

```

# Autoexec.nos file for use with JNOS
# =====
## updated 23.11.2002 by g4apl
## updated 21.3.2018 by g4apl jnos111x3 and Kenwood THD7E/TS2000e
## example for gb7cip following the jnos install routing
## 433.625 (gb7cip-8) rf 1200bd vertical beam North
## 432.675 (gb7cip-7) rf 1200bd vertical
## 144.9375 (mb7ncr-2) rf 1200bd vertical
## 432.625 (gb7cip-9) rf 9600bd horizontal 295 heading
## 439.950 (gb7cip-10) rf 9600bd horizontal 305 heading
## THD7E remember to disable (OFF) Automatic Power off and Battery Saver
## otherwise the Receiver is disable, instead of monitoring for incoming data.
#
# This file is only to be used with the G8FSL modified version of JNOS
# (as supplied with the NOS installation disk)
# Modified for KIPG JN111ECO.EXE which is JNOS 1.11E with G8ECJ mods by
# Nick G4ZXI.
#
# Misc Setup
#
attended on
isat yes          #yes = AT 286 or better no = XT 8088 or 8086
remote -s ridge
watchdog on
prompt on
history 10
#***** MEMORY SETUP *****
#
mem debug off
mem ibufs 1500
mem nibufs 15
#
#***** DOMAIN SETUP *****
#
domain cache size 20
domain suffix ampr.org.
domain translate off
domain maxwait 255
domain retries 3
domain addserver 44.131.244.1
domain cache clean on
#
#***** STATION SETUP *****
*
#
hostname mycall.ampr.org
ax25 mycall MYCALL-5
ip address [44.131.###.###]
log on
mbox tmsg "Use your callsign to login"
mbox password superuser
mbox tdisc 1200
ftptdisc 1200
#
#***** AX.25 *****
#
ax25 version 2
ax25 retries 10
ax25 irtt 7000
ax25 t3 18000
ax25 t4 600

```

```

ax25 bctext "mycall 44.131.###.### QTH England "
ax25 bcinterval 1800
#
# ax25 heard list length
#
ax25 hsize 30
ax25 blimit 30
ax25 filter 2
#
#***** IP *****
#
ip hsize 20
ip ttl 255
ip rtimer 300
#
#***** TIMERS *****
#
# These commands MUST come before the Start Protocol commands
#
tcp mss 216      # for the Kenwood TASC0 RADIO MODEM needs to be 196
tcp irtt 15000
tcp window 432
tcp retries 0
tcp timertype linear
tcp syndata on
#
#***** ATTACH LINE *****
#
# attach asy <Addr> <IRQ> ax25 <Port> 1024 1024 <PC-TNC Baud>
# com2 tnc serial port 1200bd
##attach asy 0x2f8 3 ax25 tnc0 1024 256 1200
#
# ===== Hardware interface(s) =====
# CHECK THAT YOUR SERIAL SPEED BAUD RATE BETWEEN THE PC AND TNC
# IS SET THE SAME AS THE LAST PARAMETER ON THE attache line e.g 9600bd
# The syntax is:
# attach <hw type> <I/O address> <vector> <mode> <label> <bufsize>
#          <mtu> [<speed>]
#com1 tnc serial port 9600bd
attach asy 0x3f8 4 ax25 tnc0 2048 256 9600
#ifconfig tnc0 netmask 0xfffffe00
#
#####
# Put TNC (e.g. PacCom2 TNC2, KENWOOD THD7E,TS2000e,TMD710) in KISS mode
param tnc0   dtr 1   # found this needs to be set to 1 for TS2000e THD7E
param tnc0   rts 1   # found this needs to be set to 1 for TS2000e THD7E
comm tnc0 "*"
## Set RF Baud Rate Kenwood THD7e, TS2000e. TMD710)
com tnc0 "HB 1200"      # 1200baud RF
#com tnc0 "HB 9600"     # 9600baud RF
pause 5
comm tnc0 "KISS ON"     # Set Kiss Mode
comm tnc0 "RESTART"    # Restart TNC to enable Kiss
pause 5
#####
#
### Put KAM TNC in KISS mode
###comm tnc0 "int kiss"
###Comm tnc0 "reset"
#####

```

```

***** PARAMETERS FOR TNC0 *****
#
# ===== AX.25 Parameters =====
# 1=TXD(10ms), 2=Persist, 3=Slotime, 4=TxTail, 5=FullDuplex

param tnc0 1 40                #was 30
param tnc0 2 32
param tnc0 3 10
param tnc0 4 20                # was 5   required 20ms for 9600bd
#param tnc0 5 0
#param tnc0 9 1 # if the tnc doesn't work ...
#param tnc0 8 1

ax25 maxframe 1 tnc0
ax25 paclen 256 tnc0
ax25 window 432 tnc0
#
***** IFCONFIG *****
#
ifconfig tnc0 descr "First ax25 port"
ifconfig tnc0 mtu 256
ifconfig tnc0 tcp win 432
ifconfig tnc0 tcp mss 216      # for the Kenwood changed to 196
ifc tnc0 tcp maxw 90000
ip hport tnc0
#
# *****
# KIPGWIN Template Settings. Un '#' this section and change according
# to your configuration as detailed in the KIPGWIN documentation
# on http://www.gb7iph.demon.co.uk if you wish to use JNOS in
# conjunction with the windows tcp/ip stacks and internet tools.
# Also see the same section within NOENV.BAT and change this!
# Fill in your details where the "< >" sections are used.
#
# ** Wormhole to Windows (MS-TCP) **
#
# attach packet 0x60 win95 2048 256
#
# route add <windows IP address> win95 <windows IP address>
#
# ** Add one of these lines for each attached RADIO port you have **
#
# arp publish <Windows IP Address> ax25 mycall-5 tnc0
#
# ifc win95 descr          "Wormhole to Windows TCP/IP"
# ifc win95 mtu            256
# ifc win95 tcp mss        216
# ifc win95 tcp win        432
# ifc win95 tcp syndata    on
# ifc win95 tcp maxwait    12000
# ifc win95 tcp irtt       7000
# mode win95                datagram
#
# ax25 hport win95         on
# ip hport win95          on
#
# trace win95              111
#
# start pop3
# start nntp
#

