

JET CITY AIRCRAFT

PRESENTS

JET CITY COLLECTIONS: THE MD-80 and MD-90

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

FEATURING THE MD-81 / MD-82 / MD-83 / MD-87 / MD-88 / MD-90

Jet City Collections: The MD-80 and MD-90 showcases the McDonnell Douglas twinjet family starting with the MD-81 and concluding with the MD-90.

For this project, we have meticulously recreated all models, variants, and engine configurations of the MD-81, MD-82, MD-83, MD-87, MD-88, and MD-90 airliners. All aircraft feature customized visual details and flight dynamics specific to each model and variant, along with individual options on each aircraft as specified by the original delivery airline.

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 of your favorite repaints by visiting our MD-80/MD-90 Product Support pages on our web site. As with all Jet City Aircraft repaints, the ones for the MD-80 and MD-90 are completely free of charge.

Our MD-80 and MD-90 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. Lago *MadDog 2004* owners will be pleased to know that the Jet City MD-80 aircraft will seamlessly integrate with the MadDog package, allowing you to take advantage of their excellent panel and sounds with any of our Jet City MD-80 models.

INSTALLATION

To install the Jet City Aircraft MD-80 and MD-90 package, run the program "JCA_MD-80_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.

If you have *MadDog 2004* from Lago and would like to use the 2D panel and sounds from that package, you need to run a special merge application that will be available in the MD-80/MD-90 Product Support area shortly after the release of *MadDog 2004*.

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.

SETTING UP THE AIRCRAFT

The Jet City Aircraft MD-80 and MD-90 have 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 and Aft Service Door with Animated Catering Trucks	Tail hook up/down **
Lower Cargo Doors Animated Bag Loaders	Wing fold/unfold **
Forward Stairs Extend	Extend Concorde Nose and Visor Fully **
Forward Stairs Retract	Retract Concorde Nose and Visor Fully **
Aft Stairs Extend/Retract	"Shift" + "W" (Stairs will only operate if the anti-collision beacons are OFF)

** 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!

FLYING THE MD-80 and MD-90

There are a few things to remember when flying the Jet City Aircraft MD-80 and MD-90.

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. Any time you fly this airplane, you can specify the weight of the passengers and cargo. Make sure you do not exceed the maximum allowable aircraft weights!

The real MD-80 came in several variants, and ours do, too. Each model has its own unique flying characteristics, so don't expect each plane to perform the same! For example, you'll find that a fully loaded MD-83, with its higher weights, handles quite differently compared to the other lighter models. Do not expect a fully loaded MD-80 to climb at 3000fpm directly to 35,000 feet; it won't do it. The MD-90, on the other hand, has an amazing amount of power and can quickly get away from you if you aren't paying attention. Always think ahead of your airplane.

These aircraft are long airplanes with relatively small wings, which means it takes a little more effort to get them airborne. The key here is trim. Make sure you set it for takeoff or you'll need quite a bit of runway!

The approach and landing phases of flight can be tricky if you are overweight or around the maximum landing weights, so monitor those numbers. For your first few flights, try flying the airplane from a familiar airport with a light load and gradually build up weight as you become comfortable with the airplanes.

Like most other T-tailed, rear-engine aircraft, the MD-80 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 MD-80s have that capability.

Lastly, the MD-80 and MD-90 can be a challenge to taxi due to the long fuselage. Remember that your main gear is your pivot point in turns, and they are quite a ways behind the cockpit, so make your turns slow and wide. It will likely take a little practice to get the feel of the airplane on the ground.

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PRODUCT SUPPORT

If you need assistance with the Jet City Aircraft MD-80 or MD-90, please visit our Jet City Forums and review the **Frequently Asked Questions** section and the **MD-80 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 various **MD-80 Product Support** pages.

AIRCRAFT REPAINT POLICY

Users are free to repaint the MD-80 and MD-90 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 these aircraft on the MD-80 and MD-90 Product Support pages 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 MD-80 and MD-90 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

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