

JET CITY AIRCRAFT

PRESENTS

JET CITY COLLECTIONS: THE DC-9

For Use with
Microsoft Flight Simulator 2004: A Century of Flight
or
Microsoft Flight Simulator 2002



THE DC-9 SERIES 10

The DC-9 Collection showcases America's first short-haul jetliner and twinjet workhorse, the McDonnell Douglas DC-9, and features a 5-part release covering the entire DC-9 product line from the Series 10 through the Series 50.

The aircraft included in this release is the DC-9 Series 10. As with all of our aircraft releases, this product features "full line" development, meaning all models and variants of a given aircraft type are represented. For the DC-9 Series 10 release, we have included all models and variants offered by the manufacturer -- the Series -11, -14, -15, -15MC, and -15RC -- in their appropriate passenger, freighter, or combi configurations, each with their own unique flight dynamics and factory installed and aftermarket options.

The repaints that we provide are paired up with the correct aircraft model to ensure that the plane you fly is the same as the one the real airline flew. In addition to the repaints offered in the base package, you can download all your favorite repaints by visiting our DC-9 Series 10 Product Support page on our web site. As with all Jet City Aircraft repaints, the ones for the DC-9-10 are completely free of charge.

Our DC-9 aircraft are feature-rich enough to fly on their own, yet inexpensive enough to accompany, enhance, or upgrade your existing freeware or purchased panel and sound packages. Flight One *Iron Knuckles DC-9* owners will be pleased to know that the Jet City DC-9 seamlessly integrates with the Iron Knuckles package, allowing you to take advantage of their excellent panel, sounds, and even the virtual cockpit.

THE DC-9 SERIES 10 – AN OVERVIEW

First proposed in 1947 as a twin engine piston-powered airplane, the DC-9 grew out of the desire of the Douglas Aircraft Company to build a successful replacement for the DC-3. Over the years the DC-9 designation was applied to a number of designs, from various four engine turboprops to a miniature DC-8 design with either two or four engines. In the end, the chosen design was that of a jet powered airplane that sat low to the ground with two engines mounted on the rear of the fuselage and featured a "T" shaped tail.

The initial version, the DC-9 Series 10, was designed to be capable of flying multiple segment flights of between 100 and 500 miles while being able to support itself when operating out of small or poorly equipped airports. Sitting low to

the ground, no large or expensive loading equipment was needed and the inclusion of internal stairs removed the need to have either stairs or jet bridges available to load passengers.

The first flight of the DC-9-10 was on February 25, 1965, when the prototype N9DC took to the air. When DC-9 production ceased in 1982, 137 DC-9-10s had been produced.

Over the years, as the Series 10 evolved, different models were offered featuring increased fuel capacities, more powerful engines, and increased weights and range. The models offered by Douglas Aircraft Company included the DC-9-11, -14, and -15, with the -15 being available in passenger and combi versions. Some models were later converted to all freighter configurations as well.

The DC-9 Series 10 has proven itself as a true workhorse since its first flight in 1965. Nearly 40 years later, it still serves airlines around the world, a true testament to its durability and reliability.

INSTALLATION

To install the Jet City DC-9-10 package, run the program "JCA_DC-9-10_Setup.exe" and follow the on screen prompts. After reading and acknowledging acceptance of the terms of the EULA, the installer will attempt to locate your FlightSim installation folder to help simplify the installation process. Simply follow the prompts and your aircraft will be installed in moments.

Our aircraft do not feature a virtual cockpit, but instead provide a spectacular view of the wings, which is great for replaying those perfect landings! By default the pilot's viewpoint is set to be from the cockpit, so if you would like to use the "wing view" option, you will need to move the viewpoint closer to the wings to get a better view of them in flight. To do this, simply open the aircraft.cfg of the airplane you want to change and edit the [VIEWS] section using MS Notepad. We have included simple instructions inside the aircraft.cfg file for changing viewpoints.

If you have the *Iron Knuckles DC-9* from Flight One Software and would like to use the 2D panel and sounds from that package, as well as activate the 3D virtual cockpit, you need to run the special merge application called "Jet City DC-9-10 Merge". A shortcut to this file is provided in the "Jet City Aircraft" folder in your Windows start menu (e.g. click "Start", then "All Programs" then "Jet City Aircraft" then "DC-9 Series 10").

There are three options available from within the merge application. The first option, "Default Jet City Setup" uses the default settings which include the panel and sounds from the default 737-400 that comes with *Microsoft Flight Simulator 2004* and wing views in place of a virtual cockpit. The second option, "Merge With Flight 1 Iron Knuckles DC-9" will set up your aircraft to use the 2D panel and sounds from the *Iron Knuckles* package, as well as the virtual cockpit. The third option, "Use Virtual Wing View" will use the *Iron Knuckles* 2D panel and sounds (but not the virtual cockpit) while retaining the Jet City wing views. You can switch between these three options at any time by running the merge application.