```

```
#***** START PROTOCOLS *****
#
start ax25
start echo
start finger
start ftp
#start http 80 C /nos/www
# start netrom
start remote
start smtp
start ttylink
start telnet
#
#***** ROUTING *****
## uncomment the routing required for frequency
## ip routing via mb7ncr-2 router 144.9375 1200bd
route add 44.0.0.0/8 tnc0 44.131.244.1

## ip routing direct to gb7cip-9 on 432.625 9600bd
## route add 44.0.0.0/8 tnc0 44.131.244.1

## ip routing direct to gb7cip-7 on 432.675 1200bd
##route add 44.0.0.0/8 tnc0 44.131.244.1

## ip routing direct to gb7cip-8 on 433.625 1200bd
##route add 44.0.0.0/8 tnc0 44.131.244.1

## ip routing direct to gb7cip-10 on 439.950 9600bd
##route add 44.0.0.0/8 tnc0 44.131.244.1

#
#***** ARP TABLE *****
#
arp eaves tnc0 on

## if routing on 2m to gb7cip for smtp mail via an router (mb7ncr)
## you may want to add and arp entry to force smtp via these routers
## and the associated route
## arp 44.131.244.1 tnc0 nb7ncr-2
## route add 44.131.244.1/32 tnc0 44.131.244.1
## arp 44.131.244.1 tnc0 gb7cip-7 (432.675)
## arp 44.131.244.1 tnc0 gb7cip-8 (433.625)
## arp 44.131.244.1 tnc0 gb7cip-9 (432.625) 9600bd
## arp 44.131.244.1 tnc0 gb7cip-10 (439.950) 9600bd
#
#***** SMTP PARAMETERS *****
#
smtp batch off
smtp timer 600
smtp gateway 44.131.244.1
smtp mode route
smtp maxclient 5
smtp hopper on
smtp quiet off
smtp trace 1
smtp sendlzw on
smtp reclzw on
lzw bits 9
smtp ki
#
```

```
#***** POP 3 *****
# Your local hub may not supply POP3 in which case, change this to POP2
#
pop addserver 44.131.244.1 3600 POP3 mycall mycall password
pop ki 44.131.244.1
#
#***** NNTP *****
# Polls for news between 00:30 am and 15:30 pm but not at peak times
# once every 5400 seconds (1.5 hours).
#nntp dir C:/NOS/spool/articles
#
# edit the nntp add line to include what groups you want
#
#nntp add 44.131.244.1 3600 00:30-15:30 ampr.radio.pmr,ampr.help,ampr.rsgb.*
#nntp add 44.131.244.1 3600 00:30-15:30 ampr.news.uk,ampr.ip.general
## following line will download all 325+ newgroups (could be large)
##nntp add 44.131.244.1 3600 00:30-15:30 ampr.*

#nntp lzw on
#nntp firstpoll 1
#nntp ki 44.131.244.1
#
#***** NETROM - NOTE: NEEDS SPECIAL COMPILE OF JNOS *****
#
# attach netrom
# netrom call          mycall-5
# netrom alias         <Enter Netrom Alias Here>
# netrom nodetimer     1800
# netrom obsotimer     3600
# netrom minquality    5
# netrom ttl           15
# netrom acktime       5000
# netrom qlimit        2048
# netrom retries       10
# netrom irtt          12000
# netrom promiscuous   on
# netrom timertype     linear
# netrom hidden        off
# netrom tdisc         3600
# netrom interface     tnc0 200
# netrom bcpoll        tnc0
# netrom bcnodes       tnc0
# netrom nodefilter    mode accept
#
# NEIGHBOUR - SETUP YOUR NEIGHBOURING NETROM STATION DETAILS HERE
#
# netrom route add <NEIGHBOUR ALIAS> <NEIGHBOUR C/S> tnc0 200 <NEIGHBOUR C/S>
# netrom nodefilter  add <NEIGHBOUR ALIAS> tnc0
#
#
#***** TRACE *****
#
trace tnc0 111
#
```

```
#***** AT COMMANDS *****
# AT certain times, you can set your nos to perform various functions.
#
rdate server 44.131.244.1

source C:/NOS/fkey.src
more C:/NOS/fkey.lst
#
#*****
# The End of Autoexec.nos

# Switched TNC2 (BSX Tiny2, TNC200, PK88) from KISS back to Terminal mode
# create a file ins NOS/onexit.nos
# this contains a list of DOS commands that you want to run
# 23.11.2002 g4apl
# .....This file is executed when JNOS exits.....
# copy this to a file onexit.nos and uncomment the following command
####param vhf 255
#### end of TNC2 onexit.nos file

#
# Switches KAM TNC from KISS Mode back to Terminal Mode on EXIT
# create a file ins NOS/onexit.nos
# this contains a list of DOS commands that you want to run
# 23.11.2002 g4apl
# .....This file is executed when JNOS exits.....
# copy this to a file onexit.nos and uncomment the following two commands
#### Switches the TNC out of KISS MODE and resets TNC Back to default settings
####param tnc0 254
####param tnc0 255
# end of onexit.nos samples
#
```