

K3CAL Repeater

146.985 MHz -

PL 156.7 Hz

EchoLink Instructions

EchoLink Node 244506 – Sunderland, MD

You can connect to stations worldwide with just DTMF tones over your HT or mobile radio!
(See <http://www.echolink.org> to look up station node numbers.)

The K3CAL 2 Mtr. Repeater is on 146.985 MHz (- offset) with a PL of 156.7 Hz. This is an open repeater, and all are welcome to use it. Feel free to use this repeater as a normal repeater, but be prepared for someone from anywhere in the world to connect in the middle of your QSO, and please welcome them in.

Below is some information about general commands and how to connect to other nodes using the K3CAL EchoLink repeater:

1) Tune to 146.985 MHz (- offset), PL 156.7 Hz. Listen before accessing the system since others may be using the link. Push and hold your PTT button, then push * on your DTMF keypad, then release both buttons, to determine if you are in range of the repeater. The repeater will transmit an identification message in response unless someone is connected. Send A08 to see if anyone is connected. If a station is connected, it will come back with the call, if not, you will hear "disconnected".

2) To test the quality of your signal into the repeater and quality of the EchoLink network connection, you may access a test station node (called ECHOTEST) by entering station node number A9999. We recommend that all new users try this test node the first time you try EchoLink to help you become familiar with system use. This node will repeat your transmission back to you so you can hear your transmission quality. Remember to press # to disconnect when you are done.

3) To make a call, press in your push to talk and hold it while entering "A" and then the node number of the person you wish to call or enter a code number from the list below.

DTMF CODE

DESCRIPTION

DTMF CODE	DESCRIPTION
Node Number	Enter the 4 or 5 digit Node Number that you'd like to connect to.
#	Once connected, this will Disconnect the link.
*	Station info. Will not play if a station is already connected.
A00	Random connection to Computer User, Link or Repeater
A01	Random connection to Link or Repeater
A02	Random connection to Conference system
A06 Node Number	To check if target node is online
A08	System Status (You'll either hear 'disconnected' or 'connected to ...')
A09	Reconnect to the last connected link.

4) When it is accepted by the gateway, listen for connection messages.

5) The gateway will acknowledge when the connection is made. Monitor for other traffic because you might connect in the middle of a QSO. If the link is busy, it will say, "system is busy" and then it will disconnect.

- 6) Let the carrier drop before you begin to talk. Just remember to wait about 2 seconds after keying before you start to talk. THIS TIMING IS VERY IMPORTANT TO SUCCESS. This is necessary due to delays in your radio, the repeater, and in the transmission over the internet.
- 7) Remember that you are on the radio so use proper protocol. Please ID before accessing the system, and ID as normal (at least once per 10 minutes) during a QSO.
- 8) To end the QSO, transmit # then you should hear the "disconnected" message.