```
; Radio Repeater configuration file (for use with app_rpt)
; Your Repeater
;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;
;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;
;
; This is where you define your nodes which can be connected to.
;

[nodes]
; Note, if you are using automatic update for allstar link nodes,
; no allstar link nodes should be defined here. Only place a definition
; for your local nodes, and private (off of allstar link) nodes here.

1995 = radio@149.28.73.32:4569/1995,NONE          ;private for voip phones
61679 = radio@149.28.73.32:4569/61679,NONE       ;LA-HUB
54464 = radio@104.247.147.250:4570/54464,NONE    ; Meadow node

;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;
;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;
[61679]                                 ; Change this to your assigned node number

                            ; Must also be enabled in modules.conf
                                        ; Rx audio/signalling channel. Choose ONLY 1 per node stanza
                                        ; Enable the selected channel driver in modules.conf !!!
rxchannel = dahdi/pseudo            ; No radio (hub)
; rxchannel = SimpleUSB/usb_61679               ; SimpleUSB
; rxchannel = Pi/1                  ; Raspberry Pi PiTA
; rxchannel = Radio/usb_61679                   ; USBRadio (DSP)
; rxchannel = Dahdi/1                   ; PCI Quad card
; rxchannel = Beagle/1                  ; BeagleBoard
; rxchannel = USRP/127.0.0.1:34001:32001        ; GNU Radio interface USRP
; rxchannel = Voter/61679               ; RTCM device
duplex = 1                          ; 0 = Half duplex with no telemetry tones or hang time.
                            ;     Special Case: Full duplex if linktolink is set to yes.
                            ;     This mode is preferred when interfacing with an external multiport repeater controller.
                                        ;     Comment out idrecording and idtalkover to suppress IDs also
                            ; 1 = Half duplex with telemetry tones and hang time. Does not repeat audio.
                            ;     This mode is preferred when interfacing a simplex node.
                            ; 2 = Full Duplex with telemetry tones and hang time.
                            ;     This mode is preferred when interfacing a repeater.
                            ; 3 = Full Duplex with telemetry tones and hang time, but no repeated audio.
                            ; 4 = Full Duplex with telemetry tones and hang time. Repeated audio only when the
autopatch is down.
linktolink = no                         ; disables forcing physical half-duplex operation of main repeater while
                                        ; still keeping half-duplex semantics (optional)
linkmongain = 0                         ; Link Monitor Gain adjusts the audio level of monitored nodes when a signal
from another node or the local receiver is received.
                                        ; If linkmongain is set to a negative number the monitored audio will decrease
by the set amount in db.
                                        ; If linkmongain set to a positive number monitored audio will increase by the
set amount in db.
                                        ; The value of linkmongain is in db. The default value is 0 db.
erxgain = -3                            ; Echolink receive gain adjustment
                                        ; Note: Gain is in db-volts (20logVI/VO)
etxgain = 3                             ; Echolink transmit gain adjustment
                                        ; Note: Gain is in db-volts (20logVI/VO)
;eannmode = 1                     ; 1 = Say only node number on echolink connects (default = 1)
                            ; 2 = say phonetic call sign only on echolink connects
```

```
                                ; 3 = say phonetic call sign and node number on echolink connects
;controlstates = controlstates                  ; system control state stanza
scheduler = schedule                            ; scheduler stanza
functions = functions                           ; Repeater Function stanza
phone_functions = functions                             ; Phone Function stanza
link_functions = functions                      ; Link Function stanza
telemetry = telemetry                           ; Telemetry stanza
morse = morse                                   ; Morse stanza
