**TROUBLESHOOTING**

**CAMERA NOT OPERATING (Turn camera ON before takeoff)**
- Camera will not take pictures
- Camera will not record
- Camera will not display any images

**ELECTRIC MOTOR DOES NOT RUN OR LOW POWER**
- Controller and/or plane not charged
- Motor does not run
- Motor runs slowly

**RUDDER DOES NOT MOVE WHEN CONTROL STICK MOVES**
- Rudders do not move when control stick is moved
- Rudders move in the opposite direction

**SHORT FLIGHT TIME**
- Flight time reduced
- Flight time varies widely

**ERRATIC, LITTLE OR NO RADIO CONTROL**
- Controller and/or plane not charged
- Motor does not run
- Motor runs slowly

**DO NOT RETURN YOUR PLANE TO THE STORE WHERE PURCHASED.**

**REPAIRS YOU CAN DO YOURSELF**

Your plane is easy to repair. If damaged, repair any foam part that breaks with 5-minute epoxy and/or clear packing tape (sold separately at hardware or hobby stores). Review the illustrations below.

**IMPORTANCE OF MAINTENANCE**
- Always disassemble flight battery completely before recharging.

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**90 DAY LIMITED WARRANTY**
- Do not return your products to the store. Estates will repair or replace factory defective products for 90 days from the date of purchase. This warranty specifically excludes the cost for damage caused by the customer.
- Estates/Rocket will be in the event of a defect or part is not working, please contact Estates Customer Service at www.estesroockets.com.

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**IMPORTANT USER INFORMATION**
- This radio system is PT-95 of the F.C.C. 427-800 MHz, Operation is subject to the following conditions:
- This radio system may cause harmful interference if not used in accordance with the instructions.
- This radio system is limited to an interference-free environment.

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**WARNING:**
- To avoid injury and property damage:
  - Keep your hands, fingers, clothing, and other objects away from the propeller at all times.
  - Keep spectators behind and away from live at all times.
  - Before each flight, make sure the propeller is securely attached to the airplane.
  - After each flight, inspect the propeller for breaks and cracks.
  - Discard and replace damaged, skewed, cracked, or broken propellers.
  - Use only the propeller specified by the manufacturer.
  - Do not alter, modify, or customize the propeller.

**BATTERY AND CHARGING SAFETY**
- This plane is equipped with removable 300-mAh 4.8-Volt NiCd/Metal Hydride (NiMH) battery. To prevent possible injury to the battery or user, read the following precautions. Battery should be recycled.
- Always install the battery while charging.
- Do not use battery in extreme environments.
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- Never store or transport batteries in a pocket or
- Do not leave battery unattended during charging.
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THE SPY SQUADRON™ CONTROLLER

(Requires 6 - AA Alkaline Batteries - Sold Separately)

CAUTION: Do not mix old, new or other battery types. Use only ALKALINE batteries. Remove batteries form unit when storing for long periods.

Slide open and remove the back cover. Insert 6 AA Alkaline batteries into the correct polarity and replace cover.

Video/Picture Taking Button
See Camera Operation (page 6) before flying.

Attach Ribbon to Antenna and screw Antenna into controller.

Speed Control Stick
See Know Your Controller (page 4) before flying.

Turn Control Stick
See Know Your Controller (page 4) before flying.

USING THE CHARGER

Unlock end of charger and open. Insert 6D size alkaline batteries into charger in the correct polarity. Replace end and lock.

Lock to unlock.

CHARGER

CHARGING GUIDELINES:
- Always remove Flight Battery from airplane before charging.
- Flight Battery is NOT, allow it to cool before charging. NEVER charge Flight Battery or Charger or Right Battery is wet. ALWAYS unplug Flight Battery from Charger when not in use. NEVER leave Battery unattended when charging.
- DO NOT charge Flight Battery if it shows leakage or corrosion.

INSTALLING THE CAMERA BATTERIES

Remove Camera Battery Compartment cover.

Insert 3 button cell batteries (included) in correct polarity as shown, and then replace cover.

INSTALLING THE FLIGHT BATTERY

Remove Battery Hatch. Connect Flight Battery. Carefully guide the battery wire into compartment following by Flight Battery wire guide. DO NOT force. Pull all the way in the battery compartment. Replace Battery Hatch.

IMPORTANT USER INFORMATION
Note: 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 or more of the following measures:
- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Consult Ester-Cox Corp. for help.

Camera may be turned off after pictures have been downloaded and saved on your computer.

DOWNLOAD PICTURES FROM CAMERA

IMPORTANT: DO NOT turn camera switch OFF - doing so will erase the pictures stored in the camera.

1. Connect USB cable to the computer, then to the camera pod as shown.

2. Follow the steps below to download and save your pictures.

A. Open 'My DSC 2' folder on the desktop.

B. Click on 'My DSC 2' to open.

C. Click the 'Load Pictures' icon.

D. Right Click to enlarge picture to view or Left Click to Highlight ( irradi box). Then click the 'Save' icon below.
LOAD THE SOFTWARE (My DSC 2)

1. Insert CD in CD Drive. Important: Close other programs before installation. You will need to restart your computer after installation. If program does not begin automatically, you will need to click START and then MY COMPUTER and double click the CD drive.

