

Love Air Instructor Training Guide

Expectations for the Instructor

- Adhere to the Love Air RC Club guidelines for pilot instruction.
- May use Club Trainer or Instructors personal Training plane for introductory flight.
- Commit to learning how to operate and use the Drake Field Simulator
- Become familiar with the “One Week to Solo” book
- Understand and support Gyro Stabilization (“SAFE”) technology
- After the Introductory Flights, use the student’s airplane for all Buddy Box Flights

Ground School & Introductory Flight Checklist

- If the new student is not an AMA Member or Club Member, have student complete the Intro Pilot form before first flight
- Review AMA Code of Conduct
- Review Drake Field Rules & Regulations
- Briefly review the effects of Center of Gravity, plane balancing, weight, and power to weight ratio when setting up a plane
- Briefly review flying characteristics of high, mid, and low wing planes
- Briefly review differences of flight using gas, glow fuel and battery power
- Briefly review the types of Transmitters available and encourage a minimum capability.
- Demonstrate how to use a flight simulator – preferably the Drake Field Simulator
- Discuss the importance of setting a plane up with throttle cut and low idle
- Discuss the control surfaces pointing out how each surface affect the flight path.
- Demonstrate how the radio sticks affect the airplane movement
- Explain how the Buddy Box works
- Explain the goal for today’s session
 - Smooth turns left & right
 - Smooth changes in elevation
 - Gaining perspective for lining up to the runway
 - How to eliminate over control of the aircraft for even flying.
- Conduct at least 2 introductory flights – no take offs or landings
- Providing that the student has their own airplane, inform the student that Love Air will pay for 50% of the cost of the preferred simulator along with providing them the workbook “One Week to Solo”.
- Discuss the Battery Care Handout
- Discuss Battery charger/checker information handout.
- Discuss the Possible Airplane and Simulator page. While pointing out the advantages of the SAFE based airplanes, make sure the student knows we will help with any airplane they chose provided that the plane is suitable for training.

Turn page for next steps

Expectations of the Student for Next Steps

- Student must join AMA and Love Air to proceed with further training after the Introductory Pilot instruction.
- Complete the Study Guide using the Workbook "One Week to Solo and simulator.
- Advise the student what simulator skills need to be developed before proceeding with additional training.
- Advise the student that all future flights will be conducted with their airplane.
- Advise the student that we will Buddy Box providing their plane is compatible with available equipment.
- On a Buddy Box, the student must demonstrate the Solo Flight Requirements.
- If a Buddy Box solution is not available for the Student radio system, then determine an alternate method for assisted flight. (Handover of transmitter or hand on student's hand)

Solo Flight Demonstration requirements

- Three solo flights demonstrating all of the following: (each flight does not need to demonstrate the 7 requirements but all 7 requirements must be demonstrated at least once during one of the 3 solo flights.
 - All flights east of the west edge of the runway flying the race track rotation based on wind direction (No spectator or pit area incursions with airplane)
 - Successfully takeoff while maintaining a straight path down the runway
 - Demonstrate ability to change elevation & direction upon command from the instructor.
 - At least two passes around the flying pattern
 - One or two figure 8 patterns with wing leveling after each turn
 - At least two low level approaches to the runway
 - Successfully landing the airplane on the runway. Instructor discretion if the runway is missed but the landing is straight-line with proper flair and a smooth landing.