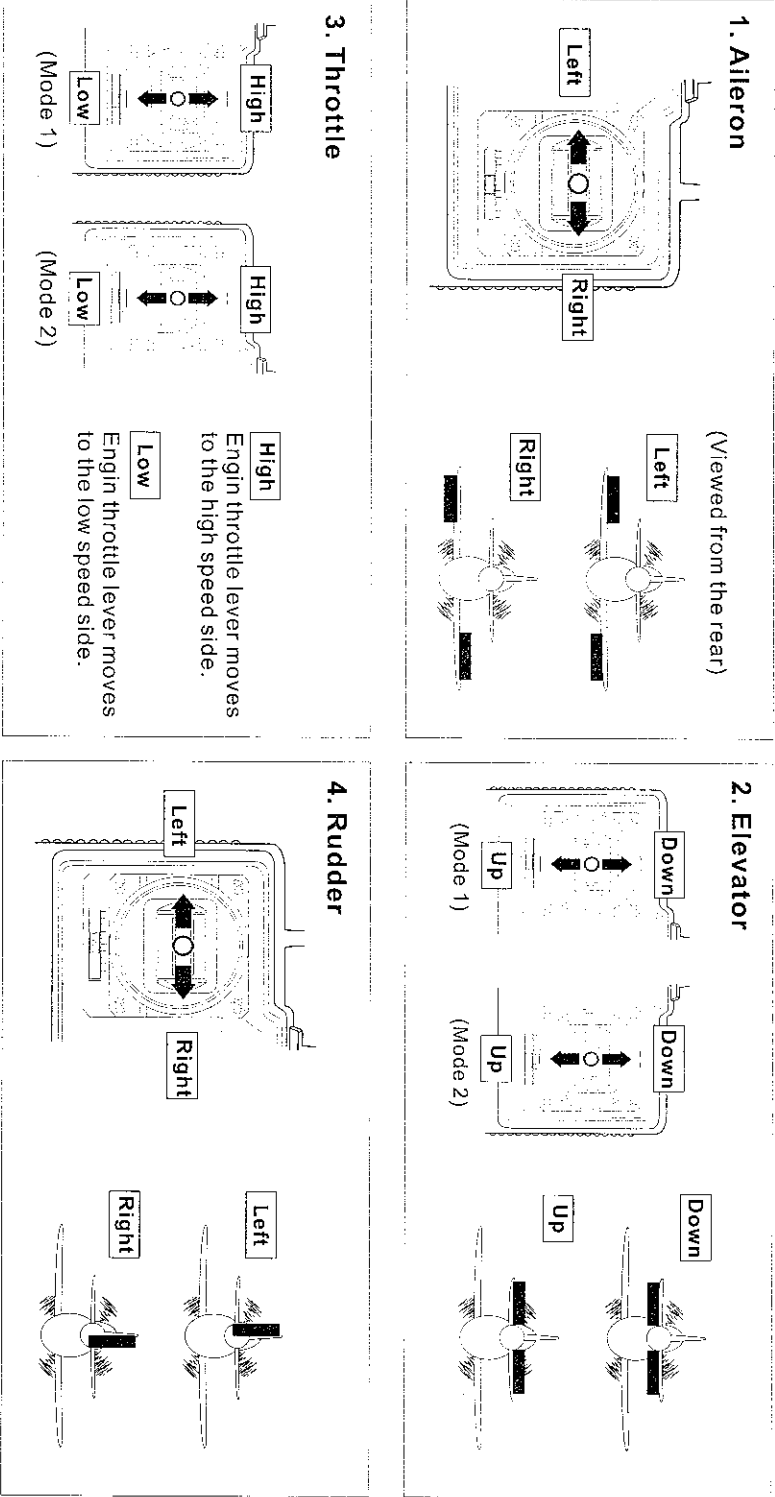


6. TRANSMITTER OPERATION AND MOVEMENT OF EACH SERVO



7. PRECAUTIONS

- Do not fly simultaneously on the same frequency.
  - Extend the antenna to its full length, Always carry out a range check prior to flight.
  - Always turn the transmitter on first, then the receiver. When you turn the system off, always turn the receiver off first then transmitter.
- This step is very important always follow this procedure. If this procedure is not followed, injury to yourself and others as well as loss of control could occur.

