

# AMP30

2.4GHZ FHSS DIGITAL SYSTEM



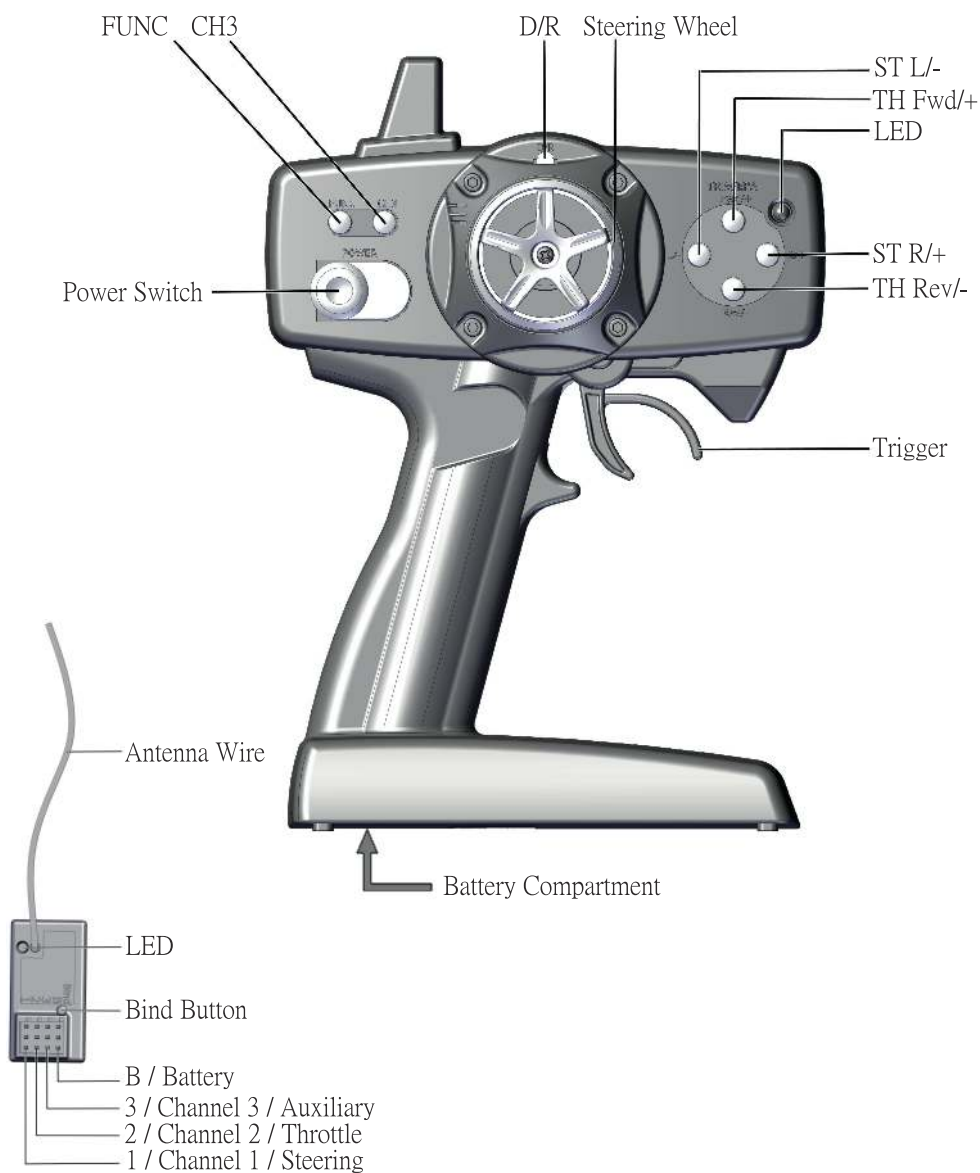
***Instruction Manual***

**CEN**  
RACING

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## 1. Transmitter Feature Diagram



## **2. Install Batteries**

1. Remove the battery cover from the transmitter
2. Install 4 AA alkaline dry cell batteries
3. Insert the 4 AA batteries according to the polarity
4. Replace the battery cover



## **3. Basic Operation**



## 4. Transmitter Binding

1. Each transmitter is assigned with a random unique ID number. In order to begin using the transmitter system you will have to bind the receiver to the transmitter. Follow the receiver binding instruction on page 10.

## 5. Lock/Unlock key button

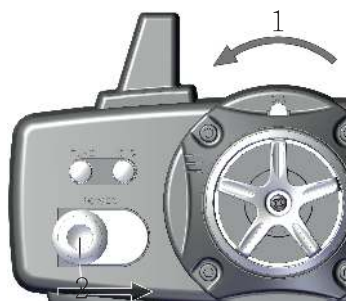
Lock key button

1. Push the "D/R" switch key toward to right
2. While holding the D/R switch to right, turn the transmitter power switch to On
3. Two short "beep" sound indicate conformation
4. The LED light flashes
5. Now all key button function Locked.



