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APRS

Pinpoint is a Windows program for APRS.

The screenshot displays the PinPoint v2.0 software interface. The main window shows a map of the Pacific Northwest coast of Canada, with various locations marked. The status bar at the bottom indicates: Online | TNC Connected | GPS Disconnected | APRS-IS Disconnected | iGate Inactive | Beacons Enabled.

The 'Last Heard' window shows a list of reports:

- Radio reports
- Position reports (38)
- Miscellaneous reports (7)
- Weather reports (3)
- APRS-IS reports
- Messages
- Inbox (1)
- Sent items (1)
- Packet errors

The 'SoundModem by UZ7HO - Ver 1.00b - [AFSK AX.25 1200bd]' window shows the following received packets:

```

/2 - /]
1:Fm VE7DYT To APBPQ1 Via WIDE2:1 <UI R Pid=F0 Len=57> [19:25:51R] [+++]
I4909.99N12358.52W& BPG PI-TNC APRS iGate/DIGI
1:Fm VE7DYT To APBPQ1 Via DEPBA*:*WIDE2* <UI R Pid=F0 Len=57> [19:25:5]
I4909.99N12358.52W& BPG PI-TNC APRS iGate/DIGI
1:Fm VE7FI-7 To T9UXXT Via VA7YLW-1*WIDE1*,THYNN*:*WIDE2*:*SSI*:*WIDE
[19:25:55R] [+++]
/3bq[LUU]"8Y)Canoeing Clearwater Azure 73! Mon:145.350 or 146.920_
1:Fm VA7MIA-9 To T9RRVR Via VE7KU-15*:*WIDE1*:*WIDE2-1 <UI R Pid=F0 Len=
'4T~"p"/"4y)_%
1:Fm VE7TBP To APRS Via LDYSMH*:*WIDE1* <UI C Pid=F0 Len=45> [19:26:08R
=4924.37N/12331.79W-146.680MHz T141 - /A=131
1:Fm K7KCA-3 To APX204 Via K7KCA-1*:*VE7RNA-10*:*WIDE2* <UI R Pid=F0 Len=
=4831.52N/12254.77W-Lopez Is Village UDRC/Xastir
1:Fm VA7AGG-7 To TY2SVR Via VE7RNA-10*:*WIDE2-1 <UI R Pid=F0 Len=16> [1:
'3:4f.K\]'4F)=
1:Fm VA7AGG-7 To TY2SVR Via VE7RNA-10*:*LDYSMH*:*WIDE2* <UI R Pid=F0 Le
'3:4f.K\]'4F)=

```

The 'Communications Monitor' window shows the following received packets:

```

VE7RAW>U0TQTT,BGWHT*:*WIDE1,THYNN*:*SSI,*WIDE2:*/(2! - /]
VE7DYT>APBPQ1,*WIDE2-1:4909.99N12358.52W& BPG PI-TNC APRS iGate/DIGI
VE7DYT>APBPQ1,DEPBA*:*WIDE2:4909.99N12358.52W& BPG PI-TNC APRS iGate/DIGI
VE7FI-7>T9UXXT,VA7YLW-1*:*WIDE1,THYNN,*WIDE2,SSI,*WIDE1:*/3bq[LUU]"8Y)Canoeing
Clearwater Azure 73! Mon:145.350 or 146.920_
VA7MIA-9>T9RRVR,VE7KU-15*:*WIDE1,*WIDE2-1:4T~"p"/"4y)_%
VE7TBP>APRS,LDYSMH*:*WIDE1=4924.37N/12331.79W-146.680MHz T141 - /A=131
K7KCA-3>APX204,K7KCA-1*:*VE7RNA-10,*WIDE2-1:4831.52N/12254.77W-Lopez Is Village
UDRC/Xastir
VA7AGG-7>TY2SVR,VE7RNA-10*:*WIDE2-1:3:4f.K\]'4F)=
VA7AGG-7>TY2SVR,VE7RNA-10*:*LDYSMH,*WIDE2:3:4f.K\]'4F)=

```

Configuration

To use with Signalink, see the [Signalink How-to](#).