1. INTRODUCTION

Thank you for purchasing the GWS 4-Channel Radio System. This unit has been designed and developed using the latest manufacturing technologies and incorporate the finest modern precision electronic components.. GWS System are compatible with PPM (FM) System from FUTABA, JR, Sanwa/Airtronics and Hi-tec. (72 Mhz only for JR)

Please read these instructions carefully in order to obtain safe operation and maximum performance from your GWS system.

2. TRANSMITTER SPECIFICATIONS

Model Number : GWT-4A

Encoder : 4-Channel

Frequency : 35, 36, 40, 41, 72 MHz

Modulation : PPM (FM)

Low Battery Indicator : Below 9.1V (LED turn to Red)

RF Power : Approximately 350mw

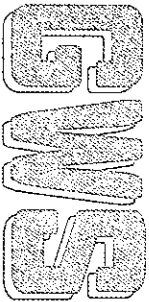
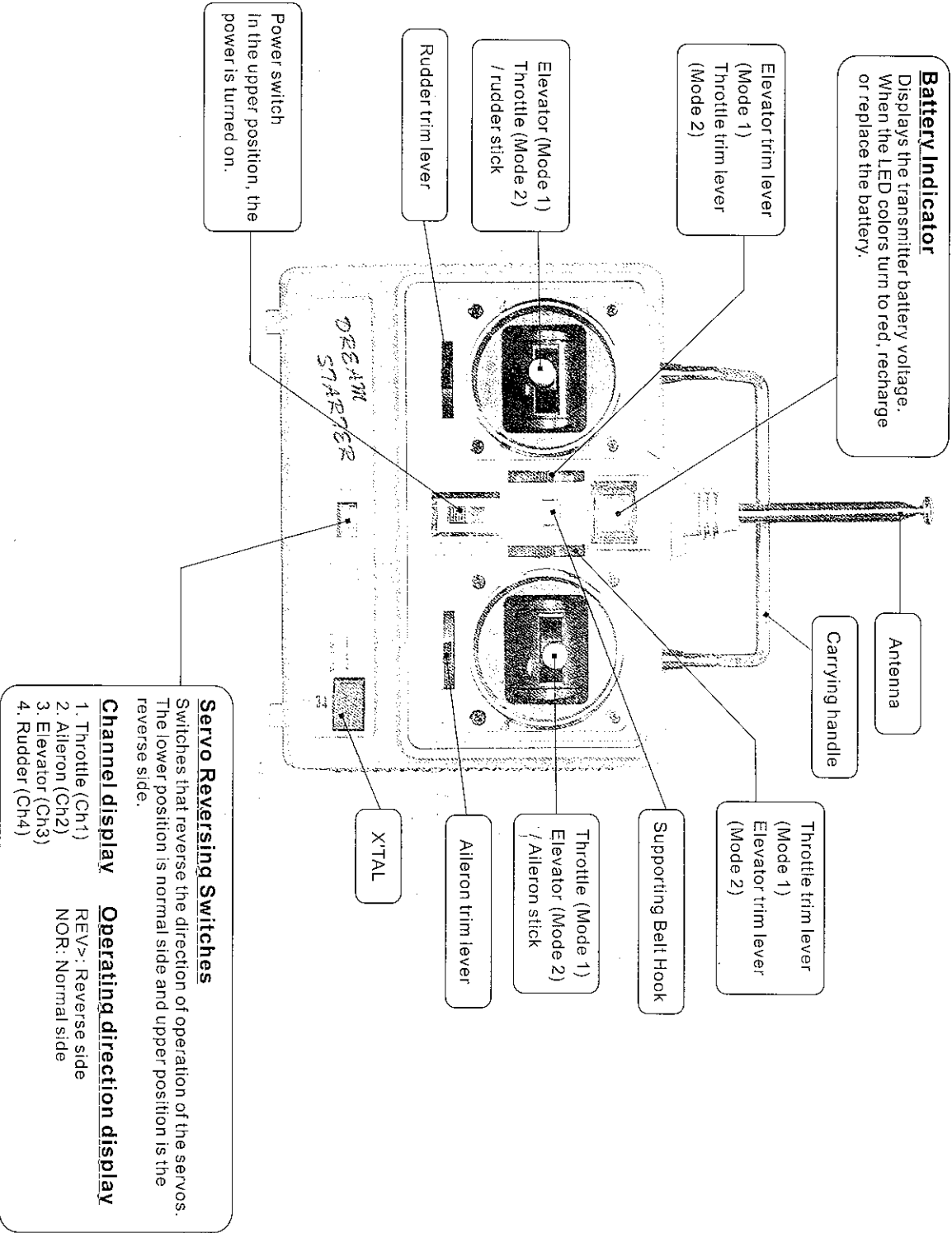
Current Drain : 100mA