wait_times = wait-times                         ; Wait times stanza
context = radio                                 ; dialing context for phone
callerid = "Repeater" <0000000000>                      ; callerid for phone calls
accountcode = RADIO                             ; account code (optional)
hangtime = 1000                                 ; squelch tail hang time (in ms) (optional, default 5 seconds, 5000 ms)
althangtime = 3000                                      ; longer squelch tail
totime = 180000                                 ; transmit time-out time (in ms) (optional, default 3 minutes 180000 ms)
idrecording = |i KE6JZ                          ; Main ID message
idtalkover = |i KE6JZ                           ; Talkover ID message
                                                ; See Telemetry section Example: idrecording = rpt/nodenames/61679
idtime = 540000                                 ; id interval time (in ms) (optional) Default 5 minutes (300000 ms)
politeid = 30000                                ; time in milliseconds before ID timer expires to try and ID in the tail. (optional,
default 30000)
unlinkedct = ct2                                ; Send a this courtesy tone when the user unkeys if the node is not connected to
any other nodes. (optional, default is none)
remotect = ct3                                  ; remote linked courtesy tone (indicates a remote is in the list of links)
linkunkeyct = ct8                               ; sent when a transmission received over the link unkeys
;nolocallinkct = 0                              ; Send unlinkedct instead if another local node is connected to this node (hosted on
the same PC).
; Supermon smlogger
connpgm = /usr/local/sbin/supermon/smlogger 1
discpgm = /usr/local/sbin/supermon/smlogger 0
;connpgm = yourconnectprogram                           ; Disabled. Execute a program you specify on connect. (default)
                                                ; passes 2 command line arguments to your program:
                                                ; 1. node number in this stanza (us)
                                                ; 2. node number being connected to us (them)
;discpgm = yourdisconnectprogram                        ; Disabled. Execute a program you specify on disconnect. (default)
                                                ; passes 2 command line arguments to your program:
                                                ; 1. node number in this stanza (us)
                                                ; 2. node number being disconnected from us (them)
;lnkactenable = 0                               ; Set to 1 to enable the link activity timer. Applicable to standard nodes only.
;lnkacttime = 1800                                      ; Link activity timer time in seconds.
;lnkactmacro = *52                                      ; Function to execute when link activity timer expires.
;lnkacttimerwarn = 30seconds                            ; Message to play when the link activity timer has 30 seconds left.
;remote_inact_timeout =                         ; Specifies the amount of time without keying from the link. Set to 0 to disable
timeout. (15 * 60)
;remote_timeout =                                       ; Session time out for remote base. Set to 0 to disable. (60 * 60)
;remote_timeout_warning_freq =          ; 30
;remote_timeout_warning =                               ; (3 * 60)
;nounkeyct = 0                                  ; Set to a 1 to eliminate courtesy tones and associated delays.
holdofftelem = 0                                ; Hold off all telemetry when signal is present on receiver or from connected
nodes
                                                ; except when an ID needs to be done and there is a signal coming from a
connected node.
telemdefault = 1                        ; 0 = telemetry output off
                                ; 1 = telemetry output on (default = 1)
                                ; 2 = timed telemetry output on command execution and for a short time thereafter.
telemdynamic = 1                                ; 0 = disallow users to change the local telemetry setting with a COP command,
                                ; 1 = Allow users to change the setting with a COP command. (default = 1)
;beaconing = 0                                  ; Send ID regardless of repeater activity (Required in the UK, but probably
```