SETTING UP THE AIRCRAFT

The Jet City Aircraft DC-9 Series 10 has several unique animations, including opening doors and animated ground service equipment. In order to use them all, it is necessary to assign some key commands that are not included by default in the simulator. Below is a list of these special animations and the key commands used to operate them. For those animations that do not have assigned commands by default, we have listed what command you will need to assign key strokes to in order to view the animations.

Forward Left Passenger Door	"Shift" + "E"
Forward Right Service Door Animated Catering Truck Aft Stairs Extend/Retract (If Equipped)	Tail hook up/down **
Forward and Aft Lower Cargo Doors Animated Bag Loaders Main Deck Cargo Door (If Equipped) Animated Cargo Loader (If Equipped)	Wing fold/unfold **

Forward Stairs Extend	Extend Concorde Nose and Visor Fully **
Forward Stairs Retract	Retract Concorde Nose and Visor Fully **
Wingtip Landing Lights Extend/Retract	"Shift" + "W"

** These items are not assigned by default, so you will need to assign them manually. To do this, start the simulator and from the toolbar, select "Options", then "Controls", then "Assignments". In the "Event Category" box, select "All Commands". You can now scroll through the list of settings and assign keystrokes and/or joystick buttons for the items listed in the table above. Make sure that you do not confuse "Increase (or Decrease) Concorde Nose/Visor Angle" with the "Extend (or Retract) Concorde Nose and Visor Fully." Select the options that have the exact phraseology as listed in the table. When you have everything assigned, click "OK" and you're ready to go!

Please note that based upon factory installed options chosen by the originally ordering airline, aftermarket modifications, and individual airline operations, not all aircraft models feature all of the available doors, ground service equipment, or aft stairs. If the key stroke is assigned properly and the commanded door/ground equipment does not function, then that particular option is not available for that specific aircraft.

FLYING THE DC-9

We won't go into great detail here, but there are a few things to remember when flying the Jet City Aircraft DC-9 Series 10.

This aircraft features accurate aircraft loading information and the ability to customize the passenger, cargo, and fuel loads for each flight. This is accomplished by using the aircraft payload feature of Flight Simulator 2004. Every time you fly a Jet City airplane, you can specify the weight of the passengers and cargo, and even change the combi aircraft from an all-passenger configuration to a mix of passengers and cargo.

Remember that this airplane was introduced in the 1960s, and the Pratt & Whitney JT8D engines offered on the DC-9 were not as powerful as what you may be accustomed to on today's airliners. Knowing this, it is of great importance to watch your aircraft weights and always plan ahead.

The real DC-9 came in several variants, and ours do, too. Each model has its own unique flying characteristics, so don't expect each plane you download to perform the same! For example, you'll find that the Series 11 is a much more of a slug than the Series 15. Do not expect a fully loaded airplane to climb at 3000fpm directly to 31,000 feet; it won't do it.

The DC-9 Series 10 does not have any leading edge lift devices on the wings, which means it takes a little more effort to get it airborne. The key here is trim. Make sure you set it for takeoff or you'll need quite a bit of runway!

Like most other T-tailed, rear-engine aircraft, the DC-9 has the ability to push back from a gate without the use of a tug. The process is called a "Powerback" and it uses reverse thrust to move the plane backwards. The process is not approved at all airports, but you do have the option to powerback in the simulator as our DC-9 has that capability.

Overall, the DC-9 Series 10 is a capable performer, and a fairly nimble aircraft to fly. We hope you enjoy flying it as much as we do!

TERMS AND CONDITIONS OF USE

BY INSTALLING THIS SOFTWARE YOU ARE AGREEING TO ALL TERMS AND CONDITIONS LISTED BELOW. IF YOU DO NOT AGREE TO ANY OF THESE TERMS DO NOT INSTALL OR USE THIS SOFTWARE.

Jet City Aircraft is not affiliated with, sponsored by, or endorsed by any airline, aircraft manufacturer, or any of their subsidiaries or licensees. All airline and manufacturer logos, names and trademarks are the copyright/trademark of their respective owners.

Software produced by Jet City Aircraft is not licensed or endorsed by Microsoft® or by any airline or aircraft manufacturer. The content contained in this software is intended for entertainment and informational purposes only, not for real-world aviation, navigation, or aircraft operation.

This document grants the User no rights to use product content for any purpose other than intended by Jet City Aircraft. The User may not decompile, reverse engineer, or disassemble Jet City Aircraft products in any way. This and all Jet City Aircraft products are licensed to the User, not sold.

Users are authorized to download one (1) copy of a Jet City Aircraft product for their personal, non-commercial use only, provided they keep intact all copyright and other proprietary notices. The product is not to be shared with others or offered for resale or rental or uploaded to ANY internet site for downloading. It is forbidden to repackage or sell any content from this software, in whole or in part, by any means, including but not limited to CD-ROMs or other media, shareware bundles, commercial BBS systems, or internet shopping or auction services without prior written permission from Jet City Aircraft. Any illegal or unauthorized use or distribution of Jet City Aircraft products or the materials contained on the Jet City Aircraft website constitutes theft of private property and shall be prosecuted as such.

