

# Micron MR001d DSM2/DSMX Receiver for Land-Based Vehicles



## Micron MR001d 2.4GHz DSM2/DSMX Receiver

### Description:

MR001d is a small (30 x 18 x 11mm) DSM2/DSMX compatible receiver with 11 servo and on/off outputs. 7 outputs are via 'standard' 0.1 inch pitch pins at the front of the receiver that take JR/Hitec/Futaba connectors and 4 outputs are via an optional JST-SH connector at the rear (aerial end).

MR001d is suitable for use in live-steam and large battery electric locos. It can drive speed controllers, servos and LEDs (auto-directional lights and manually switched from the transmitter). The dimensions allow it to fit easily into many 32/45mm steam or diesel locomotives.

The voltage range is 3.5V to 8.4V so is best powered from a 4 or 5 cell NiMH battery for live-steam or from the 5V BEC speed controller output for battery electric locos. If you need to power from a single LiPo cell, a [5V or 6V booster](#) may be used.

MR001d is compatible with all Micron [model rail transmitters](#), and Spektrum compatible stick-type aircraft transmitters (e.g. DX6). Selecta is supported for use with [Tx22](#) and [Tx24](#) type transmitters. Selecta is disabled by default but easily enabled using the supplied jumper plug. MR001d must be bound to a transmitter before use and will automatically enter bind mode if a previously bound transmitter signal is not found within 5 seconds of switch on. A jumper plug placed across signal pins 5 & 7 will force MR001d into bind mode immediately after switch-on. Auto bind may be disabled if required.

All MR001d outputs can be configured for servo or 0V/3.3V switched, the [standard configuration](#) provides 5 servo outputs and 2 directional LED outputs on the JR connector pins (P1 to P7) and momentary plus latching switched outputs on the optional JST-SH connector (P8 to P11) (other configurations of servo and switched outputs can be provided to special order).

### Configuration:

MR001d has 11 outputs:

- P1..P7: 7 x JR style pin sets at the front
- P8..P11, 0V, 3.3V: JST-SH 6 pin socket at rear

Each output can be configured for servo or on/off switched. The pre-loaded configurations are shown below. Unless otherwise specified when the receiver was ordered, config 1 is enabled by default. The other loaded configurations can be selected using a power-on jumper change or by programming.

## Configurations

This configuration table is for firmware version 1.9.1. For other versions, refer to [mrxxx version](#).

The pre-loaded configurations are shown below. Unless otherwise specified when the receiver was ordered, config 1 is enabled by default. The other loaded configurations can be selected using a power-on configuration change or by programming.

Port	1: Centre-off throttle, no Selecta	2: MyLocoSound triggers on P3-P5 (Tx22)	3: MyLocoSound triggers on P3-P5 (Tx20)
H1	Centre-Off ch1	Centre-Off ch1	Centre-Off ch1
P1	Throttle servo or ESC on H1	Throttle servo or ESC on H1	Throttle servo or ESC on H1
P2	Servo on ch2	Servo on ch7	Servo on ch2
P3	Servo on ch3	Momentary on ch3, low 0V	Momentary on ch2, low 0V
P4	Servo on ch4	Momentary on ch3, high 0V	Momentary on ch4, low 0V
P5	Servo on ch5	Momentary on ch5, low 0V	Momentary on ch5, low 0V

Port	1: Centre-off throttle, no Selecta	2: MyLocoSound triggers on P3-P5 (Tx22)	3: MyLocoSound triggers on P3-P5 (Tx20)
P6	Forward Light on H1 (LED2)	Forward Light on H1 (LED2)	Forward Light on H1 (LED2)
P7	Reverse Light on H1	Reverse Light on H1	Reverse Light on H1
P8	Momentary on ch3, low 3.3V	Momentary on ch3, low 3.3V	Momentary on ch3, low 3.3V
P9	Momentary on ch3, high 3.3V	Momentary on ch3, high 3.3V	Momentary on ch3, high 3.3V
P10	Latch on ch3, start 0V, toggle low	Latch on ch3, start 0V, toggle low	Latch on ch3, start 0V, toggle low
P11	Latch on ch3, start 0V, toggle high	Latch on ch3, start 0V, toggle high	Latch on ch3, start 0V, toggle high
<a href="#">LED2</a>	P6	P6	P6
<a href="#">Selecta</a>	Disabled	Enabled	Disabled
<a href="#">LVC</a>	Disabled	Disabled	Disabled
<a href="#">Sleep time</a>	1 hour	1 hour	1 hour
<a href="#">Cruise</a>	Enabled	Enabled	Enabled

Other configurations are available to special order or you can configure yourself by [programming](#) (v1.9.1).

Weight: 4.5gm, dimensions: 30mm x 18mm x 11mm.

From: £22.00

Price: from £22.00

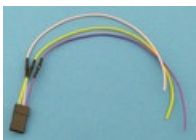


### JR Plug & 2 Wire Lead For MR00x Receiver (pair)

A pair of 150mm lead-out wires for front & rear lights (P6 & P7) on MR00x receivers.

See the [MR001 ESC & Lighting](#) document for LED connection information.

£ 1.45



### JR Plug & 3 Wire Lead For Sound Triggers From MR00x Receiver

A JR plug and 3 x 150mm lead-out wires with series 4k7 ohm resistors for connecting MyLocoSound triggers to P3, P4 & P5 on MR00x receivers.

£ 1.95