; Radio Repeater configuration file (for use with app_rpt)
; Your Repeater
;;;;;;;;;;;;;;

[1999]

rxchannel = USRP/127.0.0.1:34001:32001   ; Use the USRP channel driver. Must be enabled in modules.conf
; 127.0.0.1 = IP of the target application
; 34001 = UDP port the target application is listening on
; 32001 = UDP port ASL is listening on
duplex = 0   ; 0 = Half duplex with no telemetry tones or hang time. Ah, but Allison STILL talks!
hangtime = 0   ; squelch tail hang time 0
althangtime = 0   ; longer squelch tail hang time 0
holdofftelem = 1   ; 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 = 0   ; 0 = telemetry output off. Don't send Allison to DMR !!!!!!!!!!!!!!!!!! Trust me.
telemdynamic = 0   ; 0 = disallow users to change the local telemetry setting with a COP command,
linktolink = no   ; disables forcing physical half-duplex operation of main repeater while
                                ; still keeping half-duplex semantics (optional)
nounkeyct = 1   ; Set to a 1 to eliminate courtesy tones and associated delays.
totime = 180000   ; transmit time-out time (in ms) (optional, default 3 minutes 180000 ms)
idrecording = |ie   ; id recording or morse string see http://ohnosec.org/drupal/node/87
idtalkover = |ie   ; Talkover ID (optional) default is none see http://ohnosec.org/drupal/node/129

;;;;;;;;;;;;;;
[500001]   ; 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)

duplex = 0   ; 0 = Half duplex with no telemetry tones or hang time.
linktolink = no   ; disables forcing physical half-duplex operation of main repeater while
linkmongain = 0   ; Link Monitor Gain adjusts the audio level of monitored nodes when a signal from another node
or the local receiver is received.
erxgain = -3   ; Echolink receive gain adjustment
etxgain = 3   ; Echolink transmit gain adjustment
;eannmode = 1   ; 1 = Say only node number on echolink connects (default = 1)

;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

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context = radio                    ; dialing context for phone
callerid = "Repeater" <0000000000>     ; callerid for phone calls
accountcode = RADIO                ; account code (optional)

hangtime = 100                     ; squelch tail hang time (in ms) (optional, default 5 seconds, 5000 ms)
althangtime = 100                  ; longer squelch tail
totime = 180000                    ; transmit time-out time (in ms) (optional, default 3 minutes 180000 ms)

;idrecording = |iW1ABC             ; cording or morse string see http://ohnosec.org/drupal/node/87
;idtalkover = |iW1ABC              ; Talkover ID (optional) default is none see http://ohnosec.org/drupal/node/129
                                   ; See Telemetry section Example: idrecording = rpt/nodenames/1999
;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).

;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 = 0                   ; 0 = telemetry output off
                                   ; 1 = telemetry output on (default = 1)
                                   ; 2 = timed telemetry output on command execution and for a short time thereafter.

telemdynamic = 0                   ; 0 = disallow users to change the local telemetry setting with a COP command,
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;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)
parrottime = 1000           ; Set the amount of time in milliseconds

;rxnotch=1065,40            ; (Optional) Notch a particular frequency for a specified

startup_macro = *31999

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

;;;;;;;;;;;;;;;
[500002]                    ; 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)

duplex = 0                  ; 0 = Half duplex with no telemetry tones or hang time.
linktolink = no             ; disables forcing physical half-duplex operation of main repeater while
linkmongain = 0             ; Link Monitor Gain adjusts the audio level of monitored nodes when a signal from another node
or the local receiver is received.
erxgain = -3                ; Echolink receive gain adjustment
etxgain = 3                 ; Echolink transmit gain adjustment
;eannmode = 1               ; 1 = Say only node number on echolink connects (default = 1)

;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 = 100                    ; squelch tail hang time (in ms) (optional, default 5 seconds, 5000 ms)
althangtime = 100                 ; longer squelch tail
totime = 180000                   ; transmit time-out time (in ms) (optional, default 3 minutes 180000 ms)

;idrecording = |iW1ABC            ; cording or morse string see http://ohnosec.org/drupal/node/87
;idtalkover = |iW1ABC             ; Talkover ID (optional) default is none see http://ohnosec.org/drupal/node/129
                        ; See Telemetry section Example: idrecording = rpt/nodenames/1999
;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).

;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 = 0   ; 0 = telemetry output off
                      ; 1 = telemetry output on (default = 1)
                      ; 2 = timed telemetry output on command execution and for a short time thereafter.

telemdynamic = 0   ; 0 = disallow users to change the local telemetry setting with a COP command,

;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)
parrottime = 1000   ; Set the amount of time in milliseconds

;rxnotch=1065,40   ; (Optional) Notch a particular frequency for a specified

<mark>;startup_macro =</mark>

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

```
;;;;;;;;;;;;;;
[500003]                        ; 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)


duplex = 0              ; 0 = Half duplex with no telemetry tones or hang time.
linktolink = no        ; disables forcing physical half-duplex operation of main repeater while
linkmongain = 0        ; Link Monitor Gain adjusts the audio level of monitored nodes when a signal from another node
or the local receiver is received.
erxgain = -3           ; Echolink receive gain adjustment
etxgain = 3            ; Echolink transmit gain adjustment
;eannmode = 1          ; 1 = Say only node number on echolink connects (default = 1)


;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 = 100                  ; squelch tail hang time (in ms) (optional, default 5 seconds, 5000 ms)
althangtime = 100                ; longer squelch tail
totime = 180000                  ; transmit time-out time (in ms) (optional, default 3 minutes 180000 ms)


;idrecording = |iW1ABC               ; cording or morse string see http://ohnosec.org/drupal/node/87
;idtalkover = |iW1ABC                ; Talkover ID (optional) default is none see http://ohnosec.org/drupal/node/129
                    ; See Telemetry section Example: idrecording = rpt/nodenames/1999
;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).


;connpgm = yourconnectprogram        ; Disabled. Execute a program you specify on connect. (default)
                    ; passes 2 command line arguments to your program:
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```
                              ; 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)
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;lnkacttime = 1800            ; Link activity timer time in seconds.
;lnkactmacro = *52            ; Function to execute when link activity timer expires.
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;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 = 0              ; 0 = telemetry output off
                    ; 1 = telemetry output on (default = 1)
                    ; 2 = timed telemetry output on command execution and for a short time thereafter.

telemdynamic = 0              ; 0 = disallow users to change the local telemetry setting with a COP command,

;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)
parrottime = 1000            ; Set the amount of time in milliseconds

;rxnotch=1065,40          ; (Optional) Notch a particular frequency for a specified
```

;startup_macro =

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

[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.

```
500001 = radio@127.0.0.1:4569/500001,NONE  ; This must be changed to your node number
500002 = radio@127.0.0.1:4569/500002,NONE  ; This must be changed to your node number
500003 = radio@127.0.0.1:4569/500003,NONE  ; This must be changed to your node number
1999 = radio@127.0.0.1:4569/1999,NONE
```