

Radio transmitter, 433MHz PARADOX™ compatible  
Connect to vehicle high beam and control garage doors and gates

## 1.0 Overview



- ✓ Ideal for connecting to high-beam of car so single flash of headlights opens gate or garage door. Double flash opens second gate or garage door.
- ✓ Easy to install, only ONE pair of wires.
- ✓ To control gate or garage door from your car, you can use low cost TR800-433PM receiver (with RLDP-V relay board) or most Paradox™ compatible wireless alarm systems.
- ✓ 433MHz radio transmitter, compatible with Paradox™ series keyfob alarm transmitters.
- ✓ Apply single 12V pulse to activate Channel 1 transmission.
- ✓ Apply dual 12V pulses to activate Channel 2 transmission.

## 2.0 Specifications

Parameter	Description
Dimensions (mm)	44w x 29d x 25h
Weight	42g
Frequency	433.42MHz
Modulation	ASK
Compatible receivers	Livewire TR800-433PM
Number of channels	Two (2)
Transmitted codes	Channel 1: B4 Channel 2: B3
Pulse time	50ms-300ms
Max time between pulses	750ms
Operating temp	0 deg C – 55 deg C
Operating voltage	12VDC (11.5V min, 13.8V max)
Operating current	30mA max
LED Cadence	Quick flash when transmitting

### MOUNTING HINTS:

1. Mount the T433PLV behind plastic grille or bumper.
2. Do not mount in centre of engine bay surrounded by metal.
3. Mount with LED facing forward in direction of blue arrow.

## 3.0 Learning T433PLV into TR800-433PM Receiver

3.1 To Learn Channel 1 (single flash) of T433PLV into TR800-433PM receiver:

- a) Put the TR800-433PM receiver into learn mode (push LEARN button).
- b) QUICK single pulse T433PLV (12VDC). LED flashes 3 times.
- c) Repeat QUICK single pulse. LED flashes 3 times.

3.2 To Learn Channel 2 (double flash) of T433PLV into TR800-433PM receiver:

- a) Put the TR800-433PM receiver into learn mode (push LEARN button).
- b) QUICK double pulse T433PLV (12VDC). LED flashes 3 times.
- c) Repeat QUICK double pulse. LED flashes 3 times.

**PROGRAMMING HINT:** If installing alone, it may be easier to program the T433PLV into the TR800 receiver before installing in the vehicle. You can use the 12V supply at the receiver to do this by using it to provide the 12V pulses manually to the T433PLV. Test it here too.

This product is designed in New Zealand by Technology Marketing and Development Consulting Ltd (TMD Consultants).  
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