DSM2 Model Railway Controllers

These model rail transmitters are all low-power, short-range and support the DSM2 protocol. They use the MT01 module with a profile appropriate to the set of controls provided by a particular transmitter. The ready-to-use transmitters require a PP3 9V battery (not included) which is installed via a rear panel battery hatch.

Although these transmitters are designed to work with Micron and Deltang receivers for land-based vehicles and R/C model rail, they can be used with any DSM2 receiver.

Tx10 Controller

Tx10 is a simple hand-held train controller with one forward/reverse speed control and a push-button for receiver binding. It is ideal as a basic, entry-level transmitter for modellers who don't need a more complex controller. The push button can be used to operate a whistle or horn if you have a sound card.

As Tx10 does not have a toggle switch on R/C channel 3, it cannot be used for programming receivers.

The case dimensions are 92 x 66 x 28mm and the PP3 battery is accessed via a sliding panel on the rear of the case. More information can be found in the user manual.

Price from £45.00

Tx20v2 Controller

Tx20v2 is hand-held train DSM2 controller with one speed control, three push-button controls and one 3-way switch.

Tx20v2 can be used to program Micron receivers using the 3-way toggle switch to step through programming levels. Programming details for each receiver may be accessed from the web page for the receiver.

The case dimensions are 92 x 66 x 28mm and the PP3 battery is accessed via a sliding panel on the rear of the case. More information can be found in the user manual.

Price from £54.00

Tx20Sv2 Controller

Tx20Sv2 is a hand-held wireless transmitter intended to control one model railway live steam locomotive or a battery electric locomotive with the ESC set to low-off throttle. Tx20Sv2 has a large knob for regulator control plus a smaller knob for valve gear (or ESC direction control) and three push buttons for auxiliary functions (e.g. a whistle servo).

Tx20Sv2 can be used to program Micron and Deltang receivers using the direction control to step through programming levels. Programming details for each receiver may be accessed from the web page for the receiver.

The case dimensions are 112 x 66 x 28mm and the PP3 battery is accessed via a sliding panel on the rear of the case. More information can be found in the user manual.

Price from £64.00

Tx21v2 Controller

Tx21v2 is hand-held train DSM2 controller with one speed control, an inertia control, one push-button controls and one 3-way switch.

Tx21v2 can be used to program Micron and Deltang receivers using the 'SOS' method to enter programming mode and the 3-way toggle switch to step through programming levels. It cannot be used for programming Deltang Rx4x receivers. Programming details for each receiver may be accessed from the web page for the receiver.

The case dimensions are 92 x 66 x 28mm and the PP3 battery is accessed via a sliding panel on the rear of the case. More information can be found in the user manual.

Price from £54.00

Centre-Off Throttle

Tx22v2 Controller

Tx22v2 is a revision of the Deltang Tx22 in a hand-held case with separate battery compartment. Controls for speed, inertia and loco selection plus a 2-way toggle switch and push button. The case dimensions are 112 x 66 x 28mm. Tx22v2 can be used to program Micron and Deltang receivers using the toggle switch to step through programming levels. Programming details for each receiver may be accessed from the web page for the receiver.

More information can be found in the user manual.

Low-Off Throttle

Tx22v2 is available in 2 basic versions:

1. centre-off throttle and toggle switch used for auxilary functions, e.g. lighting, sound triggers or couplers
2. low-off throttle and toggle switch used for direction control

The toggle switch may be specified as self-centring or latching:

- self-centring: the switch returns to the centre when released.
- latching: the switch stays put when released.

Either toggle type works well with Micron receivers as auxiliary outputs can be configured as momentary or latching and the ESC direction change requires only a momentary press of the toggle.

Price from £72.00

Tx22pb Controller

Tx22pb is a version of Tx22v2 with the inertia control replaced with a push button. Many users of Tx22v2 never use the inertia control and another aux control is much more useful - can be used for lighting, sound trigger or as an emergency stop. The case dimensions are 112 x 66 x 28mm. Tx22pb can be used to program Micron receivers using the toggle switch to step through programming levels. Programming details for each receiver may be accessed from the web page for the receiver.

More information can be found in the user manual.