illegal in the US)
parrotmode = 0 ; 0 = Parrot Off (default = 0)
; 1 = Parrot On Command
; 2 = Parrot Always
; 3 = Parrot Once by Command
parrottime = 1000 ; Set the amount of time in milliseconds
; to wait before parroting what was received
;rxnotch=1065,40 ; (Optional) Notch a particular frequency for a specified
; b/w. app_rpt must have been compiled with
; the notch option
;archivedir=/etc/asterisk/
startup_macro = *81353770*81347633*813426711*8131995*81354464

; nodenames = /var/lib/asterisk/sounds/rpt/nodenames.callsign ; Point to alternate nodename sound directory

; Stream your node audio to Broadcastify or similar. See
https://wiki.allstarlink.org/wiki/Stream_Node_Audio_to_Broadcastify
; outstreamcmd = /bin/sh,-c,/usr/bin/lame --preset cbr 16 -r -m m -s 8 --bitwidth 16 - - | /usr/bin/ezstream -qvc
/etc/ezstream.xml

;;
;;;
; Need more information on these

;extnodes = extnodes-different ; section in extnodefile containing dynamic node information (optional)
;extnodefile = /foo/nodes ; Points to nodelist file containing dynamic node info default = /var/lib/asterisk/rpt_extnodes
(optional)
;extnodefile2 = ; Is this a list of node files? Possible a list of private nodes or a list of static IPs for
known nodes????
;nodenames = /foo/names ; locaton of node sound files default = /var/lib/asterisk/sounds/rpt/nodenames
;archivedir = /tmp ; defines and enables activity recording into specified directory (optional)
;monminblocks = 2048 ; Min 1K blocks to be left on partition (will not save monitor output if disk too full)

; ; The tailmessagetime,tailsquashedtime, and tailmessagelist need to be set
; ; to support tail messages. They can be omitted otherwise.
;tailmessagetime = 300000 ; Play a tail message every 5 mins
;tailsquashedtime = 30000 ; If squashed by another user,
; ; try again after 30 seconds
;tailmessagelist = msg1,msg2 ; list of messages to be played for tail message

; alt_functions
; ctgroup
; dphone_functions
; idtime
; iobase
; iospeed
; locallist
; mars Remote Base
; memory
; nobusyout
; nodes
; nolocallinkct
; notelemtx
; outxlat
; parrot
; propagate_phonedtmf
; rptnode
; rptinactmacro Macro to execute when inactivity timer expires

```
; rptinacttime   Inactivity timer time in seconds  (0 seconds disables feature)
; rxnotch            Optional Audio notch
; simplexphonedelay
; tonemacro
; tonezone
; txlimits

; Comment the following statpost line stop to reporting of the status of your node to stats.allstarlink.org
statpost_url = http://stats.allstarlink.org/uhandler ; Status updates


[1995]

rxchannel = dahdi/pseudo
duplex = 1
link2link = no
scheduler = schedule              ; scheduler stanza
functions = functions             ; Repeater Function stanza
phone_functions = functions       ; Phone Function stanza
link_functions = functions        ; Link Function stanza
telemetry = telemetry             ; Telemetry stanza
morse = morse                     ; Morse stanza
wait_times = wait-times           ; Wait times stanza
macro=macro                       ; Macro stanza

; END OF SECOND NODE



[functions]

; Prefix  Functions
; *1                Disconnect Link
; *2                Monitor Link
; *3                Connect Link
; *4                Command Mode
; *5                Macros
; *6                User Functions
; *7                Connection Status/Functions
; *8                User Functions
; *9                User Functions
; *0                User Functions

; *A                User Functions
; *B                User Functions
; *C                User Functions
; *D                User Functions


; Mandatory Command Codes
1 = ilink,1                 ; Disconnect specified link
2 = ilink,2                 ; Connect specified link -- monitor only
3 = ilink,3                 ; Connect specified link -- tranceive
4 = ilink,4                 ; Enter command mode on specified link
70 = ilink,5                ; System status
99 = cop,6

; End Mandatory Command Codes
```

;;;
;;

; Macro Commands
5 = macro

;;
;;
;;
;;

; Autopatch Commands
; Note, This may be a good place for other 2 digit frequently used commands

61 = autopatchup,noct = 1,farenddisconnect = 1,dialtime = 20000 ; Autopatch up
62 = autopatchdn ; Autopatch down

; autopatchup can optionally take comma delimited setting=value pairs:

; context = string ; Override default context with "string"
; dialtime = ms ; Specify the max number of milliseconds between phone number digits (1000 milliseconds = 1 second)
; farenddisconnect = 1 ; Automatically disconnect when called party hangs up
; noct = 1 ; Don't send repeater courtesy tone during autopatch calls
; quiet = 1 ; Don't send dial tone, or connect messages. Do not send patch down message when called party hangs up
; Example: 123=autopatchup,dialtime=20000,noct=1,farenddisconnect=1

;;
;;

; Status Commands

; 1 - Force ID (global)
; 2 - Give Time of Day (global)
; 3 - Give software Version (global)
; 4 - Give GPS location info
; 5 - Last (dtmf) user
; 11 - Force ID (local only)
; 12 - Give Time of Day (local only)

721 = status,1 ; Force ID (global)
722 = status,2 ; Give Time of Day (global)
723 = status,3 ; Give software Version (global)
724 = status,4 ; Give GPS location info
725 = status,5 ; Last (dtmf) user
711 = status,11 ; Force ID (local only)
712 = status,12 ; Give Time of Day (local only)

