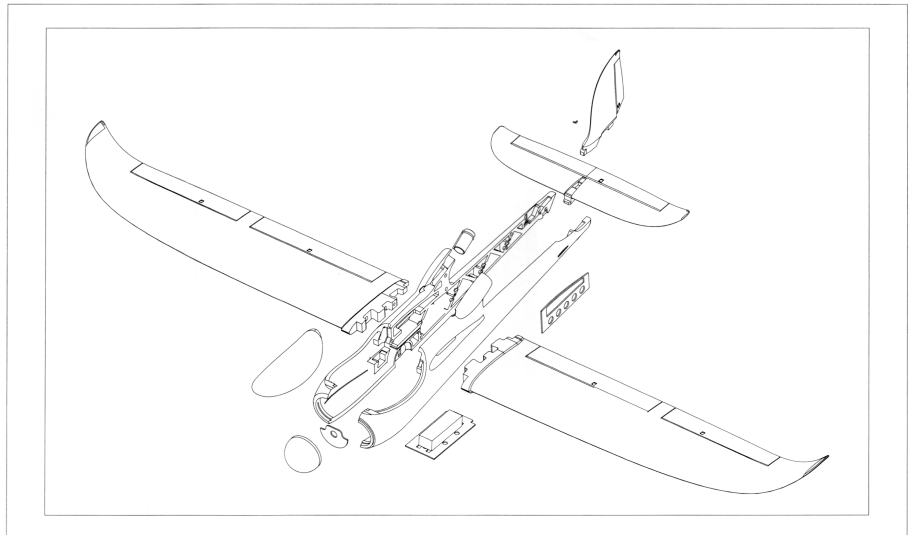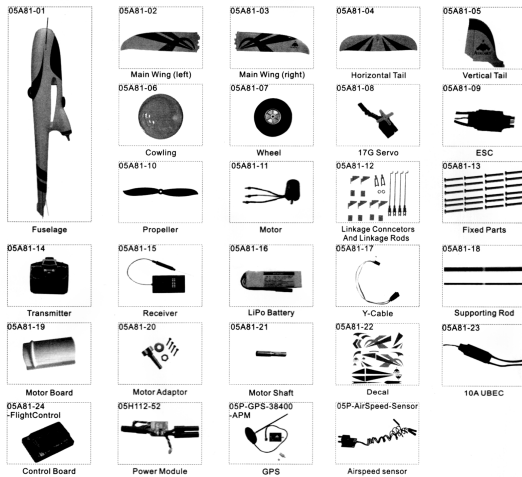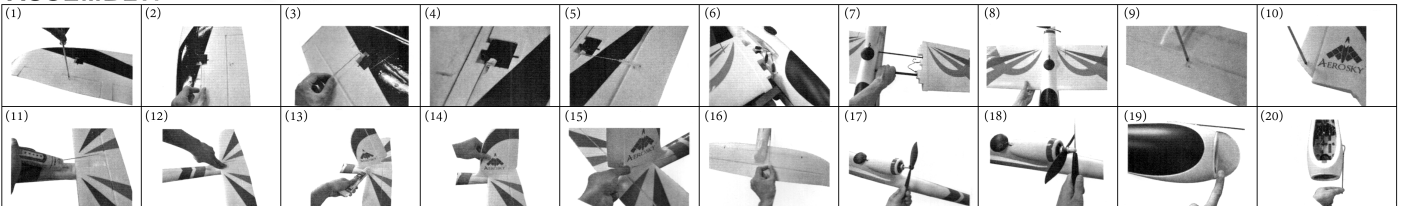**WINGSPAN** : 2000mm (78.7 inches)
LENGTH : 1126mm (44.3 inches)
WEIGHT : 1600g (56.4 oz)
BATTERY : 11.1V -14.8V Lithium Polymer Battery
POWER SYSTEM: 8 Inch With Outrunner Brushless Motor
RC SYSTEM : 6 Channel 6 Servos And 1 Brushless ESC

