

# MAVERICK

# RMI

# MITX-314G TRANSMITTER Manual

Thank you for selecting this Maverick RC product!  
HAVE FUN! But please read this first !!

We know you will have great fun with your model, but to get the best from your purchase please read this information BEFORE you operate the model.

## Additional Information

If your transmitter was bundled with a car, then information on the car operation can be found in the relevant manual.

### QS

Quick Start Guide



+



### TG

Technical Guide



+



### SG

Startup Guide



### RMI

This Guide



### EMI

ESC Guide



### i EMI 1-1

**NOTE** - This refers to the relevant guide (as above) and the relevant section. In this example, Section 1-1 of the ESC Manual.

# MVK

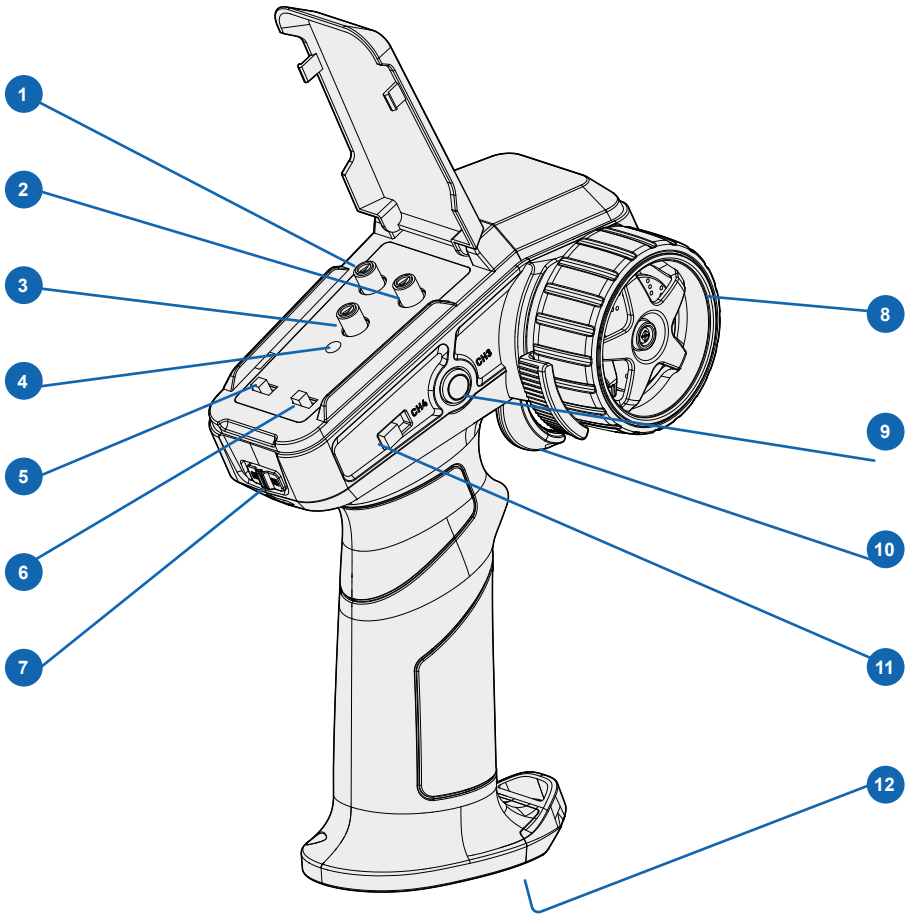
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En 151240-006

# 1 OVERVIEW

## 1-1 Transmitter Controls



1 Steering Trim

2 Steering Dual Rate

3 Gyroscope Control

4 Transmitter Indicator LED

5 Reverse the throttle function.

6 Reverse the steering function.

7 Power on/ off

8 Steering Wheel (CH1)

9 CH3: Control Button

10 Throttle Trigger (CH 2)

11 CH4: Throttle Speed Limiter Switch

12 Battery Cover

## 1-2 Transmitter Operation

This transmitter is for use with the Maverick MSRS-313 2 In 1 Receiver/Esc or MRX-314 2.4GHZ 4Ch Receiver.

These functions only work as described when used with those products.

### 1-2-1 Steering Trim

To be used for centering the steering



### 1-2-2 Steering Dual Rate

To be used for centering the throttle



### 1-2-3 Gyroscope Setup

An RC car gyroscope is an electronic stability aid that automatically applies counter-steering to reduce spinning and sliding while improving straight-line control—particularly at high speeds or in rear-wheel-drive drift setups. Installed between the receiver and the steering servo, it detects unintended movement and makes real-time corrections to help the car handle more smoothly and predictably.