;;
;;

; Link Commands

; 1 - Disconnect specified link
; 2 - Connect specified link -- monitor only
; 3 - Connect specified link -- tranceive

```
; 4 - Enter command mode on specified link
; 5 - System status
; 6 - Disconnect all links
; 7 - Last Node to Key Up
; 8 - Connect specified link -- local monitor only
; 9 - Send Text Message (9,<destnodeno or 0 (for all)>,Message Text, etc.
; 10 - Disconnect all RANGER links (except permalinks)
; 11 - Disconnect a previously permanently connected link
; 12 - Permanently connect specified link -- monitor only
; 13 - Permanently connect specified link -- tranceive
; 15 - Full system status (all nodes)
; 16 - Reconnect links disconnected with "disconnect all links"
; 17 - MDC test (for diag purposes)
; 18 - Permanently Connect specified link -- local monitor only

; ilink commands 1 through 5 are defined in the Mandatory Command section

76 = ilink,6
806 = ilink,6                   ; Disconnect all links
807 = ilink,7                   ; Last Node to Key Up
808 = ilink,8                   ; Connect specified link -- local monitor only
809 = ilink,9,61679,"Testing"   ; would send a text message to node 61679 replace 61679 with 0 for all connected nodes
810 = ilink,10                  ; Disconnect all RANGER links (except permalinks)
811 = ilink,11                  ; Disconnect a previously permanently connected link
812 = ilink,12                  ; Permanently connect specified link -- monitor only
813 = ilink,13                  ; Permanently connect specified link -- tranceive
815 = ilink,15                  ; Full system status (all nodes)
816 = ilink,16                  ; Reconnect links disconnected with "disconnect all links"
817 = ilink,17                  ; MDC test (for diag purposes)
818 = ilink 18                  ; Permanently Connect specified link -- local monitor only

;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;
;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;

; Control operator (cop) functions.
; Change these to something other than these codes listed below!
; Uncomment as needed.

; 901 = cop,1                   ; System warm boot
; 902 = cop,2                   ; System enable
; 903 = cop,3                   ; System disable

; 904 = cop,4                   ; Test tone on/off (toggle)
; 905 = cop,5                   ; Dump system variables on console (debug use only)

; 907 = cop,7                   ; Time out timer enable
; 908 = cop,8                   ; Time out timer disable

; 909 = cop,9                   ; Autopatch enable
; 910 = cop,10                  ; Autopatch disable

; 911 = cop,11                  ; User linking functions enable
; 912 = cop,12                  ; User linking functions disable

; 913 = cop,13                  ; Query system control state
; 914 = cop,14                  ; Set system control state

; 915 = cop,15                  ; Scheduler enable
```

```
; 916 = cop,16                    ; Scheduler disable

; 917 = cop,17                    ; User functions enable (time, id, etc)
; 918 = cop,18                    ; User functions disable

; 919 = cop,19                    ; Select alternate hang time (althangtime)
; 920 = cop,20                    ; Select standard hangtime (hangtime)

; 921 = cop,21                    ; Enable Parrot Mode
; 922 = cop,22                    ; Disable Parrot Mode
; 923 = cop,23                    ; Birdbath (Current Parrot Cleanup/Flush)

; 924 = cop,24                    ; Flush all telemetry
; 925 = cop,25                    ; Query last node un-keyed
; 926 = cop,26                    ; Query all nodes keyed/unkeyed
; 927 = cop,27                    ; Reset DAQ minimum on a pin
; 928 = cop,28                    ; Reset DAQ maximum on a pin

; 930 = cop,30                    ; Recall Memory Setting in Attached Xcvr

; 931 = cop,31                    ; Channel Selector for Parallel Programmed Xcvr

; 932 = cop,32                    ; Touchtone pad test: command + Digit string + # to playback all digits pressed