DIRECTIONS FOR ASSEMBLY AND ADJUSTMENT

Part List

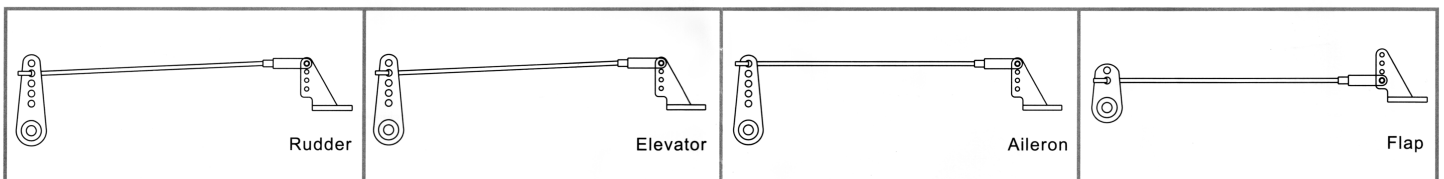| 05A81-01	05A81-02 Main Wing (left)	05A81-03 Main Wing (right)	05A81-04 Horizontal Tail	05A81-05 Vertical Tail
	05A81-06 Cowling	05A81-07 Wheel	05A81-08 17G Servo	05A81-09 ESC
Fuselage	05A81-10 Propeller	05A81-11 Motor	05A81-12 Linkage Conncetors And Linkage Rods	05A81-13 Fixed Parts
05A81-14 Transmitter	05A81-15 Receiver	05A81-16 LiPo Battery	05A81-17 Y-Cable	05A81-18 Supporting Rod
05A81-19 Motor Board	05A81-20 Motor Adaptor	05A81-21 Motor Shaft	05A81-22 Decal	05A81-23 10A UBEC
05A81-24 -FlightControl Control Board	05H112-52 Power Module	05P-GPS-38400 -APM GPS	05P-AirSpeed-Sensor Airspeed sensor	

ASSEMBLY:

(1)(2)(3)(4)(5) Install the linkage connectors and connect the linkage rods on the main wings.
(6) Connect the Y-Cable between the main wings.
(7)(8) Insert the supporting rod into the main wings.
(9)(10) Install the linkage connectors on the tail wing and vertical wing.
(11)(12)(13)(14) Glue the tail wing and vertical wing.
(15)(16) Connect the linkage rods for the rudder and elevator.
(17)(18) Install the propeller.
(19) Install and secure the cowling with tape.
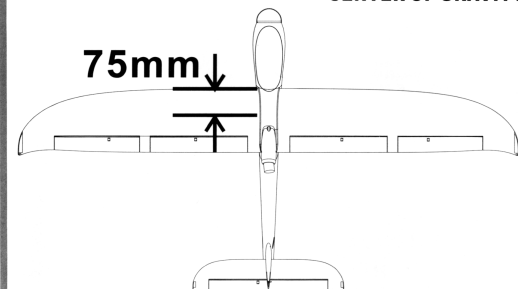(20) Point the airspeed tube straight forward to allow more accurate measurement of air speed.

SETTING UP THE RADIO:
Use following set up for the third party radio system:
Aileron: NOR, Elevator: NOR, Rudder: NOR