Use the CH5 knob on the Transmitter to adjust the gyroscope's effect ratio and sensitivity:

- (1) Clockwise rotation: Increases the effect ratio (enhances gyroscopic correction force).
- (2) Counterclockwise rotation: Decreases the effect ratio (reduces gyroscopic intervention).

#### NOTES

1. Before using the ratio of gyroscope on the transmitter, adjust the Steering Trim so that the vehicle can drive as straight as possible, then turn on the gyro. (If the vehicle's inherent steering neutral point is off-center, turning on the gyro will cause it to constantly work in a correction state during driving, resulting in the vehicle wobbling/swerving left and right continuously.)
2. If the gyro sensitivity is set too high, resulting in excessive correction responsiveness, the vehicle will wobble or oscillate left and right during high-speed runs. In this case, appropriately reduce the gyro sensitivity until the vehicle no longer shakes or wobbles at high speed.
3. The higher the gyro sensitivity, the greater its intervention in steering (resulting in a larger turning radius).

## 1-2-4 Transmitter Indicator LED

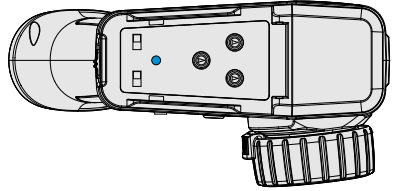
Situation 1:

If the signal becomes weak or is lost, the indicator light will flash quickly.

Situation 2:

If the transmitter battery power is low, the indicator light will flash slowly.

**If either of these situations occurs, stop using the model and check the batteries or signal connection immediately to prevent loss of control or accidents.**



## 1-2-5 Reverse Switches

These functions reverse the motion direction of the steering channel (ST) and the throttle channel (TH) respectively.

## 1-2-6 CH4: Throttle Speed Limiter Switch

The Throttle Speed Limiter allows you to set the maximum throttle output of your RC model.



## 1-2-7 CH3: Control Button

**Function 1: Frequency Pairing**

1. If automatic pairing fails, turn off all power sources.
2. Restart the ESC power supply.
3. Press and hold the CH3 button while turning on the transmitter power.
4. Release CH3.

When all lights stay lit continuously, pairing is successful.

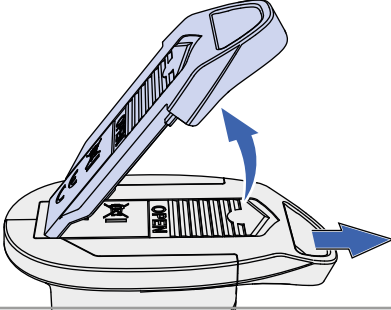
**Function 2: Change Light Color**

Corresponding to CH3 channel on SR6 receiver. After connecting the wire between LED light of car body and CH3 channel of SR6, long press the CH3 button of transmitter to change color (7 different of colors : white -> Red -> Green -> Blue -> Yellow -> Purple -> Light Blue), short press to switch light flashing modes (5 different of modes).

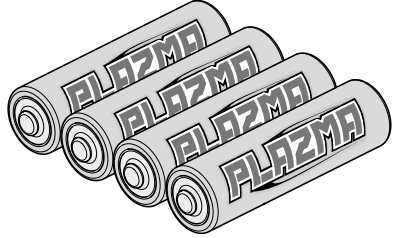
# 2 GETTING STARTED

## 2-1 Transmitter Battery Installation

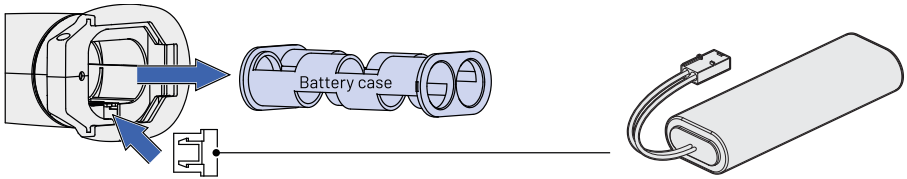
**1** Open battery cover at the bottom of transmitter



**2** Insert 4 fully-charged AA batteries into the compartment checking the polarity



**3** Alternatively, remove the battery tray to use a compatible battery pack



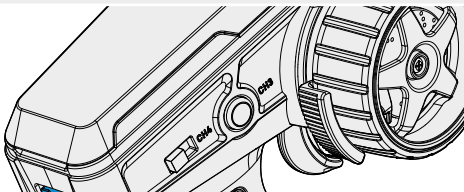
**Tip**

Always use high-quality alkaline or rechargeable NiMH AA batteries for best performance.