; 933 = cop,33                    ; Local Telemetry Output Enable
; 934 = cop,34                    ; Local Telemetry Output Disable
; 935 = cop,35                    ; Local Telemetry Output on Demand

; 936 = cop,36                    ; Foreign Link Local Output Path Enable
; 937 = cop,37                    ; Foreign Link Local Output Path Disable
; 938 = cop,38                    ; Foreign Link Local Output Path Follows Local Telemetry
; 939 = cop,39                    ; Foreign Link Local Output Path on Demand

; 942 = cop,42                    ; Echolink announce node # only
; 943 = cop,43                    ; Echolink announce node Callsign only
; 944 = cop,44                    ; Echolink announce node # & Callsign

; 945 = cop,45                    ; Link Activity timer enable
; 945 = cop,46                    ; Link Activity timer disable
; 947 = cop,47                    ; Reset "Link Config Changed" Flag

; 948 = cop,48                    ; Send Page Tone (Tone specs separated by parenthesis)

; 949 = cop,49                    ; Disable incoming connections (control state noice)
; 950 = cop,50                    ; Enable incoming connections (control state noicd)

; 951 = cop,51                    ; Enable sleep mode
; 952 = cop,52                    ; Disable sleep mode
; 953 = cop,53                    ; Wake up from sleep
; 954 = cop,54                    ; Go to sleep
; 955 = cop,55                    ; Parrot Once if parrot mode is disabled

; 956 = cop,56          ; Rx CTCSS Enable
; 957 = cop,57          ; Rx CTCSS Disable

; 958 = cop.58          ; Tx CTCSS On Input only Enable
; 959 = cop,59          ; Tx CTCSS On Input only Disable
```

```
; 960 = cop,60                    ; Send MDC-1200 Burst (cop,60,type,UnitID[,DestID,SubCode])
;                                 ; Type is 'I' for PttID, 'E' for Emergency, and 'C' for Call
;                                 ; (SelCall or Alert), or 'SX' for STS (ststus), where X is 0-F.
;                                 ; DestID and subcode are only specified for  the 'C' type message.
;                                 ; UnitID is the local systems UnitID. DestID is the MDC1200 ID of
;                                 ; the radio being called, and the subcodes are as follows:
;                                 ; Subcode '8205' is Voice Selective Call for Spectra ('Call')
;                                 ; Subcode '8015' is Voice Selective Call for Maxtrac ('SC') or
;                                 ; Astro-Saber('Call')
;                                 ; Subcode '810D' is Call Alert (like Maxtrac 'CA')

; 961 = cop,61                    ; Send Message to USB to control GPIO pins (cop,61,GPIO1=0[,GPIO4=1].....)
; 962 = cop,62                    ; Send Message to USB to control GPIO pins, quietly (cop,62,GPIO1=0[,GPIO4=1].....)

; 963 = cop,63                    ; Send pre-configred APRSTT notification (cop,63,CALL[,OVERLAYCHR])
; 964 = cop,64                    ; Send pre-configred APRSTT notification, quietly (cop,64,CALL[,OVERLAYCHR])
; 965 = cop,65                    ; Send POCSAG page (equipped channel types only)

[functions-remote]

0 = remote,1                    ; Retrieve Memory
1 = remote,2                    ; Set freq.
2 = remote,3                    ; Set tx PL tone
3 = remote,4                    ; Set rx PL tone
40 = remote,100                   ; Rx PL off
41 = remote,101                   ; Rx PL on
42 = remote,102                   ; Tx PL off
43 = remote,103                   ; Tx PL on
44 = remote,104                   ; Low Power
45 = remote,105                   ; Medium Power
46 = remote,106                   ; High Power
711 = remote,107                   ; Bump -20
714 = remote,108                   ; Bump -100
717 = remote,109                   ; Bump -500
713 = remote,110                   ; Bump +20
716 = remote,111                   ; Bump +100
719 = remote,112                   ; Bump +500
