

User manual FZ600E

Installation Procedure for electric motor powered blimp

1 艇囊充气

1. Filling the helium

用氦气将气囊冲饱，使气囊保持完整的体型，没有褶皱痕迹。将细绳将充气口系紧避免漏气，并用绳索固定气囊两头避免漂浮起来。

Lay a large piece of PVC sheet on the ground, lay the blimp body stretched flat on it. Fill the blimp body with helium until it looks full without any crease or wrinkle. After filling, tie the filling tube tightly using rope. Tie the body down at both ends to ensure the body does not fly away freely.

2 安装尾翼

2. Install the fin system.

注意尾翼的方向需要垂直于艇囊表面，有带有转向马达的尾巴安装在气囊下部。

All fins must be tied down correctly ,the motor fin be installed below the envelope, others be installed above the envelope.

3 检查动力，遥控及转向电机是否工作稳定

3. Check the control and function

按照标签将各控制通道插入遥控器接收盒的对应通道，2 通道控制飞艇的升降，4 通道控制飞艇的方向，3 通道控制飞艇的动力速度。把接收盒天线放置在吊仓外固定，将遥控设备电源打开，将速度调整手柄（速度推杆）放到转速最小位置（既最下方），电动马达接上动力电池，检查动力电机，转向电机以及转函装置是否都工作正常。刚通电的时候可以听到两个主推力电动机可发出音乐同时听到“迪迪”的声音，这样的声音是正常的工作状态，如果没有出现这样的声音请检查电源是否接触正常，千万注意不要把电源的正负极性接错。

Connect the cabling properly as marked to the RC receiver. Channel 2 is for the Up/Down control; Channel 4 is for directional control; Channel 3 is for engine power control.

Note: first to on the Switch of RC unit, Set the speed control to minimum power. Then connect battery to electric motor, be sure of the correct positive and negative connections. When connecting the electric motor power, some music and “beep-beep” tone can be heard, and this is normal, if not, check for proper battery connections. Next, use the Ground RC unit to control the engine speed and turn engine.

4 安装吊仓

4. Attach the gondola to the blimp belly

在气囊中下部有自粘带的位置安装吊仓，并可从气囊身体上引出绳索将吊仓加强固定起到保险作用，如果安装吊仓后飞艇的浮力仍然大于重力，需要在吊仓内放置适当的配重，使整个飞艇重力略大于浮力，在无动力状态下飞艇能够自然下降。注意，由于电动马达的推力比较小，配重切忌不要太重，只需要使飞艇可以缓慢自由降落就可以了。然后将尾翼的信号线插入吊仓后侧插座内，检查尾翼能够通过遥控器的 2，4

通道手柄操作动作，注意尾翼的动作方向是否和遥控方向是一致的。

Mount the gondola handles to the velco taped flaps of the blimp to attach it securely. Tie ropes from the blimp body attach points (for gondola only) to the handles to further hold the gondola to the blimp belly. After attaching the gondola, check for the blimp balance. The net weight of the blimp should be slightly heavier, such that the blimp will sit on the ground with the engines at idle. You should be able to lift the complete blimp with gondola and fins installed almost effortlessly, upon releasing your lifting force, it should settle down gently onto the ground again. Use ballast in the front and at the end of the blimp body to ensure a level position of the blimp. Try to use minimum ballasting so the electric motor can operate more efficiently to maneuver the blimp in the air.

Connect the fin control cable to the gondola receptacle, and operate the Ground RC unit channels 2 (Up/Down control) and 4 (Directional control) to see if the fins respond correctly to the command.

