

Model Airplane Design Made Easy

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build and fly your very own model airplane design using clear explanations you will learn about important design trade offs and how to choose among them the latest research and techniques are discussed using easy to understand language you will discover the special challenges faced by the smaller models and how to overcome them how to choose the right material for each part of the airplane easy rules for selecting the right power system gas or electric when it makes sense to use one of the innovative kfm airfoils pros and cons of canard and multi wing configurations a step by step design process that includes goal setting and flight testing in depth discussions of important topics like airfoils and

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experience firsthand the joys of building and flying your very own model airplane design put into practice the lessons

from my previous book rcadvisor's model airplane design made easy follow along as we design build and fly a modern radio controlled model airplane lofty design goals incorporating the latest innovations and research results the design looks deceptively simple however 20 prototypes had to be built before one finally met all the design goals build it in just one day for less than \$5 a joy to fly with no bad habits build either a park flyer or an indoor slow flyer new pilots can fly it without ailerons sturdy enough to survive hard landings easy to build for new scratch builders kid friendly free flight glider version use inexpensive electric power systems and radio gear great starting point for your own unique designs you can easily find the construction materials for the airplane at local discount or craft stores so what are you waiting for an inside look at the design process the book starts by describing the goals and the long prototyping process that led to the final design along the way you get to see firsthand the challenges that creating an innovative design presents learn the reasoning behind all the decisions that led to this unique design a stand alone book it is complemented nicely by rcadvisor's online model airplane calculator and my first model airplane design book picking up where that book left off it takes a very pragmatic approach to the entire design process carlos reyes founded rcadvisor.com in 2007 he's had a life long love affair with aviation building and flying model airplanes since childhood he holds a private pilot glider license and is the vice president of his local model airplane club advance praise carlos reyes is quickly building a reputation as a talented and experienced rc model aircraft expert and author his first book titled rcadvisor's model airplane design made easy set the stage for what i'm sure will be a series of books that will allow a rank beginner to get a start and then progress to any desired level in our wonderful hobby the amount of detail in this new book is incredible and will certainly apply to many other aircraft that you build as you grow in the hobby carlos reyes has a truly enjoyable style of writing fun to read while you are learning so much at the same time this new book is excellent for any age group be they young or old this is absolutely a must read i can only imagine and look forward to what book number three will be like bob aberle ama 215 technical editor model aviation magazine i was really hoping carlos next book would be informative entertaining helpful and have a brilliant educational aspect for rc flying hobbyists however this book didn't quite do this it was beyond these expectations carlos kicks out another winner with this one yes you can have entertaining and helpful media in rc other than podcasts jamie burke host allthingsthatfly.com invading the mind of a designer is an intriguing adventure after reading just the first chapter about the goals along with what did and didn't work on the prototypes i was eager to read on to see how the modified design worked out carlos continues by explaining what considerations were used and how they were derived to pick a winner from the many prototypes

i carefully studied carlos ideas and techniques and learned a lot about designing this type of plane i am so excited about the design that i just have to build one to try it out ken myers editor the ampeer

issues for include annual air transport progress issue

fold and fly the record setting distance paper airplanes created by japan s top designer japanese paper airplane designer takuo toda is a living legend in japan having won every major competition and published over 30 books this book presents a collection of the very best long distance paper airplanes including the record setting model that achieved a flight of 202 feet 61 82 meters these high performance paper planes are all very easy to fold and fly for incredibly long distances in this ebook edition you ll receive downloadable templates for all 32 uniquely designed paper airplanes simply print cut and fold to bring them to life each plane has a unique design and flight characteristics they include sleek darts like the lancer zero that can withstand great launch forces the cool arrow fighter with its distinctive barbs the amazing praying mantis with its forward swept stabilizing fins the shark with its aggressive styling and large vertical stabilizer the air king the current record holder for longest flight distance in japan and many more

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Introduction

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