721 = remote,113                   ; Scan - slow
724 = remote,114                   ; Scan - quick
727 = remote,115                   ; Scan - fast
723 = remote,116                   ; Scan + slow
726 = remote,117                   ; Scan + quick
729 = remote,118                   ; Scan + fast
79 = remote,119                   ; Tune
51 = remote,5                    ; Long status query
52 = remote,140                                 ; Short status query
67 = remote,210                                 ; Send a *
69 = remote,211                                 ; Send a #
;91 = remote,99,CALLSIGN,LICENSETAG     ; Remote base login.
                                ; Define a different dtmf sequence for each user which is
                                ; authorized to use the remote base to control access to it.
                                ; For examble 9139583=remote,99,WB6NIL,G would grant access to
                                ; the remote base and announce WB6NIL as being logged in.
                                ; Another entry, 9148351=remote,99,WA6ZFT,E would grant access to
                                ; the remote base and announce WA6ZFT as being logged in.
                                ; When the remote base is disconnected from the originating node, the
                                ; user will be logged out. The LICENSETAG argument is used to enforce
                                        ; tx frequency limits. See [txlimits] below.
```

```
85 = cop,6                      ; Remote base telephone key


[telemetry]

; Telemetry entries can be shared across all repeaters, or defined for each repeater.
; Can be a tone sequence, morse string, or a file
;
; |t - Tone escape sequence
;
; Tone sequences consist of 1 or more 4-tuple entries (freq1, freq2, duration, amplitude)
; Single frequencies are created by setting freq1 or freq2 to zero.
;
; |m - Morse escape sequence
;
; Sends Morse code at the telemetry amplitude and telemetry frequency as defined in the
; [morse] section.
;
; Follow with an alphanumeric string
;
; |i - Morse ID escape sequence
;
; Sends Morse code at the ID amplitude and ID frequency as defined in the
; [morse] section.
;
; path/to/sound/file/without/extension
;
; Send the sound if in place of a constructed tone. Do not include the file extension
; Example: ct8 = rpt/bloop
; Example: idrecording = rpt/nodenames/61679

ct1 = |t(350,0,100,2048)(500,0,100,2048)(660,0,100,2048)
ct2 = |t(660,880,150,2048)
ct3 = |t(440,0,150,4096)
ct4 = |t(550,0,150,2048)
ct5 = |t(660,0,150,2048)
ct6 = |t(880,0,150,2048)
ct7 = |t(660,440,150,2048)
ct8 = |t(700,1100,150,2048)
ranger = |t(1800,0,60,3072)(0,0,50,0)(1800,0,60,3072)(0,0,50,0)(1800,0,60,3072)(0,0,50,0)(1800,0,60,3072)(0,0,50,0)
(1800,0,60,3072)(0,0,50,0)(1800,0,60,3072)(0,0,150,0)
remotemon = |t(1209,0,50,2048)                  ; local courtesy tone when receive only
remotetx = |t(1633,0,50,3000)(0,0,80,0)(1209,0,50,3000)          ; local courtesy tone when linked Trancieve mode
cmdmode = |t(900,903,200,2048)
functcomplete = |t(1000,0,100,2048)(0,0,100,0)(1000,0,100,2048)
remcomplete = |t(650,0,100,2048)(0,0,100,0)(650,0,100,2048)(0,0,100,0)(650,0,100,2048)
pfxtone = |t(350,440,30000,3072)
patchup = rpt/callproceeding
patchdown = rpt/callterminated

; As far as what the numbers mean,
; (000,000,010,000)
;   |   |   |   |-------amplitude
;   |   |   |-------------duration
;   |   |-------------------Tone 2
;   |-------------------------Tone 1

; So, with 0,0,10,0 That says No Tone1, No Tone2, 10ms duration, 0 Amplitude.
```

```
; Use it for a delay.  Fine tuning for how long before telemetry is sent, in conjunction with the telemdelay parameter)
; The numbers, like 350,440,10,2048 are 350Hz, 440Hz, 10ms delay, amplitude of 2048.

; Morse code parameters, these are common to all repeaters.

[morse]
speed = 20                              ; Approximate speed in WPM
frequency = 800                         ; Morse Telemetry Frequency
amplitude = 4096                ; Morse Telemetry Amplitude
