Ham 45C – ASL Firmware: Sample Node

Dr. Marc & Rosemary 230124

1. The diminutive Raspberry Pi (RasPi, Pi) is the predominant computer for ham experimenting, commercial control, and education. AllStar radio control builds on the Pi.
2. As a computer, a screen, keyboard, and mouse are common. However, the Pi can operate headless. These instructions assume the Pi has a microSD card with operating system already installed.
3. Connect an Ethernet cable and apply power. Allow to get up to speed. Run an IP Network Scanner to find the Pi network address, it will be something like 192.168.1.xx.
4. SSH (Secure Shell) protocol allows secure transfer over an unsecure network used in virtually every data center. PuTTY is TTY-type terminal program for Windows to communicate with the Pi. A more secure method is SFTP (secure file transfer protocol) connection,
5. Load PuTTY on the computer. Open Putty. Enter the IP network address. Enter user ID. Enter user password.
6. If at Command Line move to AllStar menu: *sudo /usr/sbin/asl-menu*. >ASL Main >2 Run Node >edit > AZ Save
   a. Configure Nodes for AllStarLink. Save and make active. Restart after AZ Save.
   b. If needed, move to raspberry configuration menu: *sudo raspi-config*. >S4 Hostname > name <enter>
   c. To restart: *sudo service asterisk restart*

ALLSTARLINK.ORG
Login:
Password:
Node name:
Node Password:

LINUX OS INITIAL
User ID: whour
Pwd: ********
repeater@whour:~$__

USER REPEATER
Make same as Linux, for convenience
Hostname: whour

ALLSTAR LINK ASTERISK
Node number to be used: 58###
Node password: ********
Call sign: KI5xxx-L
Radio interface type: SimpleUSB/usb_58###; SimpleUSB
Manager password: *********

NETWORK
192.168.1.xx
169.254.254.254
Card device 0

Default IAX ####