

Configuring the Byonics TinyTrak4 for Duchifat1. For using with a portable or fixed station, with COMPRESSED APRS protocol

Most of the following parameters are different than the default values. Use a terminal (or a PC running HyperTerminal program) connected to TinyTrak4 via the RS232 GPS/Computer port.

For TinyTrak4 full documentation refer to www.byonics.com/tinytrak4

TOSV FALSE – Enables the transmission of geographical location information even if the Tracker isn't connected to a satellite-locked GPS. 'TOSV FALSE' is used in conjunction with parameter LOCATION listed below.

*After connecting a GPS to the Tracker you must set TOSV TRUE in order to send ACTUAL location information from the GPS.

TPROTOCOL COMPRESSED – This is the format that enables the receipt of information by the TRXUV transceiver onboard Duchifat1 satellite.

BPERIOD 0 – Disables text transmission cycle

PPERIOD 7 - sends position packet every 7 seconds (please listen to satellite's downlink and stop sending positions as soon as your transmission was received by the satellite)

PATH1 % - Disables the outgoing digipath of the Tracker

PATH2 % - Disables the outgoing digipath of the Tracker

PATH3 % - Disables the outgoing digipath of the Tracker

TSYMTABLE <char> - Replaces the APRS TABLE (Acquired via the website at registration)

TSYMCODE <char> - Replaces the APRS SYMOBLE (Acquired via the website at registration)

STATUSRATE 0 – Disables the attachment of additional text to the location transmission

TELREAD FALSE – disables automatic transmission of Telemetry from the Tracker

TELTEMP FALSE - disables automatic transmission of temperature from the Tracker

TELVOLT FALSE - - disables automatic transmission of voltage from the Tracker

TIMESTAMP FALSE – disables the transmission of a timestamp

PKTO TRUE – a Tracker command to display the information relayed through AX.25 in the RS232 channel.

TXD 70 – Adds delay for packet transmit from PTT (in intervals of 7 milliseconds)

CDMODE INVERTEDPIN2 – makes so that the tracker transmits even if there's noise (alternatively: PIN2)

LOCATION – type in a location when a locked GPS is not available. Used in conjunction with 'TOSV FALSE' above.

LOCATION is used with the following format:

ddmm.mmmmx dddmm.mmmmx

(d – degrees, mm – minutes, mmmm – a decimal fraction of the minutes)

For example, to set to 34° 45.29' North, 76° 13.7482' East, use
LOCATION 3445.2900N 07613.7482E

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