The main control board supports advanced programs such as
"Mission planner", " Andropilot " for routine
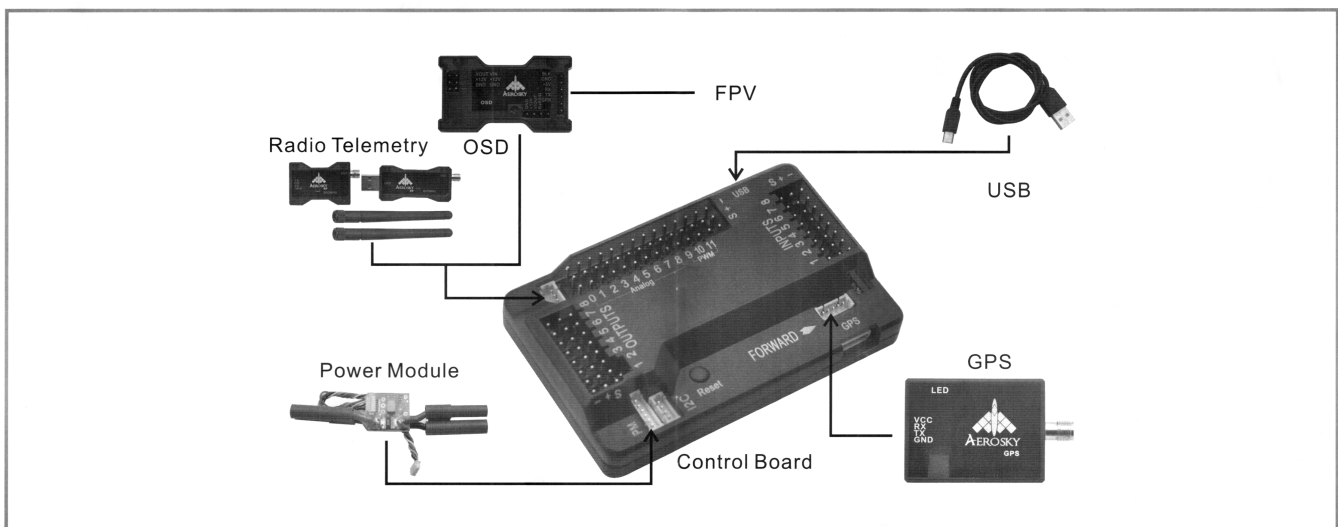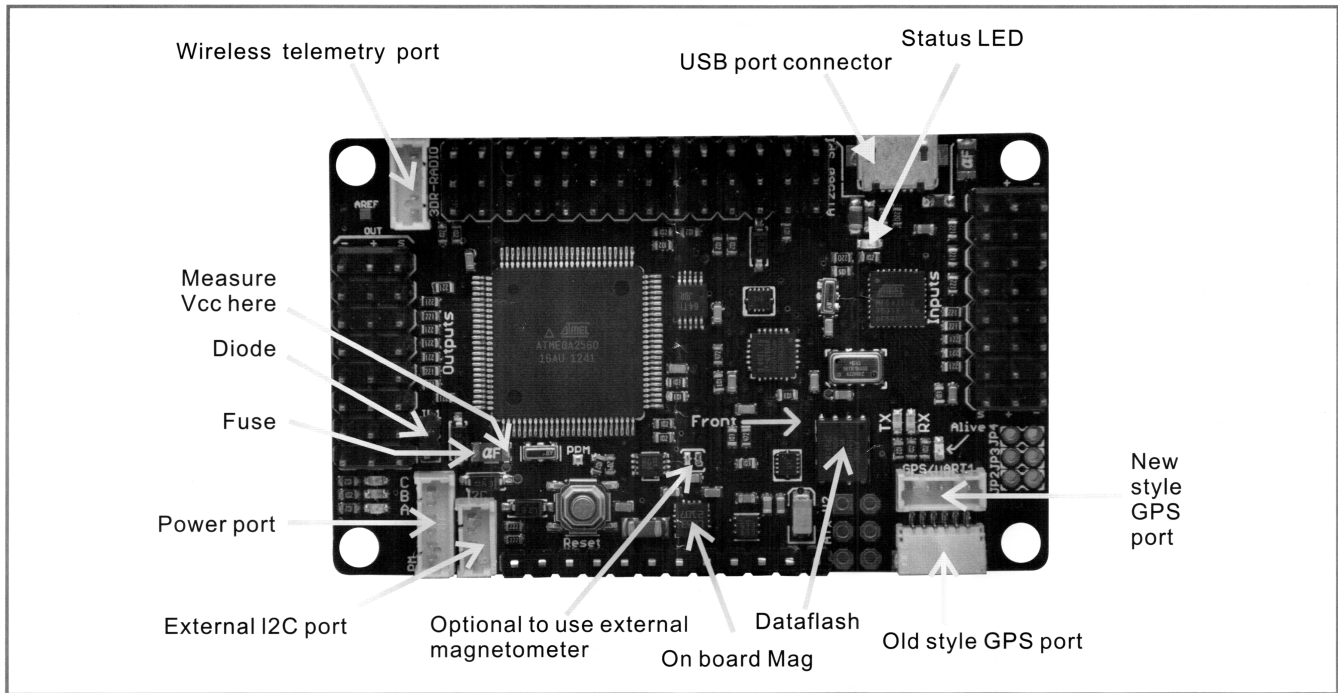planning and ground station features(use USB or 3DRF connection)

Rudder   Elevator   Aileron   Flap

CENTER OF GRAVITY

75mm

Warning:

5CH Flight Mode:
- RTL(Return to location)
- STABILIZE(Default)
- Manual

6CH FLAP

- On the first couple of flights at a new location, do not switch to the RTL flight mode. the GPS and MAG module need to make adjustment for the the new location automatically. Before switch to the RTL flight mode, make sure the GPS module acquires enough GPS satellite signal (minimum 3 satellites). The red led on the GPS module starts showing green flashes indicating enough GPS signal is acquired.

- When switch to the RTL flight mode, the airplane should automatically return to the unlock position (where the GPS signal was acquired) and cruise in a 75 feet radius circle at around 200 feet in altitude. The return path should be free of tree and building.

- For more accurate RTL position, wait additional 30 seconds at the desired position before unlocking the airplane.

- For better GPS signal reception, 1500 feet radius clearance of flying field is required.

