless Internet by dozens of kilometers.
13. *Once connected* to an AllStarLink node anywhere, the conversation is just another repeater.
14. *You are on the air*. Follow good protocol and etiquette.
15. *This is ham*: You can use other nodes or build your own link.
16. *Education*: We have written a full how-to manual. It is straight-forward, but non-trivial. Results are mind-boggling. If you are a maker-ham, you can do it.
17. Life is good. Enjoy!



Not your
grandpa's network

