

Ham 309 - As3 user dtmf

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Why AllStar3? The system uses analog RF to a duplex repeater / simplex radio, which connects through a sound card interface to a Raspberry Pi on the internet. The digital side uses Asterisk PBX protocol to connect and control other radios and computers using a DTMF keypad. AllStarVoip connects RF systems.



With AllStar3, your signal is on a radio & computer. If linked, you are on remote repeaters. Listen before connecting. On your radio, key the mic and transmit your ID. While keyed, send the tones. Wait a couple of seconds for the network exchange. Listen for tones when things change.

You need the node (phone) number for connection and control.
 AllStarLink node numbers: <http://stats.allstarlink.org/>. Use Ham 301 to keep track of all the passwords
 Evergreen: KI5UNR-R, 584801

Common DTMF codes for ASL3 are listed. Optional can be added in rpt.conf.

DTMF	Commands	DTMF	System Commands	DTMF	System Commands
*1 [node]	Disconnect from link number	*4	Enter command mode on link	*711	Force ID local
*10	Disconnect from last connect	*5	macro	*721	Force ID global
*2 [node]	Connect to node, monitor only	*70	System status	*722	Time of Day global
*3 [node]	Connect to node, transceive	*99	Cop,6 PTT phone mode only	*723	Software version global
				*724	GPS location
				*725	Last DTMF user

Example: You are on node 58000, KI5xxx.

You wish to link to Evergreen node 584801. Connect only with approval of both system operators.

Listen. Key up, say your callsign, and enter: *3 584801.

If the node doesn't speak an error, you are connected. Evergreen & your link are one.

Give your ID again, and make your call just like on a radio or announce you are listening if you want to chat.

Example: You are on a radio through the simplex link, 58000.

You wish to see what is linked through Evergreen repeater 584801

Listen. Key up, say your callsign, and enter *75 584801.

The node will read back everything connected.

Example: You are on a radio through simplex link, 58000.

You wish to connect to remote hub node 584801, but do not want to interfere.

Listen. Key up, say your callsign, and enter *2 584801, for receive only.

Transmission on simplex link will not go to remote hub.

Activity on remote hub will be heard on simplex link.

Example: You are in receive only, but wish to initiate transceiver to talk.

Listen. Key up, say your callsign, and enter *3 584801.

You are connected. Give your callsign again, you are on the radio.

When entering codes, after mic push wait two-seconds or until the yellow LED comes on.
 Make key push very deliberate. Press down key, hold for count 1 2, release. Repeat.

NOTE: Two nodes on the same router cannot communicate.
 Life is good. Enjoy!

Key Up:

Wait for xmit about 1 sec.

Finish Talking or DTMF:

Wait to release key about 1 sec.

The radio, computer, and internet take time to process.

