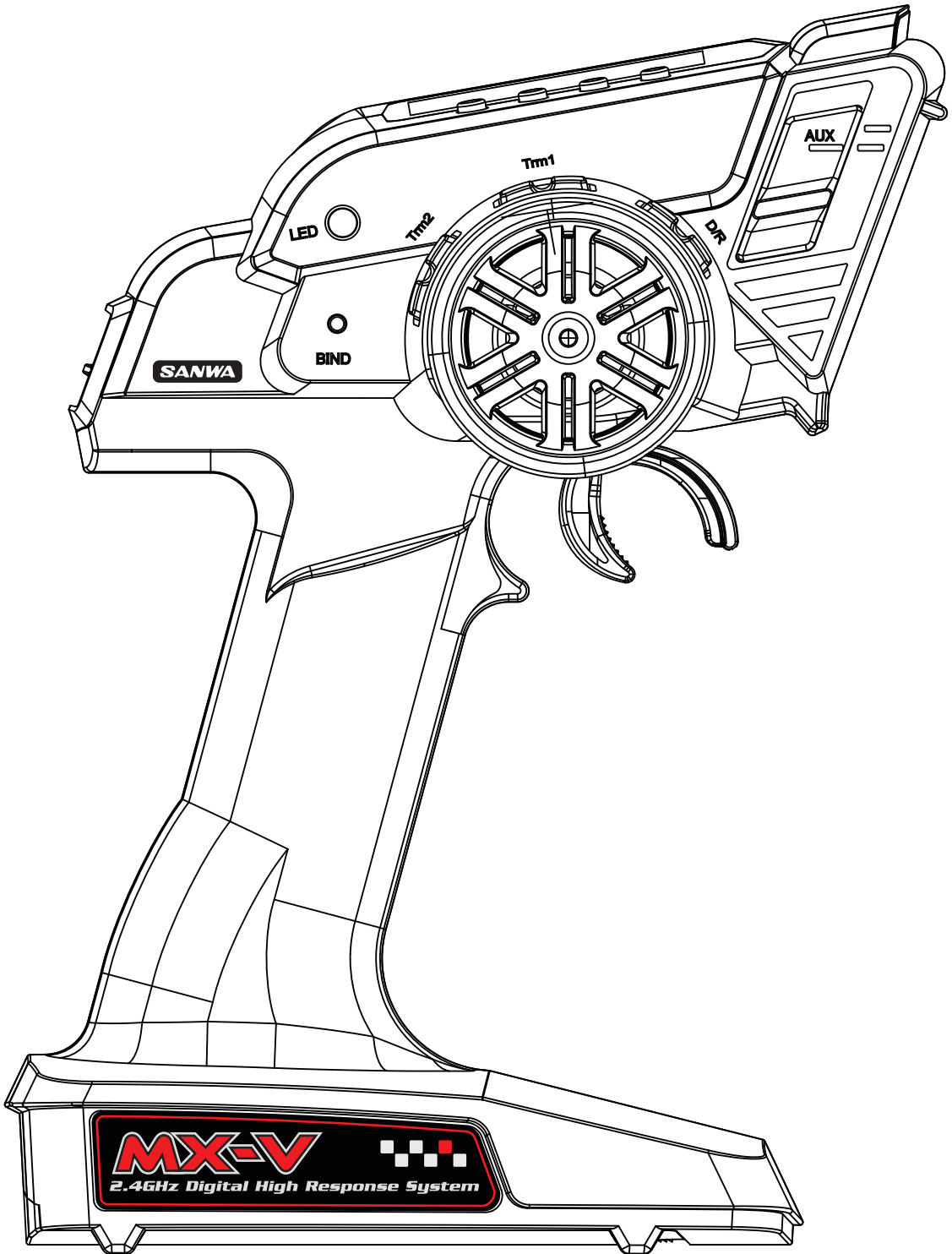


# SANWA

# MX-V

FHSS-2/FH2F/DSSS-2 2.4GHz



## 3 CHANNEL COMPUTER RADIO SYSTEM

## INTRODUCTION

Congratulations! We appreciate your purchase of the SANWA MX-V 2.4GHz radio control system. This Operating Manual is intended to acquaint you with the many unique features of your radio control system. Please read this Operating Manual carefully so that you may obtain maximum success and enjoyment from the operation of your new radio control system. The MX-V 2.4GHz radio control system has been designed for the utmost in comfort and precise control of all types of model cars and boats. We wish you the best of success and fun with your new purchase.

## GENERAL SAFETY

This is a high-output full-range radio control system that should well exceed the range needed for any surface model. For safety, the user should perform a range test at the area of operation to ensure that the radio control system has complete control of the model at the farthest reaches of the operational area. Rather than operating the model, we recommend that the user enlist the help of a fellow modeler to walk the model to the farthest reaches of the track (or for boats, to walk the shore line well in excess of the operational distance of the boat), then test for proper operation.