Unlock Key button

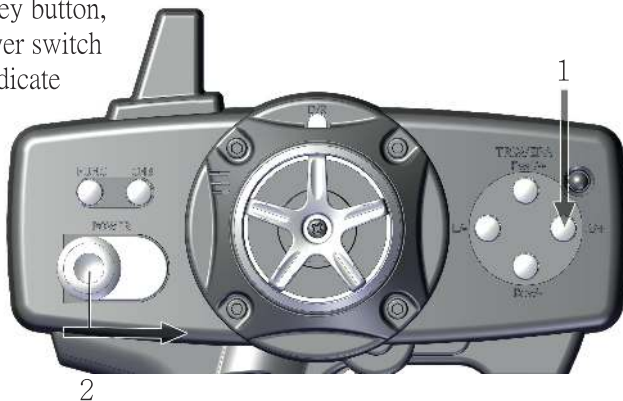
1. Push the "D/R" switch key toward to left
2. While holding the D/R to left, turn the transmitter power switch On
3. Two short "beep" sound indicate conformation
4. Now all key button function unlocked.



## 6. Steering Adjustment

### ■ Servo Reverse

1. Press and hold "ST R/+" key button
2. While pressing "ST R/+" key button, turn on the transmitter power switch
3. Two short "beep" sound indicate conformation
4. Now the steering has reversed.



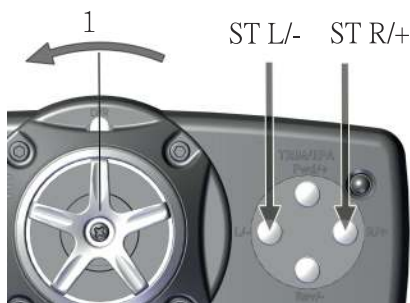
## ■ Steering End Point Adjustment

### Left Steering End Point Adjustment

1. Turn the steering wheel fully to left
2. Once the value reaches the limit, a long steady "beep" will sound

Decrease value: Turn the steering wheel fully to left and press "ST/L-" key button

Increase value: Turn the steering wheel fully to left and press "ST/L+" key button



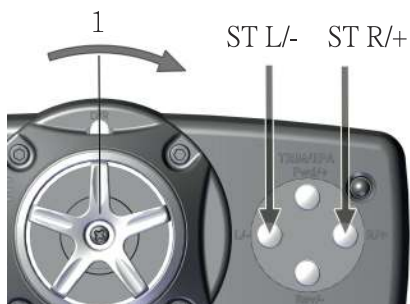
3. Use this to performing steering angle adjustment / decrease or increase

### Right Steering End Point Adjustment

1. Turn the steering wheel fully to right
2. Once the value reaches the limit, a long steady "beep" will sound

Decrease value: Turn the steering wheel fully to right then press "ST/L-" key button

Increase value: Turn the steering wheel fully to right then press "ST/L+" key button



3. Use this to performing steering angle adjustment / decrease or increase.

## ■ Steering Digital Trimming

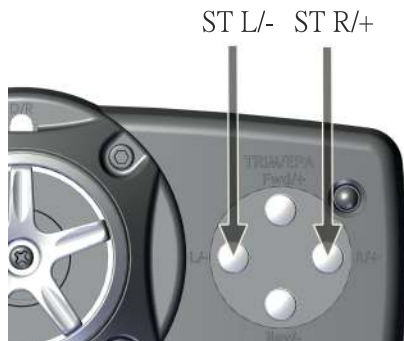
1. Once the value reaches the limit, a long steady "beep" will sound

2. Two short "beep" sound indicate the steering is at the neutral position

Decrease: Press "ST L/-" key button

Increase: Press "ST R/+ key button

3. When the vehicle is not moving, This function allows to adjust the steering to neutral position.





## ■ Dual Rate Steering Adjustment

Decrease: Push the "D/R" button key to left

Increase: Push the "D/R" button key to right

1. Once the value reaches the limit, a long steady "beep" will sound
2. Steering dual-rate allows on-the fly travel adjustment to both sides (left and right) of the steering servo.