idfrequency = 1065                      ; Morse ID Frequency
idamplitude = 1024                      ; Morse ID Amplitude

;
; This section allows wait times for telemetry events to be adjusted
; A section for wait times can be defined for every repeater
;

[wait-times]
telemwait = 500                 ; Time to wait before sending most telemetry
idwait = 500                    ; Time to wait before starting ID
unkeywait = 300                 ; Time to wait after unkey before sending CT's and link telemetry
calltermwait = 2000             ; Time to wait before announcing "call terminated"

; Memories for remote bases

[memory]
;00 = 146.580,100.0,m
;01 = 147.030,103.5,m+t
;02 = 147.240,103.5,m+t
;03 = 147.765,79.7,m-t
;04 = 146.460,100.0,m
;05 = 146.550,100.0,m

; Place command macros here

[macro]
;1 = *32011#
;2 = *12001*12011*12043*12040*12050*12060*12009*12002*12003*12004*1113*12030#
;3 = *32001*32011*32050*32030*32060#


; Data Acquisition configuration

;[daq-list]
;device = device_name1
;device = device_name2

;Where: device_name1 and device_name2 are stanzas you define in this file

;device = daq-cham-1

; Device name

;[daq-cham-1]                           ; Defined in [daq-list]
;hwtype = uchameleon                    ; DAQ hardware type
;devnode = /dev/ttyUSB0                 ; DAQ device node (if required)
;1 = inadc                              ; Pin definition for an ADC channel
;2 = inadc
```

```
;3 = inadc
;4 = inadc
;5 = inadc
;6 = inadc
;7 = inadc
;8 = inadc
;9 = inp                         ; Pin definition for an input with a weak pullup resistor
;10 = inp
;11 = inp
;12 = inp
;13 = in                         ; Pin definition for an input without a weak pullup resistor
;14 = out                                ; Pin definition for an output
;15 = out
;16 = out
;17 = out
;18 = out

;[meter-faces]

;face = scale(scalepre,scalediv,scalepost),word/?,...
;
; scalepre = offset to add before dividing with scalediv
; scalediv = full scale/number of whole units (e.g. 256/20 or 12.8 for 20 volts).
; scalepost = offset to add after dividing with scalediv
;
;face = range(X-Y:word,X2-Y2:word,...),word/?,...
;face = bit(low-word,high-word),word/?,...
;
; word/? is either a word in /var/lib/asterisk/sounds or one of its subdirectories,
; or a question mark which is  a placeholder for the measured value.
;
;
; Battery voltage 0-20 volts
;batvolts = scale(0,12.8,0),rpt/thevoltageis,?,ha/volts
; 4 quadrant wind direction
;winddir = range(0-33:north,34-96:west,97-160:south,161-224:east,225-255:north),rpt/thewindis,?
; LM34 temperature sensor with 130 deg. F full scale
;lm34f = scale(0,1.969,0),rpt/thetemperatureis,?,degrees,fahrenheit
; Status poll (non alarmed)
;light = bit(ha/off,ha/on),ha/light,?

;[alarms]
;
;tag = device,pin,node,ignorefirst,func-low,func-hi
;
;tag = a unique name for the alarm
;device = daq device to poll
;pin = the device pin to be monitored
;ignorefirstalarm = set to 1 to throwaway first alarm event, or 0 to report it
;node = the node number to execute the function on
;func-low = the DTMF function to execute on a high to low transition
;func-high = the DTMF function to execute on a low to high transition
;
; a  '-' as a function name is shorthand for no-operation
;
;door = daq-cham-1,9,1,2017,*7,-
;pwrfail = daq-cham-1,10,0,2017,*911111,-
;
```

; Control states
; Allow several control operator functions to be changed at once using one command (good for scheduling)
;
;[controlstates]
;statenum = copcmd,[copcmd]...
;0 = rptena,lnkena,apena,totena,ufena,noicd ; Normal operation
;1 = rptena,lnkena,apdis,totdis,ufena,noice ; Net and news operation
;2 = rptena,lnkdis,apdis,totena,ufdis,noice ; Repeater only operation

; Scheduler - execute a macro at a given time

[schedule]
;dtmf_function = m h dom mon dow ; ala cron, star is implied
;2 = 00 00 * * *   ; at midnight, execute macro 2.

; See https://wiki.allstarlink.org/wiki/Event_Management
[events]

#includeifexists custom/rpt.conf