- 'Safety First' for yourself, for others, and for your equipment. Your model can cause serious damage or injury, so please use caution and courtesy at all times.
- Please waterproof the receiver and servos by placing them in a water-tight radio box when operating R/C model boats.
- Observe all the rules of the field, track, or lake where you operate your radio control equipment.
- If you have little to no experience operating R/C models, we recommend you seek the assistance of experienced modelers or your local hobby shop for guidance.
- If at any time during the operation of your model, should you feel or observe erratic operation or abnormality, end your operation as quickly and safely as possible. DO NOT operate your model again until you are certain the problem has been corrected. TAKE NO CHANCES.
- The Low Voltage Alarm will sound when the transmitter battery voltage drops to 4.2 volts. If this occurs, stop using the transmitter as soon as possible, then replace or recharge the transmitter batteries.

## FCC COMPLIANCE STATEMENT

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 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 operating instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and the receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced technician for help.

This device complies with Part 15 of the FCC Rules and with RSS-210 of Industry Canada. 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.

**WARNING:** Changes or modifications made to this equipment not expressly approved by Airtronics may void the FCC authorization to operate this equipment

### RF Exposure Statement

This transmitter has been tested and meets the FCC RF exposure guidelines when used with the SANWA accessories supplied or designated for this product, and provided at least 20cm separation between the antenna and the user's body is maintained. Use of other accessories may not ensure compliance with FCC RF exposure guidelines.

## SYSTEM FEATURES

Unique and functional pistol grip transmitter design  
Well balanced for precise control  
Non-slip foam steering wheel  
Well placed digital trim & D/R levers  
Optimum third channel switch location  
Big LCD display  
Low Battery warning  
Quick Binding and Fail Safe Setup  
High performance micro 3 channel receiver  
NiCd charger jack in transmitter ( optional )  
Sound Beep

### Screen Display

Digital Trim indicators (throttle and steering)  
Dual Rate Steering  
EPA Steering, Throttle, AUX  
**EXP** Steering, Throttle  
**ALB** Throttle  
Model Memory (10)  
Sub-Trim Steering, Throttle  
Servo Rev Steering, Throttle, AUX  
Battery Voltage Display  
**NAME**

## SYSTEM SPECIFICATIONS

### Transmitter

**Model:** MX-V

**FHSS-2/FH2F**

**DSSS-2 Output Power:** 10mW

**Operating Voltage:** 3.6v~8v

**Power Supply:** 4 Cell Alkaline/Ni-Cd/Ni-MH

**Weight:** ? oz ( ? gr) with Alkalines

**Frequency/Modulation Type:** 2.4GHz FHSS-2/FH2F/DSSS-2

### Receiver

**Model:** 92625 3-Channel

**Frequency:** 2.4GHz FHSS-2/FH2F/DSSS-2

**Nominal Input Voltage:** 3.6v~9v

**Weight:** 0.33oz (9.5gr)

**Dimensions:** 1.03 x 1.18 x 0.62in (26.1 x 29.9 x 15.7mm)

**Fail Safe:** Yes (Throttle)

## FEATURES DESCRIPTIONS

**Receiver Antenna Wire:** The antenna wire receives the transmitter signal. The antenna wire should be installed through a nylon tube (antenna tube) in the vertical position for the best reception.

**Auxiliary Channel 3 Switch:** Controls Auxiliary Channel 3 High and Low servo travel.

**Battery Compartment:** Houses the 4 'AA' Alkaline batteries that power the transmitter.

**Bind Button:** Used in the process of Binding the transmitter and receiver.

**Bind LED:** Displays the current status of the transmitter and receiver pair.

**Steering Dual Rate :** The Dual Rate Keys are used to adjust the Steering Dual Rate quickly and easily during use.

**Grip:** The Grip is molded in an ergonomic shape for increased comfort, control and feel.

**Increase/Decrease Keys:** Used to Increase and Decrease Programming Values.

**Menu Select Key:** Used to select Menu Programming Options.

**Multi-Function LCD:** The heart of the programming and display features of the transmitter. All programming and transmitter display functions are shown on the LCD.

**Power Indicator:** Indicates that there is Power to the transmitter.

**Power Switch:** Turns the transmitter ON and OFF.

**Steering Trim Switch:** Used to adjust the center Trim of the Steering servo.

**Steering Wheel:** Proportionally operates the model's right and left steering control. The Steering Wheel features a molded grip for increased comfort, control and feel.