Tx22pb is available in 2 basic versions:

1. centre-off throttle and toggle switch used for auxilary functions, e.g. lighting, sound triggers or couplers
2. low-off throttle and toggle switch used for direction control

The toggle switch may be specified as self-centring or latching:

- self-centring: the switch returns to the centre when released.
- latching: the switch stays put when released.

Either toggle type works well with Micron receivers as auxiliary outputs can be configured as momentary or latching and the ESC direction change requires only a momentary press of the toggle.

Price from £72.00

Tx22X Controller

Tx22X is an extended version of Tx22. Controls for Speed, Loco selection, and Inertia plus two toggle switches and two push buttons for auxiliary functions such as lighting, couplers and sound card triggers. Powered by a 9V PP3 which is in a separate battery compartment with a removable cover. Case dimensions: 140 x 66 x 28mm.

Controls:

- Throttle: channel 1, forward/reverse or low-off
- Selecta: channel 2, 1..12
- Inertia: Tx internal
- S1: channel 3, toggle switch up=high down=low or up=fwd down=rev
- S2: channel 4, push button up=mid down=low
- Bind: channel 5, push button up=high down=low
- S3: channel 7, toggle switch up=high down=low

where low, mid and high refer to the R/C channel values.

The toggle switch may be specified as self-centring or latching:

- self-centring: the switch returns to the centre when released.
- latching: the switch stays put when released.

Either toggle type works well with Micron receivers as auxiliary outputs can be configured as momentary or latching and the ESC direction change requires only a momentary press of the toggle. Tx22X can be used to program receivers using the S1 toggle switch to step through programming levels. Programming details for each receiver may be accessed from the web page for the receiver. More information can be found in the user manual.

Price from £82.00

Tx22Xcs Controller

The design of Tx22Xcs has been optimised to make it usable for both live-steam and battery electric locomotives. It has a rotary control for throttle / regulator and a 12-way loco selection switch plus a direction toggle switch. It has a slider which is switchable between inertia and an auxiliary function plus 2 push buttons also for auxiliaries. Powered by a 9V PP3 which is in a separate battery compartment with a removable cover. Case dimensions: 140 x 66 x 28mm.

Battery electric locos can be configured for either low-off or centre-off throttle; if centre-off is selected, the toggle switch can be used for additional functions such as sound card triggers, lighting or servo controller couplers.

The slider control is ideal for chime type steam whistles as the operating point of these varies with steam pressure. The slider can also be used for any other auxiliary function where a linear analogue control is more appropriate than a rotary control. The 2-way toggle switch next to the slider switches it between operating the built-in inertia function or the auxiliary control.

Controls:

- Throttle: R/C channel 1, forward/reverse or low-off
- Selecta: R/C channel 2, 1..12
- S1: R/C channel 3, toggle switch right (FWD)=high left (REV)=low
- S2: R/C channel 4, push button up=mid down=low
- Bind: R/C channel 5, push button up=high down=low
- Slider: switchable between inertia and R/C channel 7

where low, mid and high refer to the R/C channel values. More information can be found in the user manual.

Price from £87.00

Tx24v2 Controller

Tx24v2 is an enhanced version of Tx24. Controls for low-off speed, centre-off reverser, loco selection, and inertia plus a centre-biased toggle switch and 2 push buttons for auxiliary functions such as lighting and couplers. Powered by a 9V PP3 which is in a separate battery compartment with a removable cover. Case dimensions: 140 x 66 x 28mm.

Tx24v2 is ideal for control of live-steam locos - combine with MR001 and 2 small servos for a simple but effective installation. Tx24v2 may also be used with battery powered locos using one of the Micron receivers with built-in speed controller. More information can be found in the user manual.

Tx24v2 can be used to program Micron receivers using the reverser knob to step through programming levels. Programming details for each receiver may be accessed from the web page for the receiver.

Price from £74.00

Tx24p3 Controller

Tx24p3 is designed for live-steam locos. It has rotary controls for low-off regulator, centre-off reverser, inertia and auxiliary (e.g blower or gas) plus a 12-way loco selection switch and 2 push buttons for functions such as lighting and couplers. Powered by a 9V PP3 which is in a separate battery compartment with a removable cover. Case dimensions: 140 x 66 x 28mm.

More information can be found in the user manual.

Price from £74.00