

MODEL RACING TECHNOLOGY (rclaps.com)

PTX Personal Transponder - system 2, 3 and 4 compatible Instructions for PTX-20, PTX-20 Custom / Cloned & 'Enhanced'

Refer to the instructions relevant to the PTX firmware version as shown below:

PTX version: PTX-20 ☐ PTX-20 Custom / Cloned ☐ 'Enhanced' ☐

PTX-20 - the 7 digit ID is selectable from 20 available (Number **SET ONE & TWO**)

PTX-20 Custom / Cloned - the 7 digit ID is selectable from 20 available (as PTX-20) or custom / cloned ID number can be selected: number shown below as †

'Enhanced' - the ID is selectable from Number **SET ONE** or **SET TWO /option**

PTX Custom / Cloned ID Number: † /		
displayed by a "Constant Flicker-Flash"		
PTX Number SET ONE "Flash" (1 to 10) ID: 1 = 4961721 2 = 3519622 3 = 6091953 4 = 5640314 5 = 4572215 6 = 7531106 7 = 2351957 8 = 2688158 9 = 3073479 0 = 5564690	PTX Number SET TWO "Flicker-Flash" (1 to 10) ID: 1 = 9887001 2 = 7621202 3 = 6000513 4 = 8110984 5 = 5843805 6 = 8087916 7 = 4748687 8 = 6099608 9 = 5781589 0 = 9577130	SET TWO /option "2Flash-Flash" (1 to 10) ID: 1 = 2 = 3 = 4 = 5 = 6 = 7 = 8 = 9 = 0 =

ID Number Display: to show the currently selected ID number, press and release the setup button when the PTX is connected to power and is not in 'setup' mode.

How to change the ID Number: with PTX connected (LED is on) press and hold the setup button until the LED flashes. The number of flashes displays the ID that is set (also press and hold setup button to switch between number SET 1, 2 or 2/o). With the LED flashing in 'setup' mode to change the ID number press and release setup button until the required ID is selected (ID 1-10 "flash" or 1-10 "flicker-flash" or "2flash-flash") disconnect PTX from power to complete the ID number selection.

Custom / Cloned ID Number selection: sets custom/cloned number (if available) press and hold the setup button and then connect the PTX, the LED will display a "constant flicker-flash", disconnect PTX to complete selection of custom/cloned ID. *to set a new custom ID (if available) follow instructions for selection as described but continue to hold, after the 'warning reset' flashes ID is set to a new custom ID.

***Note: WARNING! If custom ID is reset a new ID will replace the previous ID**
(after ID reset pass PTX over auto-count timing loop to display new custom ID)

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PTX Installation and Mounting

It is recommended that the PTX should be fitted flat to the chassis in a horizontal position clear of 'signal strength reducing' obstructions. The transponder orientation is important because maximum effective 'height from loop' operation is from the top and bottom of the PTX.

The PTX should be mounted securely in a safe location which is not adjacent to electrical or radio equipment, or components/wiring etc. A safe location **must** be away from heat and vibration, it should also be a position that is well away from potential impact/crash damage.

PTX Power Lead Replacement: remove base screws, fit new lead.

Compliance statement (part 15.19)

This device complies with part 15 of the FCC Rules.

Operation is subject to the following two conditions:

- (1) this device may not cause harmful interference, and
- (2) this device must accept any interference received, including interference that may cause undesired operation.

Warning (part 15.21)

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

FCC ID: RDVPTX1

MRT PTX Direct Powered Transponder Specifications

Stored ID numbers: 20 +1 (custom / cloned)

Case: 22 x 15 x 7mm, waterproof / fuelproof ('hard case')

Mounting options: 3-hole 'tab base' or direct fitting (no tabs)

Weight: 3g approx. (without power lead fitted)

Temperature range: 0°-50°C (32°-122° F)

Signal transfer: magnetic induction

Power feed: from free Rx channel ('Ch3') / 'Batt' (or battery)

Power lead length: standard 190mm (approx. 7.5 inch)

Connection plug: standard servo plug

Operating voltage: 6V DC

Power consumption: approx 7.5mA @ 6VDC

Display LED: standard Blue '2flash' / 'flash' / 'flicker-flash'

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