

### Trim Operation and Maximum Travel.

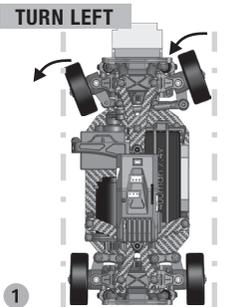
Changing the trim can effect the overall settings, when adjustments are made with the trims, please recheck your installation for maximum servo travel.

#### When Trim movement goes to extremes

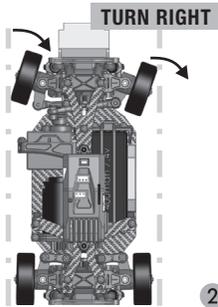
That means if you make a lot of trim movement to get a servo to the neutral position, please reposition the servo horn or servo saver on the servo and inspect your linkage installation.



**Caution:**  
When find the direction is wrong, change to relevant REV button.



1. When adjusting the TRIM button, the "ST.DR" LED flashes in GREEN.
2. When in the neutral position, the LED appears in RED.
3. When steering hits maximum angle, LED flashes in RED momentarily then return to its normal state.



### Throttle Trim

Throttle neutral adjustments can be made by moving the throttle trim to the left or the right.

#### Racer Tip

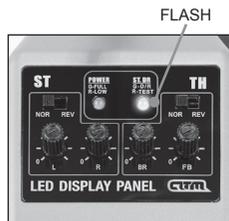
When using a electronic speed control, please set the throttle trim to neutral and make adjustments to the speed control. On a gas powered model, set the trim to neutral and adjust the linkage to the point where carburetor is fully closed in accordance with the engine instruction manual.

#### Trim Operation and Travel

Trim adjustments will effect the overall servo travel, so please check the (backward) movement after the adjustment.

#### When trim movement goes to extremes

That means if you make a lot of the trim movement to get the servo to the neutral position, please recenter the servo horn closer to the neutral position and inspect your throttle linkage.



### LOCK



#### Battery Replacement

- 1) Slice the battery cover out of the transmitter in the direction of the arrow.
- 2) Remove drained batteries.
- 3) Load the new AA size batteries. Pay very close attention to the polarity marking and reinsert accordingly.
- 4) Slide the battery cover back into the case.

#### Caution

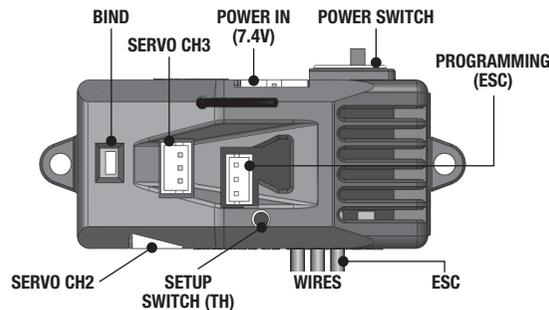
Always ensure reinserted batteries are in the correct polarity order. If batteries loaded incorrectly may cause damage to the transmitter. When the transmitter is not in use, always remember to remove the batteries. If the batteries do happen to leak, clean the batteries case and contacts thoroughly. Make sure the contacts are free of corrosion.

#### Battery Disposal

Some countries require special handling of used batteries, please contact the agencies responsible for recycling hazardous wastes in your local area.

#### Battery low voltage alarm indicator.

### RECEIVER CONNECTION DIAGRAM



### TECHNOLOGY DATA

TRANSMITTER	RECEIVER
Channel: 3	Channel: 3
Resolution: 4096	Frequency: 2.4G ISM Frequency
Frequency: 2.4GHz ISM Frequency Range	Spread Spectrum Mode: FHSS
Modulation: GFSK	Power: 4.5-7.4V, <30mA
Spread Spectrum Mode: FHSS	
Number of Frequency Channel: 20	
Hopping Rate: 240 Jump/s	
Output Power: <=20dbm	
Working Current: <=150mA	
Working Voltage: 1.2V*4NiCad / NiMH	