Once the radio, the Signalink, and the Soundmodem are configured, start PinPoint and change these settings:


Options — □ ×

APRS TNC GPS Map APRS-IS Misc Donate

My APRS Call sign + SSID

APRS Path

Position comment

Station icon <  >

Overlay (type table + symbol directly in box + Enter key)

APRS DigiPeater settings

Enable APRS DigiPeater (Fill-in Digi. For non-KISS TNC's only for the moment)

My DigiPeater alias

APRS Position Beacons settings

Enable APRS beaoning

Beacon at least every minutes seconds

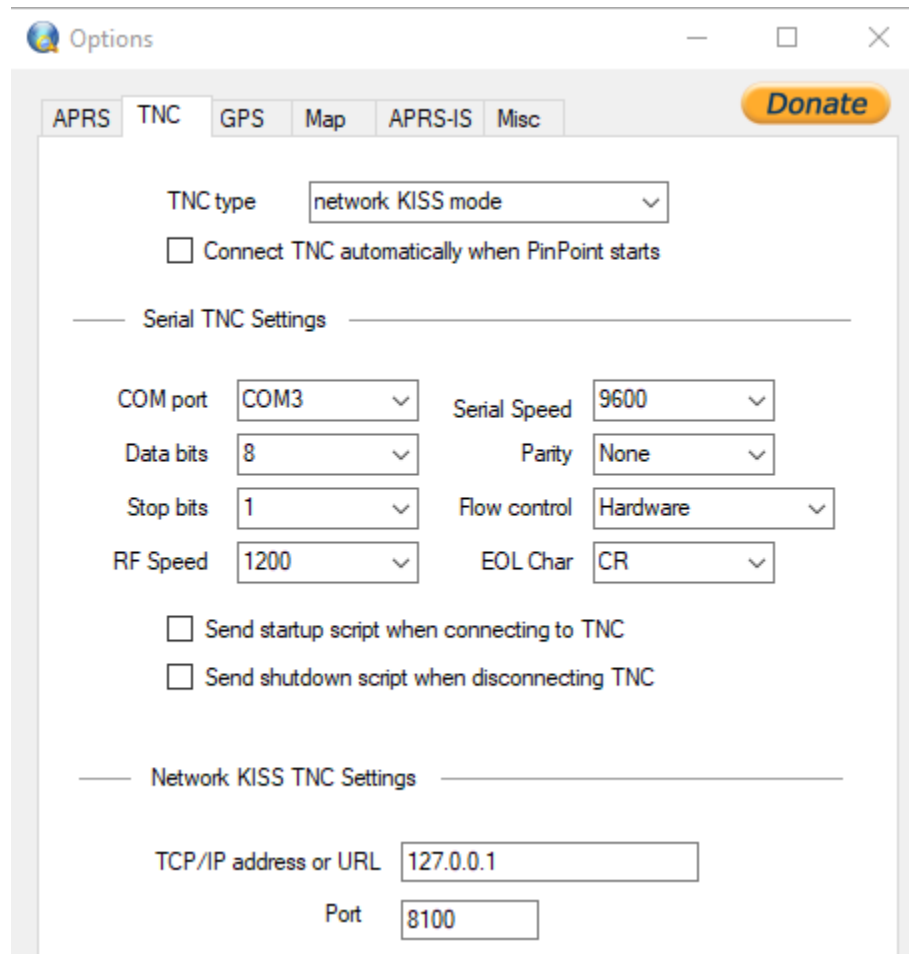
Beacon a minimum of every km

Beacon when heading changes more than degrees

Beacon my altitude

Beacon my course and speed

Maximum speed reported via radio km/h



The screenshot shows a web-based configuration interface for APRS. The window title is "Options" and it has standard window controls. At the top, there are tabs for "APRS", "TNC", "GPS", "Map", "APRS-IS", and "Misc", with "APRS" selected. A "Donate" button is visible in the top right corner. The main content area is divided into sections:

- TNC type:** A dropdown menu set to "network KISS mode".
- Connect TNC automatically when PinPoint starts
- Serial TNC Settings:** A section header.
- COM port:** A dropdown menu set to "COM3".
- Serial Speed:** A dropdown menu set to "9600".
- Data bits:** A dropdown menu set to "8".
- Parity:** A dropdown menu set to "None".
- Stop bits:** A dropdown menu set to "1".
- Flow control:** A dropdown menu set to "Hardware".
- RF Speed:** A dropdown menu set to "1200".
- EOL Char:** A dropdown menu set to "CR".
- Send startup script when connecting to TNC
- Send shutdown script when disconnecting TNC
- Network KISS TNC Settings:** A section header.
- TCP/IP address or URL:** A text input field containing "127.0.0.1".
- Port:** A text input field containing "8100".

Note:

- Network Kiss Port (8100) in the PinPoint settings needed to be changed to match the SoundModem settings.
- Also, the Serial TNC Settings don't matter since they are not being used by Network Kiss.

SSID

You'll sometimes see a dash number after the callsign, this is called an SSID and they have different meaning depending on whether you're on APRS or Winlink. See the [SSID How-To](#) for more info.

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<https://scarcs.ca/howto/aprs>

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