

Northern Kentucky Amateur Radio Club Repeater Access Information

ECHOLINK

Echolink can be accessed via the 147.255 repeater. It allows connections to other hams all around the world. You can link to another station from your radio by following these steps.

Announce your call and that you will be accessing Echolink. Wait and listen to make sure that no other traffic is occurring. Once you are certain the frequency is clear, you can perform any of the following:

Please note that the ‘...’ below indicates a slight pause before continuing with the entries

- To connect to a test area and listen to your audio:
 - ◆ “#...**9999”
- To connect to a specific node:
 - ◆ #...**+Node Number”
 - Where node number is the 6-digit number for the station of interest
- To connect to a specific call sign:
 - ◆ Send “#...C + call sign + #” (please see instructions below for entering call sign information).
- To connect to a random repeater or link:
 - ◆ Send “#...01”
- For Station Shortcuts:
 - ◆ Send “#... + the number associated with the station”
 - The assigned stations of this writing are:
 - 0002 = KF4NFI-R – Repeater link in Knoxville, TN
 - 0003 = KF4VDX-L – Repeater link in Maryville, TN
 - 0050 = KB6MRC-R – Repeater in Los Angeles, CA.
 - 0051 = KH6DQ-L – Repeater in Honolulu, Hawaii
 - 0052 = AL1F-R – Bethel, Alaska
 - 0100 = GB3LV-R – Repeater in London, England
 - 0101 = VK2EX-L – Repeater in Southport (Gold Coast), Australia
- To disconnect, send “#...#”.

Once you have completed your connection, please announce your call sign and that you are clear of Echolink. If you wish to link to this repeater from another Echolink enabled repeater, you can connect through our node number, which is “323896”.

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Call Sign Mapping Table

To enter call sign information for Echolink, use the following mapping information:

- The call sign is entered by sending the number associated with the letter and the number of the letter on that key. The alphabet and numbers are as follows:
 - A=21
 - B=22
 - C=23
 - D=31
 - E=32
 - F=33
 - G=41
 - H=42
 - I=43
 - J=51
 - K=52
 - L=53
 - M=61
 - N=62
 - O=63
 - P=71
 - Q=11
 - R=72
 - S=73
 - T=81
 - U=82
 - V=83
 - W=91
 - X=92
 - Y=93
 - Z=12
 - 1=10
 - 2=20
 - 3=30
 - 4=40
 - 5=50
 - 6=60
 - 7=70
 - 8=80
 - 9=90
 - 0=00

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Other useful Echolink Commands

These commands are the defaults from Echolink itself and will probably work on most other Echolink equipment repeaters. (Please note that we changed the “Connect by node” command to start with ** - the default is to simply use the node number without the beginning **. Additionally, we changed all of the control commands to prevent accidental controls of the node. Everything else is set to the default value.)

Command	Description	Default
Connect	Connects to a station on the Internet, based on its node number.	Num (Ours is **Num)
Connect by Call	Connects to a station on the Internet, based on its callsign.	C+call+#
Random Node	Selects an available node (of any type) at random, and tries to connect to it.	00
Random Link	Selects an available link or repeater (-L or -R) at random, and tries to connect to it.	01
Random Conf	Selects a conference server at random, and tries to connect to it.	02
Random User	Selects an available single-user station at random, and tries to connect to it.	03
RandomFavNode	Selects an available node (of any type) at random from the Favorites List, and tries to connect to it.	001
RandomFavLink	Selects an available link or repeater (-L or -R) at random from the Favorites List, and tries to connect to it.	011
RandomFavConf	Selects a conference server at random from the Favorites List, and tries to connect to it.	021
RandomFavUser	Selects an available single-user station at random, and tries to connect to it.	031
Disconnect	Disconnects the station that is currently connected. If more than one station is	#

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	connected, disconnects only the most-recently-connected station.	
Disconnect All	Disconnects all stations.	##
Reconnect	Re-connects to the station that most recently disconnected.	09
Status	Announces the callsign of each station currently connected.	08
Link Down	Disables EchoLink (no connections can be established).	Not applicable
Link Up	Enables EchoLink.	Not applicable
Play Info	Plays a brief ID message.	*
Query by Call	Looks up a station by its callsign, and reads back its node number and status.	07+call+#
Query by Node	Looks up a station by its node number, and reads back its callsign and status.	06+num
Profile Select	Switches to a different stored set of configuration settings (0 through 9).	Not applicable
Listen-Only On	Inhibits transmission from RF to the Internet.	Not applicable
Listen-Only Off	Restores normal transmission from RF to the Internet.	Not applicable