TheLinkBox

From "AllStarLink Wiki"

This section is circa 2005, and is out of date.

It is possible to interface an app_rpt installation with TheLinkBox Program (by Skip, WB6YMH), using the chan_tlb channel driver.

The connection(s) are accessed and referred to by a locally-assigned (private) node number, staring with '1' (generally 1000-1999, as are any nodes not in the 'public' numbering space). Since the interface is unique to the app_rpt installation, other app_rpt stations must first connect to the app_rpt node(s) configured to connect with the desired TheLinkBox station(s).

Both TheLinkBox and app_rpt sides of the connection must choose a consecutive pair of UDP port numbers on which to communicate (ports 44966/44967 typically) and also must both be on static IP addresses.

TheLinkBox supports the codecs ULAW, G726 and GSM. The app_rpt side of the connection dictates which codec is to be used.

To enable TheLinkBox connectivity, there must be a file /etc/asterisk/tlb.conf specified as follows:

[tlb0] call=WB6NIL-R ; Call of the app_rpt station port=44966 ; Start of UDP port range (this port, port + 1) astnode=2008 ; app_rpt node associated with this instance (for incoming connections) context=radio-secure ; Asterisk context for incoming connections codec=ULAW ; Default CODEC to be used

[nodes] 1001 = W6ABC,12.34.56.78,44966 ; This one is for W6ABC at ip 12.34.56.78:44966 default CODEC 1002 = W1XYZ,11.22.33.44,1234,G726 ; This one is for W1XYZ at ip 11.22.33.44:1234 with G726 CODEC You can, if you wish, have multiple instances under different sections (such as [tlb1], etc) as long as they are on different UDP port pairs.

NOTE: The UDP port pair must start with an even port number. The even port is for the RTP (audio) and the odd port is for the RTCP (control/supervisory).

On TheLinkBox side, you must specify the following in the main configuration file (generally tlb.conf:

RTP_Port = 44966 And you must have an entry if your ACL file (generally tlb.acl) for each app_rpt node as follows:

allow WB6NIL 99.88.77.66 - -R This particular example would allow station WB6NIL-R access from ip 99.88.77.66.

NOTE: You must be running at least version 0.47 of TheLinkBox to use this feature.

Categories: How to │ Obsolete

- This page was last modified on 25 January 2019, at 05:07.