Power Source : 1.2V x 8 Ni-Cd  
or 1.5V x 8 Dry Cell (AA SIZE)

Control range : 1.5ms ± 0.5ms

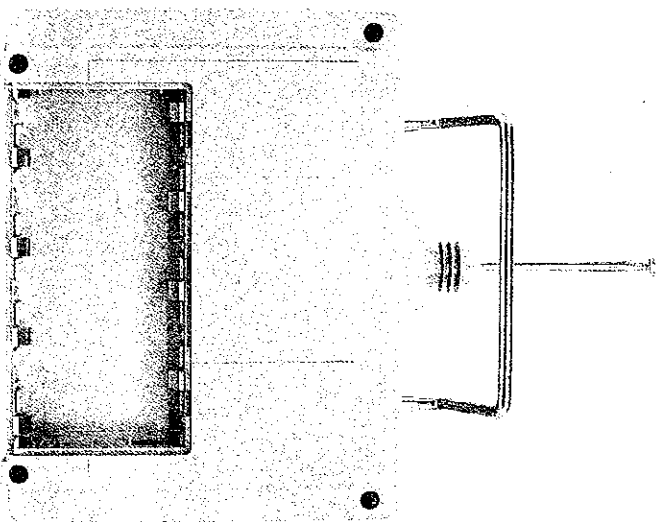
3. TRANSMITTER LAYOUT

TRANSMITTER T-4A (FRONT PANEL)



Grand Wing Servo-tech Co., Ltd.

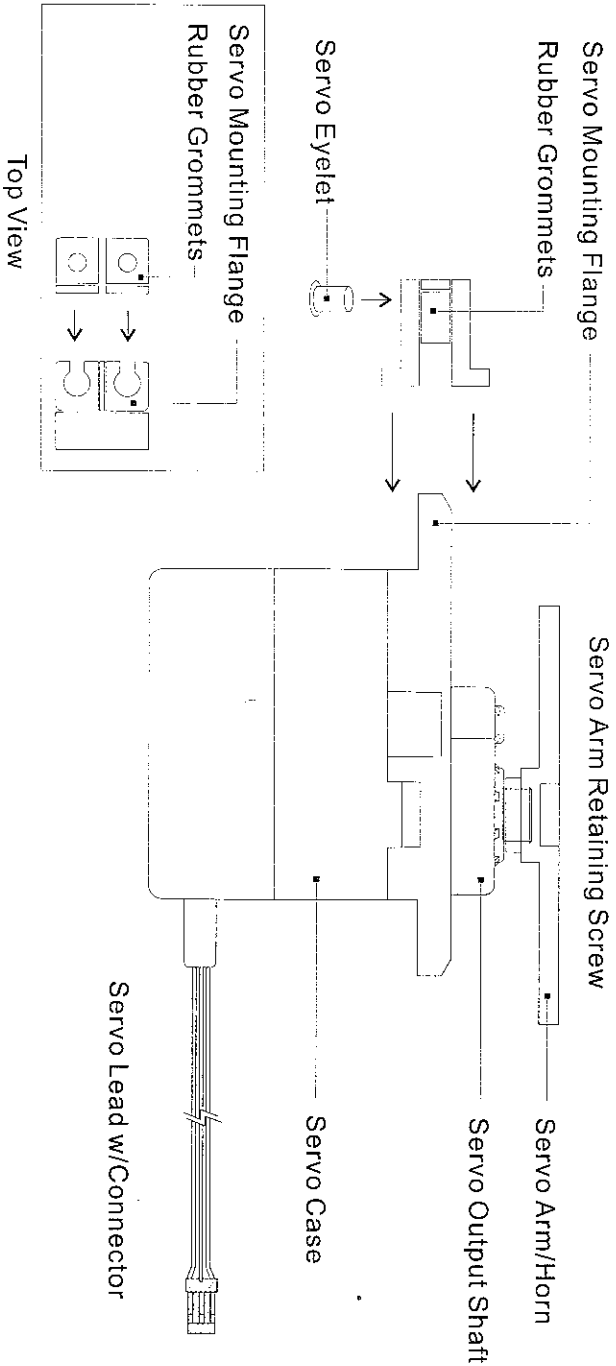
4F., 183, SEC. 1, TA-TUNG RD., SHI-JR CITY, TAIPEI HSIEN 221, TAIWAN  
TEL: 886-2-2647-0057~9/2643-3655~6 FAX: +886-2-2643-0292  
http://www.grandwing.com.tw E-mail: gws.tw@msa.hinet.net  
http://www.gws.com.tw



