

MODEL RACING TECHNOLOGY (rclaps.com)

PTX Personal Transponder (AMBrC and AMBrC3 compatible) Instructions for PTX-10, PTX-20, PTX-20 Custom / Cloned

Please refer to the instructions relevant to the PTX version as indicated below:

PTX version: PTX-10 ☐ PTX-20 ☐ PTX-20 Custom / Cloned ☐

PTX-10 - the 7 digit ID is selectable from 10 numbers (listed in Number SET ONE)

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 the custom / cloned ID number can be selected

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

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 the setup button to switch between number SET 1 & 2). 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") then 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 select new custom ID (if available) follow instructions for selection as described and then continue to hold. After 'warning reset flashes' custom ID is set to a new ID.

***Note: WARNING! If custom ID is reset a new ID will replace the previous ID**
(after ID reset pass PTX over AMBrC/AMBrC3 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 obstructions that reduce signal strength. 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 too close to electrical or radio equipment or components and wiring. A safe location must be away from heat and vibration, it should also be a position that is well away from any potential impact damage.

PTX Power Lead Replacement

For shrink PTX lead replacement, 'shrinkwrap' and lead is changed. For cased PTX versions remove all four screws from the base of the PTX using a suitable screwdriver. With the screws removed carefully 'push and slide' the base to move and ease it away from the case top. Remove the base by gently lifting it away from the case. The power lead can now be cut to allow for the replacement lead to be soldered on and the base to be refitted. Care should be taken to avoid too much heat or any other damage inside the transponder as this is not covered by the PTX warranty. If in any doubt return the transponder to MRT for power lead replacement, also return for servicing or repairs if required.

MRT PTX Direct Powered Transponder Specifications

Stored Numbers: 10, or 20 (with custom / cloned options)

*Case: 22 x 15 x 7mm, waterproof and fuelproof**

Mounting: direct fitting or optional 'tab' base (3 hole)

Weight: approx 3g (without power lead)

Temperature range: 0-50 C

Power feed: from a free RX channel (or 'Batt')

Power lead: approx 190mm or custom (replaceable lead)

Connection plug: standard servo plug

Operating voltage: 2.8V - 30V DC

Power consumption: approx 7.5mA @ 6VDC

Display LED: standard or custom colour

**Note: 'Shrink' PTX for indoor use only, NOT waterproof.*

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