5 起飞准备

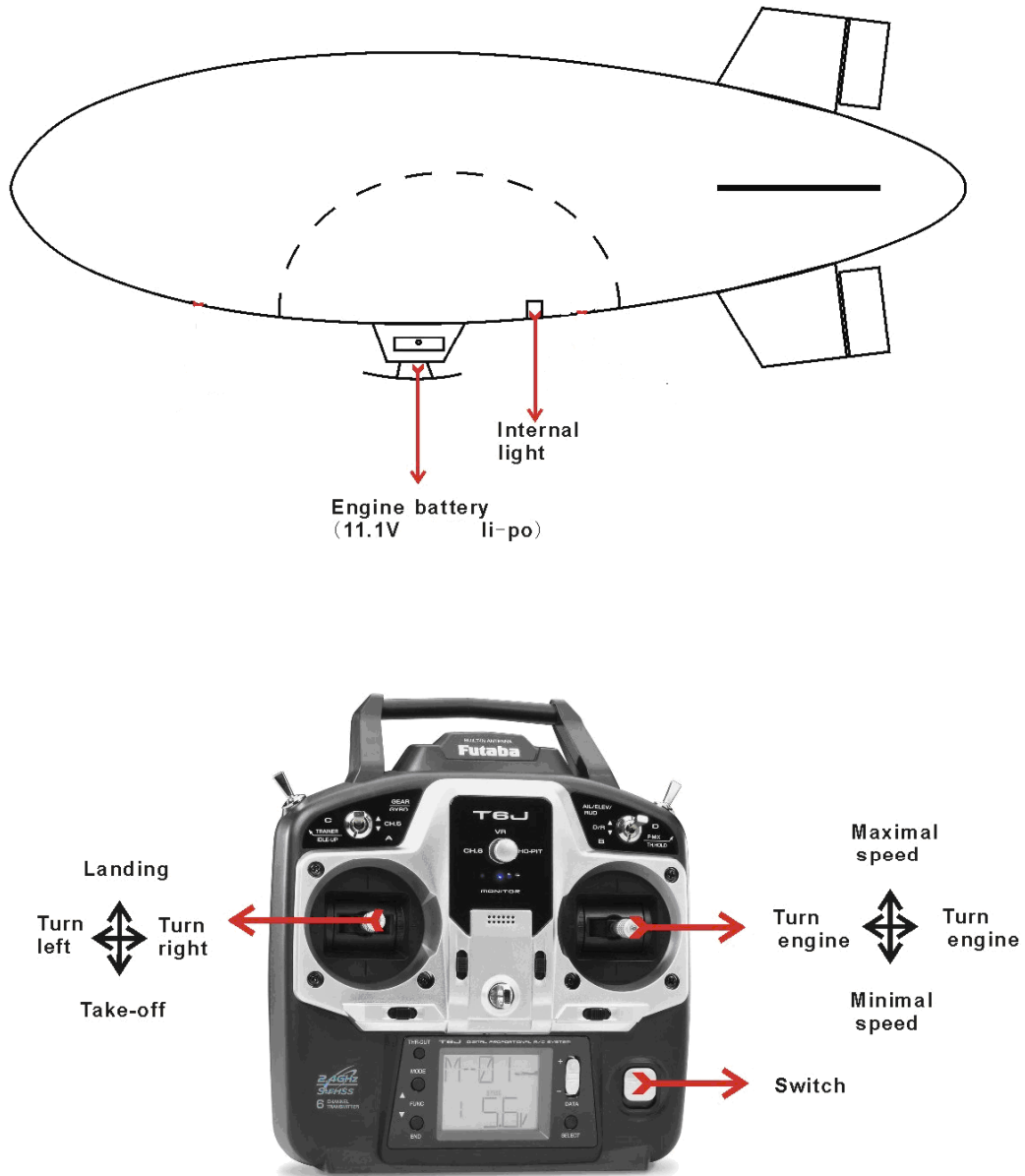
5. Pre-flight Check

放置在较大的空间，启动电动机并通过遥控器 1 通道控制引擎转动机构实现飞艇的垂直的起飞（螺旋桨与地面处于水平位置），起飞到安全高度后，再通过遥控器 1 通道控制引擎处于飞行状态就可以实现自由飞行了（螺旋桨与地面处于垂直位置），在飞行过程中通过控制尾翼来实现飞艇的升降和方向转向，也可以通过转向引擎来辅助升降。

Locate the blimp in an open space, start the electric motor engines. Use The Ground RC unit channel to control the engine tilt to the take-off position to lift the blimp (use the 1 channel). Once the blimp flies up in the air, use the fin control to change the blimp direction and to move it up or down.

遥控器控制手柄设置见图示例。

The Ground RC unit control is shown in the diagram below.



Note: the internal light only can use the 12V battery (3cells Li-Po battery) .