## 7. Throttle Adjustment

### ■ Throttle Reverse

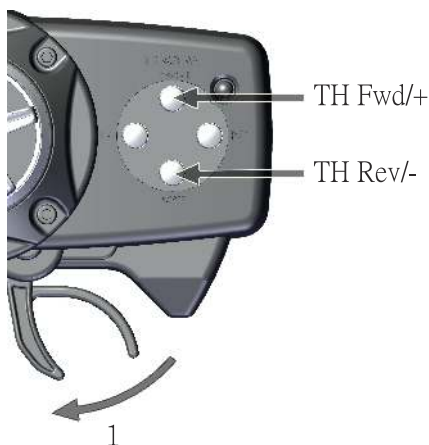
1. Press and hold ST L/- key button.
2. While holding ST L/- button key turn the transmitter power switch to On
3. Two short "beep" sound indicate conformation
4. Now the throttle trigger has reversed.



## ■ Throttle End Point Adjustment

### Throttle (Accelerate)

1. Pull and hold the throttle trigger fully to the high-side
2. Once the value reaches the limit, a long steady "beep" will sound  
Decrease: While holding the throttle trigger, press TH Rev/- key button  
Increase: While holding the throttle trigger, press TH Fwd/+ key button
3. Use the TH Rev/- or TH Fwd/+ key buttons to adjust the throttle to desired throw
4. This can also be performing when the receiver power is off.



### Brake (Deaccelerate)

1. Push the throttle trigger fully to the brake-side
2. Once the value reaches the limit, a long steady "beep" will sound  
Decrease: While holding the brake trigger, press TH Rev/- key button  
Increase: While holding the brake trigger, press TH Fwd/+ key button
3. Use the TH Rev/- or TH Fwd/+ key buttons to adjust the brake to desired throw
4. This can also be performing when the receiver power is off.





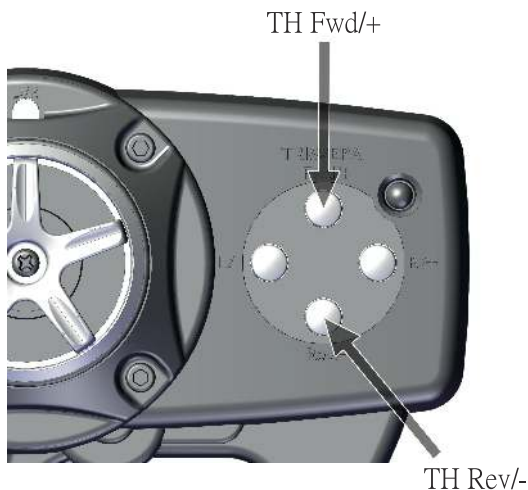
## ■ Throttle Digital Trimming

1. Once the value reaches the limit, a long steady "beep" will sound
2. Two short "beep" sound indicate conformation

Decrease: Press TH Rev/- key button

Increase: Press TH Fwd/+ key button

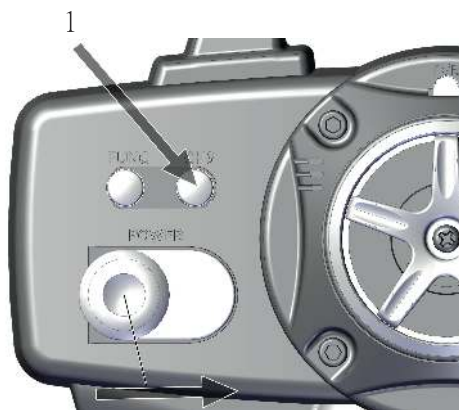
3. When the vehicle is not moving, This function allows to adjust the throttle to neutral position.



## 8. Auxiliary Channel 3 Adjustment

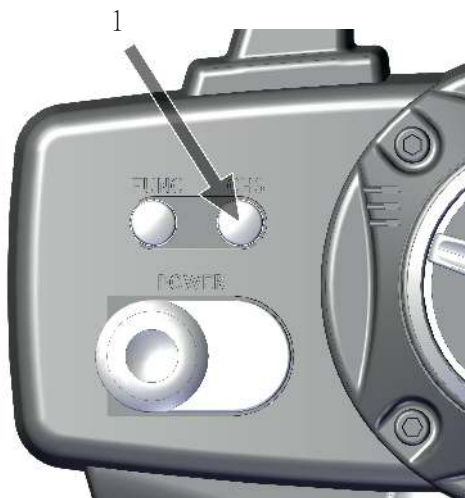
### ■ Reverse

1. Press and hold the "CH3" key button
2. While turn on the power switch
3. Two short "beep" sound for conformation
4. Now the Channel 3 has reversed.



■ Turn On or Off CH3 Switch

1. With two quick press the CH3 key button  
Turn-On: Two short beep sound  
Turn-Off: One short beep sound
2. This function allow to turn On/Off the CH3 key-button.



## 9.Factory Reset

■ Factory Default Setting

1. Press and hold the "TH Rev/-" key button
2. While holding the "TH Rev/-" key button turn the transmitter power switch to On
3. Two short beep for conformation
4. Now your transmitter has reset to the factory setting.