All title and copyrights in the software featured in this product are owned solely by Jet City Aircraft. All title and intellectual property rights in the content which may be accessed through use of the product is the property of Jet City Aircraft and will be protected by applicable copyright or other intellectual property laws and treaties.

The products, technology or processes described may be the subject of other intellectual property rights reserved by Jet City Aircraft or other third parties. No license is granted with respect to those intellectual property rights. The internet domain name "www.jetcityaircraft.com" and the names, logos, characters, and graphics associated with Jet City Aircraft are the property of Jet City Aircraft.

All other marks are trademarks or registered trademarks of their respective owners, and are used for identification purposes only. All materials contained in the www.jetcityaircraft.com web site are the copyrighted property of Jet City Aircraft or its licensors. Reproduction, republication, or distribution of any material obtained from www.jetcityaircraft.com, including the look and feel of the web site or other materials, is strictly prohibited without written authorization from Jet City Aircraft.

Jet City Aircraft reserves the right to change this Agreement at any time by revising the terms and conditions herein. User is responsible for regularly reviewing these terms and conditions. Continued use of this software following any such changes shall constitute the User's acceptance of such changes.

Jet City Aircraft reserves the right to terminate this agreement without prejudice to other rights if the User fails to comply with these Terms and Conditions. Should this occur the User must make every effort to destroy all copies of this software and all of its component parts.

Commercial distribution of this software has been granted exclusively to Flight One Software of Atlanta, GA, USA. No other entity is permitted to sell or distribute this software or any other Jet City Aircraft product without prior express written consent. No permission is granted or can be implied through any form of electronic communication including, but not limited to, telephone, voicemail, or e-mail.

WARRANTY

Because this software is delivered electronically to the purchaser, Jet City Aircraft is unable to offer refunds in the event the customer finds the product too complicated or otherwise unsuitable for their use. Jet City Aircraft does NOT provide a warranty for this software. All files contained within this software are provided "as-is" with no warranty, express or implied. The User assumes all risk for the use and performance of this software.

Jet City Aircraft shall not be held liable for any damages that may occur from the use, or inability to use, any Jet City Aircraft product.

ACKNOWLEDGEMENTS

We at Jet City Aircraft would like to thank Steve Halpern and the fine folks at Flight One Software for their assistance and continued support. Additionally, we would like to show our appreciation to the designers of the Iron Knuckles DC-9 package for providing an excellent panel and sound package for the DC-9 and for the inspiration for us to develop the complete DC-9 product line to compliment their product.

PRODUCT SUPPORT

If you need assistance with the Jet City Aircraft DC-9-10, please visit our Jet City Forums and review the **Frequently Asked Questions** section and the **DC-9 Product Support** area. Our staff frequently monitors the forums, and those messages in the Product Support areas are addressed with the highest priority, so you will most certainly receive a quick response.

If you would prefer to e-mail us, you can do so at... customer_support@jetcityaircraft.com

We do tend to discourage e-mail support because the forum support allows for a much more immediate response, but we'll leave the option up to you. With that in mind, please realize that the time it takes to get you an answer via e-mail will vary due to the volume of mail that we receive. Our goal is to get back to you within 12 hours, however, so hang tight and we'll get you all fixed up as soon as we can.

Please note that we do not accept or acknowledge requests for aircraft or repaints via email.

You can also find product updates, enhancements, documentation, and dozens of official Jet City repaints at the **DC-9 Series 10 Product Support** page.

AIRCRAFT REPAINT POLICY

Users are free to repaint the DC-9 airliners provided a few simple conditions are met:

- 1) Abide by all rules and procedures established in our **Repainter Support** area in the Jet City Forums. If you are unsure about any of our policies, please do not hesitate to ask us for clarification.
- 2) Understand that Jet City Aircraft provides no email support for third party repaints.
- 3) Please do not repaint a livery that has already been completed by Jet City Aircraft painters (unless we've really messed one up!). We are certain that folks would appreciate new liveries rather than duplicates of ones that are already available.
- 4) Repainted textures can be made available for free download at any of the major flight simulation libraries, particularly www.avsim.com and www.flightsim.com, although uploads to www.fsplanet.com are strictly prohibited.

An official repaint kit will be available for this aircraft on the DC-9 Series 10 Product Support page at our website. We have tried to keep the repaint process as easy as possible and we offer a **Repainter Support** area in our Jet City Forums to assist you in preparing and properly distributing your repaints. For those individuals wishing to repaint our planes, we appreciate your efforts and look forward to seeing your creations!

We thank you for purchasing The DC-9 Series 10 collection and hope you enjoy the aircraft! Be sure to take advantage of the other aircraft we have available, and be on the lookout for some very exciting future projects from us as well.

Enjoy!

THE JET CITY AIRCRAFT TEAM

May 28, 2005