CAMERA OPERATION

PRE-FLIGHT CAMERA SETUP
1. The camera turns ON by turning the camera mode switch to STILL or VIDEO. If switched to VIDEO, camera can take up to 14 seconds of video. If switched to STILL, camera can take up to 15 pictures.
2. The LED indicates the camera is ON. It works as follows:
   - If Camera is turned ON before the Plane and Controller, LED will flash twice. After Controller and Plane are turned ON, LED will turn solid indicating Camera is ready.
   - If Camera is turned ON after the Plane and Controller, LED will flash once, and then turn solid indicating Camera is ready.
   - The LED will go OFF when Camera is turned OFF.

TAKING STILL PHOTOS
- Switch the camera mode switch to STILL, the camera can take a total of 15 pictures.
- Press and release the picture button. Wait 5 seconds between shots. For best results during flight, release the Speed Control Stick (center/cruise speed) before taking pictures.

TAKING VIDEO MOVIES
- Switch the camera mode switch to VIDEO, the camera can record a total of 14 seconds of video.
- Press and hold the video button to take the entire length of video in one shot, or press and release the video button to take random lengths of video. Wait 5 seconds between shots. For best results during flight, release the Speed Control Stick (center/cruise speed) before video.

IMPORTANT NOTES:
1. DO NOT switch camera OFF or from STILL to VIDEO or vice versa before downloading to a PC. Doing so will ERASE all pictures/video from camera.
2. Camera will only take pictures or videos when plane's motor is running.
3. Allow 5 seconds between each picture/video for camera to reset.
4. Replace the camera batteries when camera starts failing to take consistent video or pictures.
5. After pictures/video are downloaded switch camera OFF when not in use.

AIRPLANE ASSEMBLY

1. Insert Nose Gear into Nose Gear Mount in fuselage. Press Nose Gear Plug into slot to secure Nose Gear into place. Insert Nose Gear Screw to hold everything in place using screwdriver supplied.
2. Insert Main Landing Gear into mount as shown.
3. Align the wing over the fuselage. Connect the WHITE connector together and then connect the BLACK connectors together. PLUG FITS ONE WAY—DO NOT FORCE.
4. Center the wing over the fuselage. Push the WHITE and BLACK connectors into the fuselage while connecting the leading edge pin into the hole in the fuselage. Secure the rear section of the wing with the screw provided.

5. Lower Strut Mount.
6. Apply to each side.
7. Apply each side.

FLEX WING DOWN
FLYING YOUR PLANE - READ AND STUDY THESE INSTRUCTIONS BEFORE YOU FLY!

PRE-FLIGHT CHECKLIST
1. Have a fully charged battery installed in plane.
2. Fully extend controller antenna.
3. Check wind speed and direction using wind indicator.
4. Turn controller switch ON.
5. Turn plane switch ON.
6. Check controls by tapping each control button.

THROW STRAIGHT OUT

LAUNCHING
Hold plane level with the ground. Hold the Speed Control Stick at full speed. Throw straight out like a bat into the wind.

CHANNEL 1
CHANNEL 2

HIGHWAY PATROL
AIR UNI T

TOUCH the TURN Control Stick

LAUNCHING
Hold plane level with the ground. Hold the Speed Control Stick at full speed. Throw straight out like a bat into the wind.

CHANNEL 1
CHANNEL 2

HIGHWAY PATROL
AIR UNI T

TOUCH the TURN Control Stick

CHOOSE A GOOD FLYING SITE:
Find a large area with flat grassy fields, like a soccer field. DO NOT fly over parking lots or streets.

SAFETY PRECAUTIONS:
1. Always fly in areas free from obstructions.
2. NEVER fly near power lines, trees, houses, or buildings.
3. DO NOT fly in winds over 8 MPH (light).
4. ALWAYS keep hands free and not touching the plane.
5. ALWAYS have spectators stand behind the plane during flight.

LANDING
Press Speed Control Stick down to turn power off. Press the Speed Control Stick up then down when needed to keep the nose up during landing until touch down.

1. LAUNCHING
2. TAKE OFF
3. BEGIN RIGHT TURN
4. END RIGHT TURN
5. PREPARE TO LAND
6. LANDING

ADVANCED FLYING TECHNIQUE
Takeoff From The Ground: When taking off from the ground it is important to take off from a smooth surface, such as the infield of a baseball field or smooth and straight sidewalk.

ADVANCED FLYING TECHNIQUE
Takeoff From The Ground: When taking off from the ground it is important to take off from a smooth surface, such as the infield of a baseball field or smooth and straight sidewalk.

CONTROLLING THE PLANE FLYING TOWARDS YOU!
When the plane is flying towards you while watching it from the ground, to turn the plane to your LEFT you need to tap RIGHT. To Turn RIGHT tap LEFT. OR IMAGINE YOU ARE CONTROLLING FROM THE COCKPIT!