

Project #25854 – Air Raider Mako

Date: 24 December 2004

FCC REQUIREMENTS

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.

WARNING:

Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

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 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
- 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.

This Class B digital apparatus complies with Canadian ICES-003.

CONTROLS

1. Plane On/Off Switch
2. Charger Socket
3. Propeller
4. Main Wing
5. Antenna

6. Remote Control On/Off Switch
7. Direction Control Lever (Left/Right)
8. Turbo Button
9. Start/Stop Engine Button
10. LED Indicator
11. Charger pack On/Off Switch
12. Charger Battery Door
13. Charger Plug
14. Charger LED

INSTALLING THE BATTERIES

1. Installing the Remote Control Battery
 - The remote control takes one 9V alkaline battery (not included) to operate the unit.
 - Open the battery door.
 - Insert a 9V battery into the battery compartment, ensure the battery polarity are respected.
 - Reposition the battery door.
 - If the item is not been used for a long period, remove the battery to avoid damage from leakage.

2. Installing the Charger Battery
 - The charger need 8 x "C"-cell battery (not included) to provide the charge.
 - Unscrew the battery door.
 - Insert 8 x "C"-cell battery into the battery compartment. Make sure the battery polarity are respected.
 - Replace the battery door and fasten the screw.
 - If the item is not been used for a long period, remove the battery to avoid damage from leakage.

Note:

- Do not mix old and new batteries.
- Do not mix alkaline, standard (carbon-zinc) or rechargeable (nickel-cadmium) batteries.

CHARGING THE MAKO™

1. Connect the plane to the charger as shown on the drawing.

(Drawing)

2. Ensure the plane is been switched off and then turn on the charger.
3. When the charger is “On”, the RED LED lights.
4. When the charging completed, RED LED goes out and GREEN LED lights.
Normally, it will take around 15 minutes to fully charged.
5. Switch off the charger before disconnect the plane from the charger.

IMPORTANT:

- Do not charge your Mako™ before it is not been fully discharged.
- Repeated over charging can lead to deterioration in battery performance.
- Use only the attached charger to charge your Mako™. Other charge sources may cause damage or lead to injury.

FLYING YOUR MAKO™

Important:

- Always fly you Mako™ in a wide open grass playground or park.
- There should be no overhead wires, trees, buildings or other obstructions.
- Do not fly the plane in electrical storms or rainy day or windy day.
- Flying the Mako™ in windy day will result in poor flight performance and may cause your plane be damaged or even lost.

1. Prepare to Fly Mako™

- It is best to fly on a clear day without wind.
- Before flying the plane find out the breeze direction.
- Always toss your plane against the breeze for the best take off and flight result.

2. Remote Control

- Turn the control on.
- Extend the antenna all the way.

3. Plane

- Fully uncoil and straighten your plane’s antenna.
- Never pull or yank on the antenna, as it is fragile.
- Pulling the antenna may loosen it, or remove it completely, and you will not be able to control the plane.

4. Start the Engines
 - Switch "On" the Mako™.
 - Press once the Start/Stop button on the remote control.
 - Propeller spin very fast, never try to stop it by fingers or other objects.
You will get hurt or the circuitry inside been burnt out.

5. Launch the Plane

(Drawing)

- Throw the Mako™ against the breeze horizontally.
- Press the TURBO button to make Mako™ go up.
- Press the Start/Stop button to land Mako™.
- Move Left/Right lever to control the fly direction of Mako™.
- In case Mako™ crash, hold down the Start/Stop button until you pick up the plane and switch it off.

IMPORTANT:

- In any circumstances, please do not lost sight of your Mako™. Or it will fly very far away and you will not get it back.

Specification

Carrier Frequency	:	27.145 Mhz
Control Range	:	70 Metre
Field Strength	:	63.0 dBuV/m at 3 meter
Power Source	:	Transmitter 9V (6LR61)
		Receiver Charged Battery Build In
		Charger 12V (LR14)

TO SERVICE YOUR UNIT, CONTACT:

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