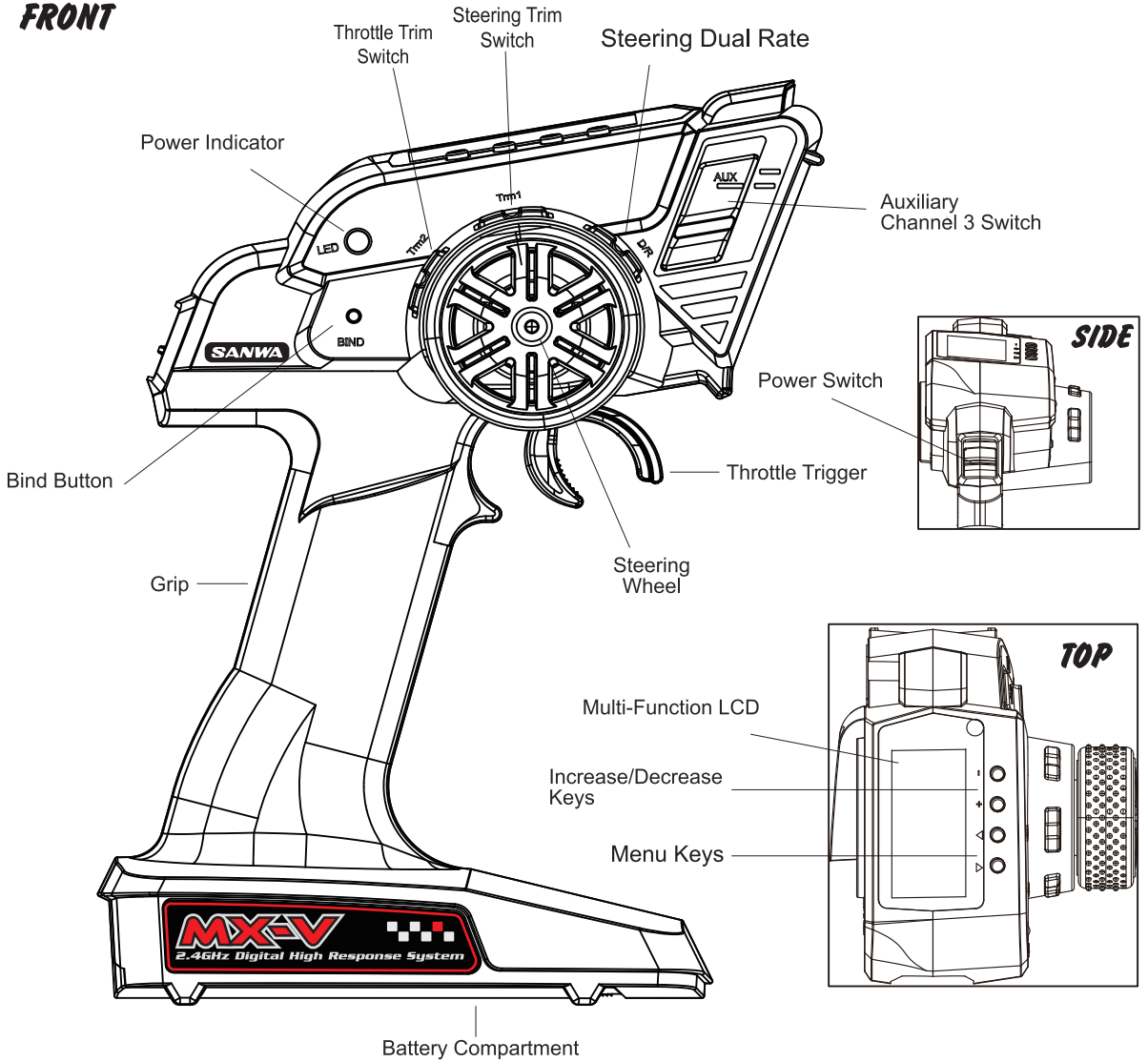
**Throttle Trigger:** Controls the speed of the model, both forward and backward, or the model's brake.

**Throttle Trim Switch:** Used to adjust the center Trim of the Throttle servo.

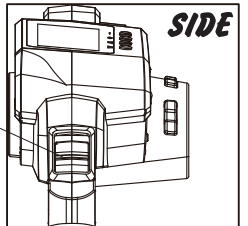
# TRANSMITTER AND RECEIVER FEATURES DIAGRAMS

Use the diagram below to familiarize yourself with the different features of your MX-V transmitter. Descriptions of these features can be found on the previous page.

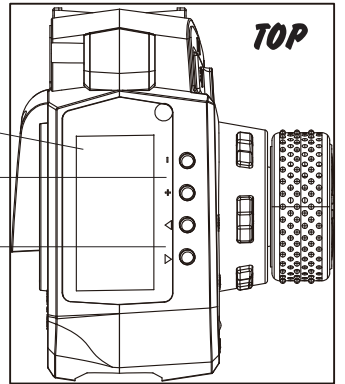
## FRONT



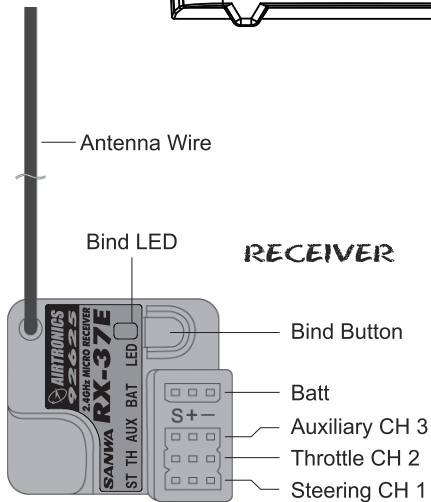
## SIDE



## TOP



## RECEIVER



**!** During use, the antenna should be pivoted into the vertical position. In addition, the transmitter should be held so that the antenna is in the vertical position at all times. This provides the best signal between the transmitter and the receiver.

You should never point the antenna directly at your model, as this results in a weakened signal.