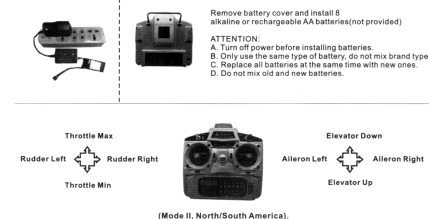Wireless telemetry port

Status LED

USB port connector

Measure Vcc here

Diode

Fuse

Power port

Front

TX RX

Alive

New style GPS port

External I2C port

Optional to use external magnetometer

On board Mag

Dataflash

Old style GPS port

FPV

Radio Telemetry

OSD

USB

Power Module

Control Board

GPS

Remove battery cover and install 8 alkaline or rechargeable AA batteries(not provided)

ATTENTION:
A. Turn off power before installing batteries.
B. Only use the same type of battery, do not mix brand type.
C. Replace all batteries at the same time with new ones.
D. Do not mix old and new batteries.

Throttle Max

Rudder Left — Rudder Right

Throttle Min

Elevator Down

Aileron Left — Aileron Right

Elevator Up

(Mode II, North/South America).

AeroSky guarantees this product to be free of manufacturing faults and material defects. This product has been checked and fine tuned individually by professional pilot and quality control pilot. The warranty does not cover any component parts damaged by use and modification. Please visit http://www.aeroskyrc.com for updated product information.

This product is not a toy. It is not recommended for children under 14 years old and any minor should be accompanied by an adult when operating. This product is a precision machine that requires proper assembly and setup to avoid accidents. Failure to take caution when operating this product may result in serious injury or property damage. It is the owner's responsibility to operate this product in a safe manner. Manufacturer and its distributors are not responsible in any way for any and all bodily injury(s) and/or property damage that may occur from the use of or caused by in any way of this product.

WARNINGS

• The product is not intended for those under 14 years of age without proper adult supervision. The product is not a toy. It is a precision machine requiring proper assembly and setup to avoid accidents and it is the responsibility of the owner to operate this product in a safe manner as it can cause serious personal injury and damage to property due to carelessness or misuse.

• The spinning rotors on this product can be dangerous! When operating/flying, always be aware of the spinning rotors. Be careful not to let them come close to your body, other people or loose clothing. Keep your hands, fingers and any articles of clothing away from the rotors.

• Do not attempt to disassemble or modify any of the product components without the assistance of an experienced RC user.

• Only use the correct type of battery to operate. Using any wrong type of battery will damage the product and possibly make it dangerous to operate.

• The motor(s) may get hot during use. Always allow 10-15 minutes between each flight for the motor to cool down. This will prolong the life of your product.

• Choose an appropriate operating site consisting of flat, smooth ground, and clear open field. Do not operate near buildings, high voltage cable lines, or trees to ensure safety operation. Operate in safe area only, away from other people. RC models are prone to accidents, failures, and crashes due to a variety of reasons including, lack of maintenance, pilot error, and radio interference. Pilots are responsible for their actions and damage or injury occurring during the operation.

• Do not operate in inclement weather, such as rain, wind, snow and darkness.

• The product is composed of battery of precision electrical components. It is critical to keep the product away from moisture and other contaminants. Do not allow them to get wet. Electrical damage may occur that could affect safe operation.

• After each use, always allow the battery to cool down before recharging. When charging the battery pack, do not overcharge! If batteries get hot during charging, discontinue charging immediately and disconnect the battery from the charger. Never leave batteries unattended while charging. If you are unsure of how to charge this battery, please seek the advice of experienced RC users. Never let children charge the battery without adult supervision.

• Always turn on the transmitter before connecting the battery on the model. When turning off the model, always disconnect the battery first, and then turn off the transmitter. If the order is reversed, the model may become uncontrollable and cause serious damage.

• If you are in trouble of your ability to operate the model, we strongly recommend that you seek assistance from experienced RC users or join your local model flying club to gain the required knowledge and skill. As the manufacturer and distributor, we assume no liability for the use of this product.

• Before turning on your model and transmitter, please check to make sure no one else is operating the same frequency. Frequency interference can cause your model, or other's models to crash. The guidance provided by experienced RC users will be valuable for the assembly, tuning, trimming, and actual first flight.

• Never allow batteries to run low or you might lose control of the model.

• You should complete a successful pre-flight check of your radio equipment and model prior to each flight.

• Plastic is very susceptible to damage or deformation due to extreme heat and cold climate. Do not store the model near any source of heat such as oven or heater. Store the model indoors, in a climate-controlled, room temperature environment.

AEROSKY
MADE IN CHINA