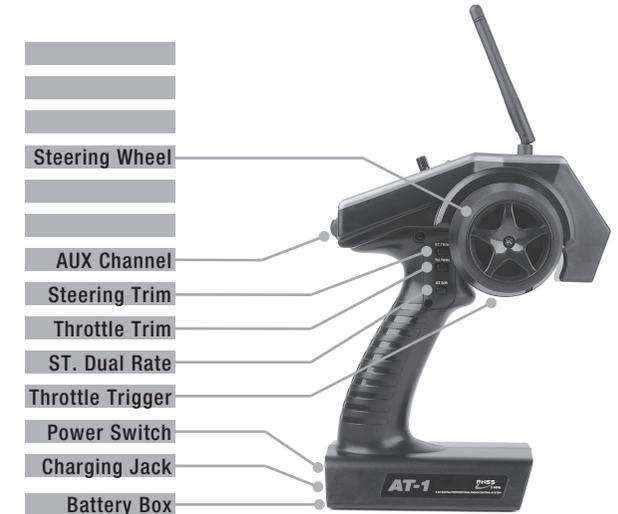
### 2.4G FHSS Technology

## ATOMIC AT-1 3CH Transmitter

3-Channel 2.4G Radio Control System

# INSTRUCTION MANUAL

- Thank you for purchasing our R/C system.
- Before using, read this manual carefully.



### CAUTION

- To use your R/C with your models correctly and safely, read this manual carefully and keep it in a safe place for future reference.

#### Warning:

1. This product is only equipped for radio controlled models;
2. The usage of this product should be approved by local relevant law or regulations;
3. We will not be responsible for any damages caused by unauthorized modification, adjustment or replacement of parts of this product;
4. The manual may be altered without prior notice. Please contact us if you have any corrections or clarifications that should be made in the manual.

- Before using the transmitter, make sure the transmitter batteries are well loaded. The voltage of transmitter batteries is never lower than 8.6V. And please check and confirm that the servos are all well and properly connected.
- Keep the radio system away from moist, high temperature and strong vibration. Do not clean the product with solvent.
- Avoid the antenna come in contact with anything else when power switch is turned on. Do not leave this product and its accessories within the reach of small children.
- Please use this product according to your local relevant law or regulation, we are not responsible for any accident or damages to your product.

## 2.4G BINGING AND REDUCING POWER

- 1 Power switch (Turn On)



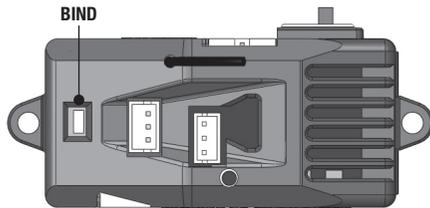
### 1. Reducing output power setting

1. Hold the RF-TEST button until the "ST.DR" light turns to RED. Meanwhile the output power of transmitter reduce to lower mode 18dbm, which then reduces power consumption.
2. When pressing the RF-TEST button again, the "ST.DR" light deactivate, and output power becomes normal 20dbm which subsequently can control more range.

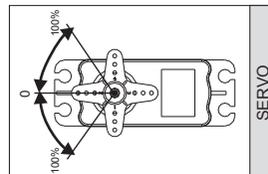
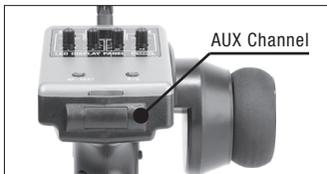
### 2. The Binding processing

Turn on the transmitter, then connect the power of receiver, keep the receiver "BIND" button on hold until the light switch to GREEN which means the binding is successful. After that, it's unnecessary to bind again.

**Caution:** Ensure the Receiver and Transmitter is one meter away, approximately 10 meters with no similar devices within range. If the light keep flashing, this indicate binding failure, please go back and try again from the beginning.



## AUX CHANNEL FUNCTION (CH3)



When pressing the "AUX" channel, the servo move clockwise, pressing again will change to anti-clockwise.

