



Learn To Fly Radio Control with the Des Moines Modelaires

About Us

- We are a club of over 100 members who fly radio controlled model airplanes and helicopters at two controlled flying fields.
- We meet the first Tuesday of each month. At each meeting we have a program on a topic related to flying and a time for show and tell.
- We publish a monthly newsletter.
- We have an annual awards dinner to recognize members for their contributions to the club.
- We sponsor several flying events throughout the year. These are opportunities for members to have fun, demonstrate skills, and show off their models.
- We demonstrate R/C flying anywhere that we have room to fly safely.
- We present educational programs on model building and model flying to groups in the area.
- We hold a swap meet and an auction annually.
- We have a free pilot training program to help new pilots learn to fly their model successfully.
- We have been a chartered club of the Academy of Model Aeronautics since 1936.

Learning To Fly Radio Controlled Model Airplanes and Helicopters

Radio controlled airplanes and helicopters can provide a lifetime of fun. The key to success is getting started on the right foot. Radio control clubs like the Des Moines Modelaires provide facilities and instructors so that people can enjoy the hobby. Our instructors will help you select the right equipment and teach you how to use it and enjoy it. This website, www.hooked-on-rc-airplanes.com, will give you a lot of helpful information about getting started in this hobby.



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Skills You Will Learn

Preflight

Demonstrate knowledge of aircraft systems and perform preventive maintenance inspection on aircraft.

Engine Start

Demonstrate knowledge of ground support equipment and perform a safe engine start.

Take-off

Perform take-off while maintaining heading (no more than two wingspans from runway centerline)

Perform a smooth rotation

Perform a controlled transition to level flight at predetermined altitude and heading

Rectangular Pattern (at altitude)

Perform rectangular pattern while:

Maintaining constant altitude

Compensating for drift

Climbing and Descending Turns

Perform climbing and descending turns while:

Maintaining smoothness of control

Compensating for drift

Controlling airspeed

Horizontal Figure 8 (from both directions)

Perform horizontal Figure 8 while:

Maintaining constant altitude

Compensating for drift

Maintaining symmetrical circles

Stall Recovery (at altitude)

Perform power-on stall & recovery (at safe altitude)

Perform power-off stall & recovery (at safe altitude)

Steep Turns (bank angle greater than 50 degrees)

Perform (3 each direction) high G-turns while:

Maintaining constant altitude

Compensating for drift

Loops



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Perform 3 consecutive loops while:
Maintaining heading
Compensating for drift
Maintaining symmetrical circles

Missed Approaches

Perform (3 missed) approaches while:
Maintaining directional control of aircraft at low airspeed
Transitioning to flight configuration

Touch & Goes

Perform 3 touch & goes in both left and right hand pattern (6 total) while:
Maintaining heading (no more than two wingspans from centerline)
Landing within a 10-meter long predetermined touch down zone
Transitioning smoothly to take-off configuration

Full Stop Landing

Perform full stop landing while:
Maintaining airspeed control
Maintaining heading (no more than two wingspans from centerline)
Landing within a 10-meter long predetermined touch down zone
Maintaining centerline heading during roll-out

Simulated Deadstick Landing

Perform simulated deadstick landing when called for by Contest Director (power stays at idle during maneuver)
Maintaining airspeed control
Maintaining heading (no more than two wingspans from centerline)
Maintaining centerline heading during roll-out

Joining Our Club

There are two requirements for belonging to our club:

- Sign up with the Academy of Model Aeronautics (AMA) www.modelaircraft.org
- Sign up with our club www.desmoinesmodelaires.com

The AMA provides many helpful services including liability coverage, programs information and a



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monthly magazine. They have membership options for adults and youth. For adults there is an Introductory Pilot Program that allows someone new to the hobby to try out the hobby for 90 days.

Typical Cost of a gas powered model

Required Items

SIG LT-40 Airplane	\$129.99
Propeller	\$1.99
Glow Starter w/charger	\$12.99
OS LA-46 Engine	\$61.99
Fuel	\$8.99
Starter Stick	\$7.59
Radio, Receiver, 4 servos, charger	\$199.99
Flight Box	<u>\$36.99</u>
Total Cost	\$460.52



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Helpful Links

Academy of Model Aeronautics – www.modelaircraft.org

Des Moines Modelaires – www.desmoinesmodelaires.com

Model Airplane News – www.modelairplanenews.com

New Pilot Information – www.hooked-on-rc-airplanes.com

Local Hobby Shops –

www.hobbyhaven.com

www.hobbytown.com/iaank

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