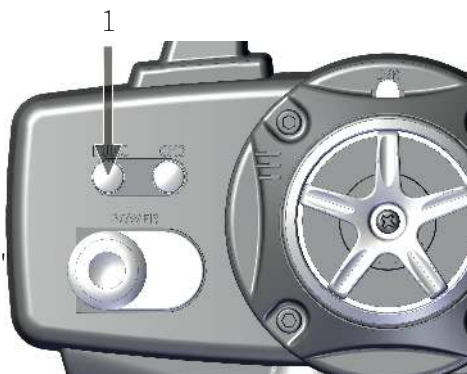


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## 10. FUNC

### ■ FUNC Mode

1. Enter the FUNC mode, Turn the transmitter power switch to On, press and hold the FUNC key button, two short "beep" sound for conformation
2. To Leave the FUNC mode, press the FUNC key button once, two short "beep" sound for conformation
3. To FUNC mode locks all the key button and throttle except the steering wheel.



## 11. Receiver

### ■ Receiver Binding

1. Turn the transmitter power switch to On
2. Press and hold the "binding button" on the receiver
3. While holding the binding button, turn the vehicle power switch to On
4. The LED of the receiver will blink indicating that it is searching for a transmitter to bind with
5. Once the transmitter and the receiver are bound together, the receiver's LED light will turn solid
6. This may take up to 30 seconds, otherwise, repeat step 1 to 5.



### ■ Fail-safe Adjustment

1. Press and hold the receiver binding button until the LED light flashes
2. Adjust the throttle trigger and steering wheel to adjust the position
3. Press the binding button to program. Once the position are programmed, the LED light will flashes and stay solid
4. The failsafe function is to drive the servos (or ESC) to a pre-programmed position once the receiver cannot receiver the signals from the transmitter. This can be due to low voltage from the battery or radio interference.



## 12. Power Alarm

- No Activity Alarm: When the steering wheel (ST), throttle trigger (TH) or any button is not operated for 15 minutes, a slow beeping alarm will sounds to indicate that there has no action and the power should be turned off.
- Low Battery Voltage Alarm: A quick beeping alarm sounds and the power LED light will blink.

## 13. Certification

### 1.Doc Declaration

Hereby, [GTI Modelsport Co.Ltd.] declares that the radio equipment type [AMP30] is in compliance with Directive 2014/53/EU.

The full text of the EU declaration of conformity is available at the following internet address:[www.cenracingusa.com](http://www.cenracingusa.com)

### 2.FCC Statement

This device complies with Part 15 of the FCC Rules. 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.

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

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 of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and 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 radio/TV technician for help.

**FCC Caution:** Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

Old electric appliances must not be disposed of together with the residual waste, but have to be disposed of separately. The disposal at the communal collecting point via private persons is for free. The owner of old appliances is responsible to bring the appliances to these collecting points or to similar collection points. With this little personal effort, you contribute to recycle valuable raw materials and the treatment of toxic substances.

## 14. Specification

SPECIFICATION	
<b>Tx(Transmitter)</b> Channels : 3 RF : ISM Band (2.4GHz) Power : DC6V Distance : Open Space 100m Battery : Alkaline "AA" ( Do not charge Alkaline batteries) Blue LED : indicators Color : Black	<b>Rx(Receiver)</b> Antenna : Do not roll Antenna up CH1 : for steering servo. CH2 : for ESC CH3 : AUX Power : DC 4V ~ DC9V Button : Binding / Fail-Safe Blue LED : indicators Color : Black

**Memo**

**Memo**



The logo features a large, stylized, metallic 'A' with a 3D effect. Below it, the text 'AMP 30' is written in a bold, metallic, sans-serif font. Underneath 'AMP 30', the text '2.4GHZ FHSS DIGITAL SYSTEM' is written in a smaller, white, sans-serif font. The background of the top half of the image is dark with concentric circular lines emanating from behind the 'A' logo.

# AMP 30

2.4GHZ FHSS DIGITAL SYSTEM

The logo consists of the letters 'CEN' in a large, bold, italicized, sans-serif font, with 'RACING' in a smaller, bold, sans-serif font below it. The text is white with a black outline.

**CEN**  
RACING

Manufactured by  
CEN Racing Co.  
10F, No.11, Ln 122, Sec.2 Ganyuan St.  
Shulin Dist, New Taipei City 23853, Taiwan

[CENRACINGUSA.COM](http://CENRACINGUSA.COM)

The logo features the letters 'mit' in a stylized, italicized, sans-serif font. Below it, the text 'MADE IN TAIWAN' is written in a smaller, sans-serif font.

**mit**  
MADE IN TAIWAN