**Battery Cover**

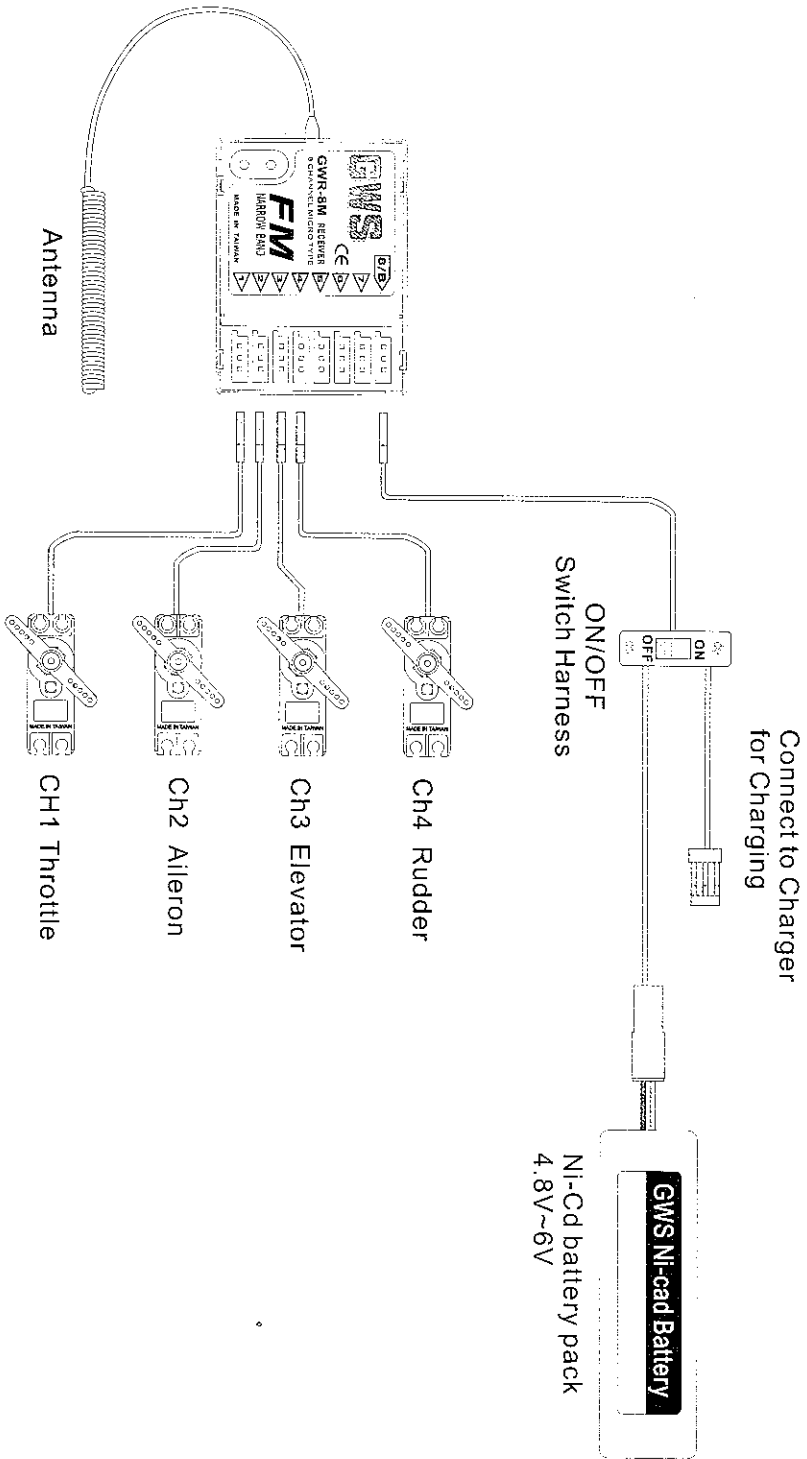
Use when replacing the battery. Slide the cover downward while pressing the part marked "PUSH".

