

## WinRPR TNC Commands (Typed into "Terminal Input" Window)

**WA8DED Style TNC: You must type the "Escape" key before any command.**

**%B** (300, R300, R600, 1200, 9600) – Selects TRANSMIT modem type and speed.

**%D** (0,1) – Parallel FSK300 decoder when in Robust Packet mode – %D0 = off, %D1 = on.

**I** (callsign) – Sets MYCALL for the current channel (See S).

**@K** – Initiates KISS mode on serial and socket connections.

**L** – Display the status of the eleven logical TNC "S" channels

**S** (0,1-10) – Selects TNC channel. 0 = UI(APRS), 1-10 = ten connected channels.

**%X**(0-2500) – Sets output amplitude for all modes.

**%XA** – Adjust for your transmitter – Output amplitude in mV for 300/1200 baud AFSK

**%XF** – Adjust for your transmitter – Output amplitude in mV for 9600 and 19200 baud Direct-FSK

**%XR** – Adjust for no ALC on your transmitter – Output amplitude in mV for R300 and R600 Robust-PR

**M N** – Mandatory – The Tracker has a wonderful monitoring capability that displays useful information about every frame, but this is taboo for Outpost that expects the TNCs to provide a transparent interface directly with the node's prompts. Ensure monitor is set to disabled (N).

**%L 1500** – Good idea = Ensure the center frequency (audio) is 1500 Hz for Robust Packet.

**F 500** – Good idea – FRACK in 10ms increments – in the Tracker this value is dynamic, but you need a good start value and 5 seconds isn't a bad choice.

**@T2 150** – Good idea – AX.25 Timer 2, delay before ACK in 10ms increments. Default is 150 (1.5 seconds). Experiment with this value if you wish to tighten up the back and forth between packet systems. Hint, sometimes you can get away with a value of zero, but that's cutting things close

**@T3 18000** – Default.

**N 2** – Packet retry counter. You can experiment with the value for most modes.

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**O 2** – Number of frames up to 7 you can pack into a single transmission. Two is a good conservative value, but feel free to experiment. I believe Robust Packet max is 2 regardless of setting.

**P 32** – Persistence. 32 is fine to start.

**R 0** – Ensure digipeating is off.

**T 25** – Transmit Delay (TXD) – Experiment with this, but 25 (1/4 second) is a good default to ensure your radio is all settled before sending actual data.

**%N 0** – Transmit hang time after data transmission is done. 0 probably works for most.

NOTE: These commands are taken from the SCS Systems “Tracker” hardware TNC – most also apply to the WinRPR software emulation of this device.