## STEERING DUAL RATES CHOICE



### Function

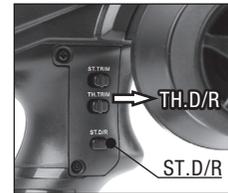
Using this function to adjust servo travel. The default is 100%. When pressing D/R, the front light flashes, and the value quickly switch to 70%.

## RESET

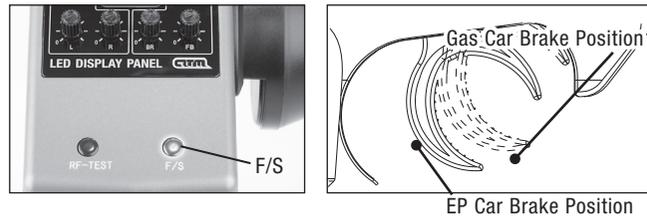
### Function

All the setting in the system will be reset to the default values with this reset function.

1. Press the ST.D/R and push the TH.TRIM button forward together, then turn on the Transmitter at the same time, the POWER and ST.DR lights will blink, mean it's resetting.
2. To ensure this function work properly, Transmitter has to be switch off and then back on again.



## FAIL SAFE SETUP



### Function

This F/S Function is to protect your RC car/boat, when the signal become weak or lost.

### Setup procedure:

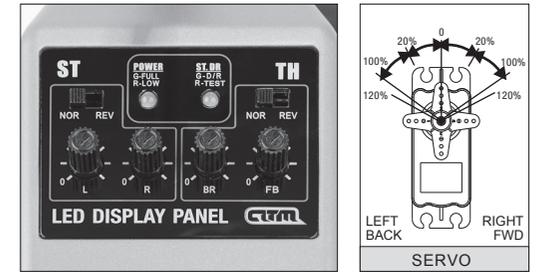
1. Make sure the Receiver power is enough for this operation.
2. Put trigger in brake position (above show). Press and hold the F/S button until "ST.DR" become red.
3. Then release F/S button, the setup now finished.

## LOCK

### Lock Function

When pressing "RF-TEST" and "F/S" button simultaneously, the front light become red, mean it's locked. There should be no reaction from pressing ST.TRIM, TH.TRIM or D/R buttons now, mean it's working correctly. Press both "RF-TEST" and "F/S" button again to unlocked.

## EPA ADJUSTMENT



### Function

Use this when performing left and right steering angle adjustments, throttle high/ brake operation amount adjustment during linkage. End point adjustment (EPA) adjusting value range: 0-100%

### Setting

1. Steering (left side) adjustment  
Adjusting the potentiometer "L", in "0" position shown the min. value 0%
2. Steering (Right side) adjustment  
Adjusting the potentiometer "R", in "0" position shown the min. value 0%
3. Throttle (forward) adjustment  
Adjusting the potentiometer "MAX", in "0" position shown the min. value 0%
4. Throttle (brake) adjustment  
Adjusting the potentiometer "BR", in "0" position shown the min. value 0%

### Caution:

When adjusting this function, make sure the direction is in agreement with the RC car or boat direction, you can adjust by the REV button.

## TRIM ADJUSTMENT

Please start the motor or the engine while making the adjustment of these settings.

1. Connect the receiver, servos, and other components and then turn on the power switches of the transmitter and receiver.
2. Be sure the Steering trim and Throttle trim on the transmitter are at their neutral position.
3. Before turning on the transmitter, please make sure the transmitter antenna is completely extended. Turn on the transmitter before turning on the receiver, while turn off the receiver before turning off the transmitter.

### Steering Trim

Steering neutral adjustments can be made by moving the steering trim knob to the left or the right.

### Racers Tip

Always check and be sure the servo is at its neutral position before installing a servo. Adjust the servo horn hole position and linkage so that both are parallel. When a servo saver is used, place it as closer to center position as possible. Be sure the steering trim on the transmitter is at its neutral position.