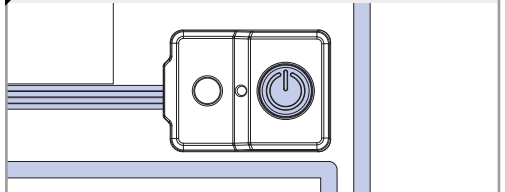
If using rechargeable batteries, remove them from the transmitter before charging.

## 2-2 Switching on

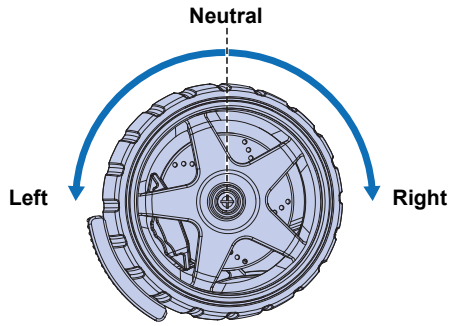
**1** Switch on transmitter first



**2** Then switch on power on Car/Receiver/ESC



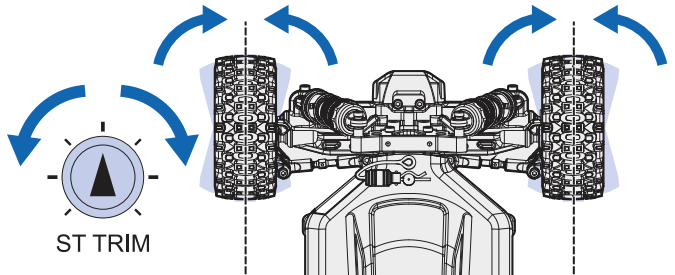
## 2-3 Steering



## 2-4 Steering Adjustments

### 2-4-1 Steering Trim Setup

**Steering Trim:** Trim adjustment allows you to finely tune the inputs from your transmitter. It's the dial you reach for when your RC car isn't tracking straight. The steering trim is what helps navigate the RC car in a straight line.

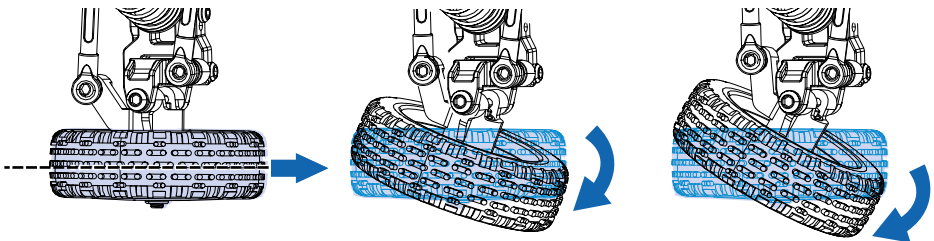


### 2-4-2 Steering Dual Rate Setup

**Steering Dual Rate:** Steering Dual Rate knob can be set to control the steering throw: (I)Turning the knob clockwise to increase the steering throw.

Turning the knob anticlockwise to reduce the steering throw.

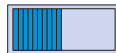
The steering rudder amount is recommended to be controlled within 75% to avoid excessive steering resulting in friction between the front wheel and the car shell, and the appropriate steering range can better maintain the body attitude and control comfort.



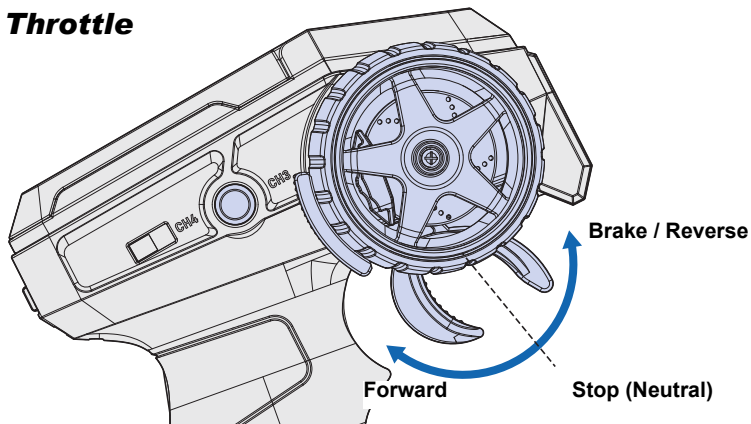
## 2-4-3 Steering Reverse

If the vehicle turns right when you steer left and turns left when you steer right, flip the "Steering Reverse" switch.

