**Method of use and installation of receiver**

- **Remote receivers**
  - Telemetry signals are only sent through one receiver port (the center port of the 3). Be sure to connect the RA-01TL remote receiver to this port.

- **Antenna installation and handling**
  - The RG1131BPU main unit does not include an internal receiver.
  - Therefore all 3 remote receivers must be connected for correct functionality.

- **USB port**
  - In future we may provide software updates for the receiver.
  - This information will become available on our web site or Facebook page.

- **Battery installation**
  - It is possible to connect either single or dual batteries to this receiver. When using dual batteries, the receiver will automatically select the battery which has the higher voltage. It is advisable that you use appropriate 2 cell LiPo batteries with the same capacity on each port. Note that this receiver does not contain an internal voltage regulator so only high voltage or voltage-sensing cells can be connected directly to the receiver. When using conventional voltage sources, please use a voltage regulator between the receiver and sources.

  **CAUTION**
  - Do not connect any battery with a voltage exceeding 9.0V as this will damage the receiver and servos.
  - Be certain to switch off after use.

- **Electronic switch (soft switch)**
  - This receiver utilizes an electrical control switch, which turns on the receiver when the switch plug is removed. It is possible to extend the length of this switch from the receiver by using a servo extension harness. The switch can be placed in any desired position. Due to the characteristics of the electrical control switch, it consumes a very small amount of current, even when the receiver is turned off. To avoid discharging the battery it is recommended you disconnect the battery between flying sessions.

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**Operation Manual**

Thank you for purchasing this JR product. To allow correct and safe use of this product, please read this operation manual carefully.

- **Features**
  - Dual power supply assures constant voltage to high current servos.
  - Deans Ultra plugs to connect high capacity batteries.
  - High sensitivity receiver is not easily affected by inter-modulation interference.
  - The DMSS telemetry system is capable of feeding back important information such as aircraft remaining battery power.
  - Receiver operation can be confirmed by status LEDs.

- **Configuration**
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  - **RG1131BPU Receiver Main Unit**
  - **RA01TL1, RA01L2 Remote Antenna**
  - **RG Cable 300mm(2) 450mm(1)**
  - **Switch plug**
  - **Switch plug**
  - **Deans Ultra connector(2)**
  - **Operation Manual (this document)**

To allow safe use, be certain to observe the following points.

- **Please read before use**
  - **Basic precautions for safe use of the 2.4GHz System**
    - (1) The 2.4GHz band is not a frequency exclusively for use with RC airplanes. This frequency band is in common use with the ISM (industry, science, and medical care) band which is widely used for short-distance transmissions such as microwave ovens, wireless LAN, digital cordless phones, audio, gaming devices, cell phone Bluetooth. Therefore, the response of the 2.4GHz system may be reduced in urban areas. Further, it is also used for ham and local area radio communication for mobile identification so be very attentive to the possible influences from these. In the event of any adverse radio wave interference on an existing wireless station, immediately stop emitting radio waves and take interference avoidance measures.

- **At race tracks and airfields, make sure the use of devices that can affect the transmitter/receiver and be sure to confirm safety beforehand.** Always follow the instructions of the activity staff.

- **If an aircraft is allowed to pass behind a building, polygon, trees, etc. the radio-wave range is blocked, and the response may drop, even resulting in loss of control.** Always let aircraft run or fly within a range that you can visually observe.

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**In order to establish communications with the transmitter, binding (pairing) must be carried out**

1. First confirm all three remote antennas are securely connected to the receiver, the battery is fully charged, and the bind plug is available.

2. The middle remote antenna performs the role of transmitter for the telemetry system. Ensure that the RA01TL is connected to the middle remote antenna port on the receiver.

3. Insert the bind plug into the receiver’s “bind port”, connect the E-Switch, and connect the battery. Turn the receiver power on by removing the switch plug. The three remote receivers shall start flashing their LED’s showing they are ready to bind.

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**About the DMSS Fail Safe**

- The fail safe is set using the Fail Safe function on the transmitter.

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**In the situation where binding is unsuccessful, confirm the following**

- **Is the remaining battery power of the transmitter and receiver adequate?**
- **Are the remote antennas securely connected?**
- **Is the distance between the transmitter and receiver too close?**
- **When the procedure is carried out on the top of a desk or bench that is made from metal, binding may not be successful.**