**4. SERVO LAYOUT**

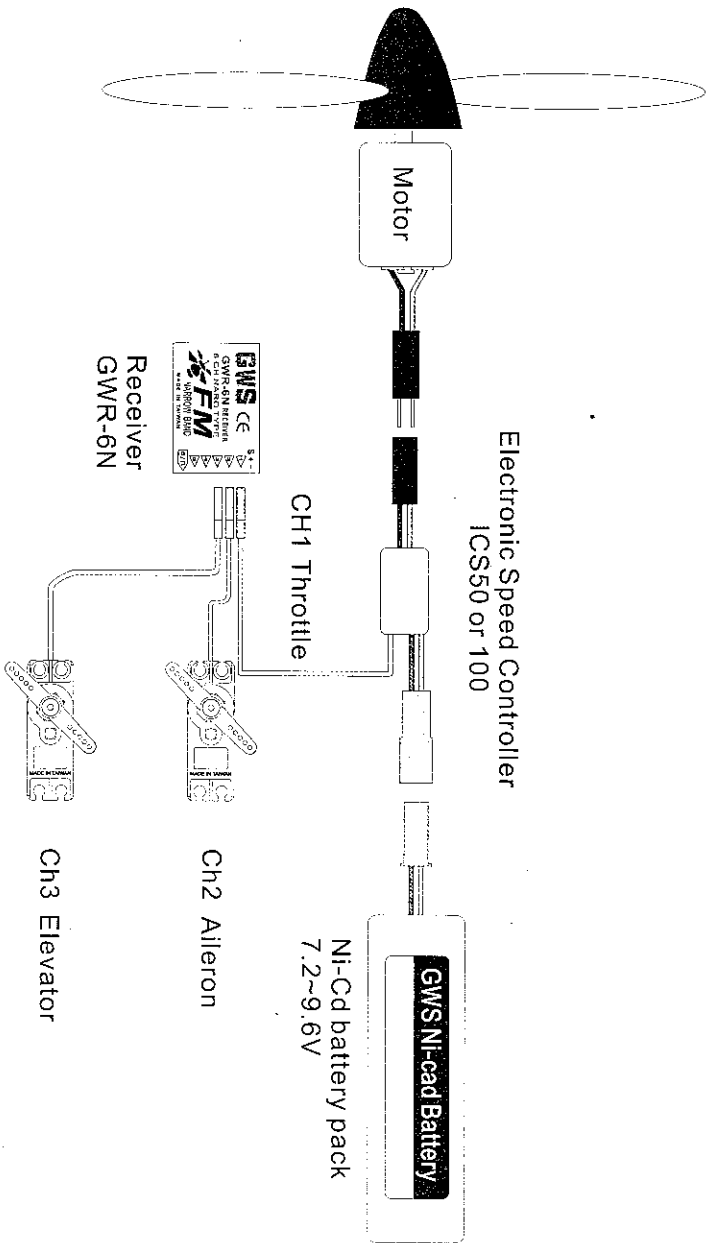


**5. CONNECTIONS**

**FOR ENGINE POWER**



**FOR ELECTRIC POWER**



## **Federal Communication Commission Interference 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 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.

### **WARNING**

To assure continued compliance, (example – use only shielded interface cables when connecting to computer or peripheral devices) any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

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.



**GRAND WING SERVO-TECH CO., LTD.**

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