**ST.REV**



## 2-5 Throttle



## 2-6 Throttle Adjustments

### 2-6-1 Throttle Reverse

If the vehicle goes backwards when you pull the trigger, flip this switch. If the vehicle goes forwards when you push the trigger, flip this switch.

**TH.REV**



### 2-6-2 Throttle Rate Setup

The Throttle Speed Limiter allows you to set the maximum throttle output of your RC model.

There are three speed levels available: 50%, 75%, and 100%.

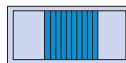
1. L (Low Speed – 50%): Recommended for beginners or training mode.
2. N (Medium Speed – 75%): Suitable for general driving and mixed conditions.
3. H (High Speed – 100%): Full power mode for experienced users.

Start at a lower speed setting until you become comfortable with the handling of your model, then increase as your driving skills improve.

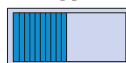
**L**



**N**



**H**



# 3 SETUP/CUSTOMISATION

## 3-1 **Binding/Pairing**

**Binding (also called pairing) is the process of creating a secure connection between the transmitter and the ESC/Receiver, allowing the model to respond only to that specific transmitter. In most cases, the binding process will happen automatically when both the transmitter and the ESC/Receiver are switched ON and within range.**

If auto-pairing fails, follow these steps to rebind the system manually:

1. Turn OFF all power sources.
2. Restart the ESC/Receiver power supply.
3. Press and hold the CH3 button while turning on the transmitter power, then release CH3.

When all indicator lights remain solid, it means the frequency pairing is successful.

If the lights continue to flash or the model does not respond, repeat the steps above until the connection is established.

## 3-2 **Fail Safe Setup**

**This car has a built-in fail safe system that will stop the car if the radio glitches, either because of interference or if the car goes out of range.**

The fail safe system has been setup at the factory, but you should become familiar with the function of the fail safe and check the operation before running.

**Refer to your car/receiver manual for further information.**



**Caution**

Any new binding of transmitter & receiver will clear the preset fail safe.



**Caution**

The fail safe can not completely protect your car.

# 4 AFTER USE

## 4-1 Switching Off

**IMPORTANT:** Always power OFF the ESC/Receiver before the transmitter.

1. Remove the car body
2. Switch off the vehicle's ESC/Receiver (short press  $\leq 1$  second) power and disconnect the battery.
3. Turn off the transmitter power
4. Remove the battery when not using the car.



### Attention

Always power OFF the ESC/Receiver before the transmitter to prevent loss of control.



### Caution

Disconnect the battery whenever the model is not in use.  
If left connected, the vehicle may start unexpectedly or the battery may overheat and cause a fire.

### FCC COMPLIANCE STATEMENT

This device transmits in the range 2.4 to 2.4835 GHz and has been tested to comply with the limits for a Part 15 Class B device of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. Any change or modification to the device not expressly approved by the manufacturer may void the user's authority to operate the equipment. 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.

### Canada Compliance Statement:

This Class B digital apparatus complies with Canadian ICES-003. (Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada.) This equipment complies with the FCC/IC radiation exposure limits set forth for FCC and Industry Canada portable transmitting devices operation in an uncontrolled environment. The equipment should only be used or installed at locations where there is normally at least a 20cm separation between the antenna and all persons. This transmitter must not be co-located or operated in conjunction with any other antenna or transmitter.

### CE Compliance statement

The radio equipment type in this product transmits in the frequency range 2.4 to 2.4835 GHz with a maximum power of 18dBm and is in compliance with EU Directive 2014/53/EU. The full text of the Declaration of Conformity is available at [www.hpiracing.com/ce](http://www.hpiracing.com/ce)

Cet appareil transmet dans la gamme de fréquence de 2,4 à 2.4835 GHz avec une puissance de 18dBm et est conforme à la Directive UE 2014/53 / UE.

Le texte intégral de la Déclaration de conformité est disponible sur [www.hpiracing.com/ce](http://www.hpiracing.com/ce)

El tipo de equipo de radio en este producto transmite en el rango de frecuencia de 2.4 a 2.4835 GHz con una potencia máxima de 18dBm y cumple con la Directiva de la UE 2014/53/UE. El texto completo de la Declaración de conformidad está disponible en [www.hpiracing.com/ce](http://www.hpiracing.com/ce)