'767 Captain'
FLIGHT MANUAL

PART I - User's Manual

<p align="center" style="color:red">**DO NOT USE FOR FLIGHT**</p>

ABOUT THIS MANUAL

VERSION: 10 NOVEMBER, 2009

WARNING: THIS MANUAL IS DESIGNED FOR MICROSOFT® FSX USE ONLY. DO NOT USE FOR FLIGHT.

The '767 Captain' FLIGHT MANUAL is organized into three Parts.
Each Part is provided as a separate Acrobat® PDF document:

Click START > Programs > Captain Sim > 767 Captain >

- **Part I – User's Manual** - this document.
  o   The User's Manual describes the '767 Captain' Sim product as a software title.

- **Part II – Aircraft and Systems**

- **Part III – Normal Procedures**

- **Part IV – Flight Characteristics and Performance Data**

- **Part V - Flight Management System**

Adobe Acrobat® Reader Required

FOR GENERAL INFORMATION ON THE '767 CAPTAIN' PRODUCT PLEASE USE WWW.CAPTAINSIM.COM .
THIS MANUAL PROVIDES ADDITIONAL INFORMATION ONLY, WHICH IS NOT AVAILABLE ON THE WEB SITE.

CONTENTS

PART I – USER'S MANUAL

DO NOT USE FOR FLIGHT

DO NOT USE FOR FLIGHT

THE BOEING 767 AIRCRAFT

The Boeing 767 family is a complete family of airplanes providing maximum market versatility in the 200- to 300-seat market. The Boeing 767 family includes three passenger models - the 767-200ER, 767-300ER and 767-400ER - and a freighter, which is based on the 767-300ER fuselage.

The twin-engine 767 - sized between the single-aisle 757 and the larger, twin-aisle 777 - has built a reputation among airlines for its profitability and comfort.

The 767-400ER brings significant improvements in operating economics over competing airplanes in the 240- to 300-seat market. The payload capability, intercontinental range, passenger comfort and commonality with other Boeing jetliners give this airplane strong market appeal.

The 767 Freighter is a derivative of the popular 767-300ER (extended range) passenger twinjet. All the advancements in avionics, aerodynamics, materials and propulsion that were developed for passenger versions of the 767 are incorporated in the freighter. Its design provides excellent fuel efficiency, operational flexibility, low-noise levels and an all-digital flight deck.

You can breathe easy with the 767 family. 767s produce less pollutant emissions per pound of fuel than any comparably sized jetliner, including the A330-200. When combined with the fact that the 767 also burns significantly less fuel, the 767 is truly the "clear" winner. The 767 family is cleaner than industry standards for all categories of emissions -- nitrogen oxides, hydrocarbons, smoke and carbon monoxide.

More information on the Boeing 767 aircraft

767-300 Base Pack

The **767-300 Base Pack** delivers the following features for all of the '767 Captain' models:

- 767-300 exterior models
- Interior models (VC)
- 2D panels
- Systems and flight instruments
- Authentic Sound Set

SPECIFICATION

The **767-300 Base Pack** is available as a separate product at www.captainsim.com

File Name: csx767_XX00.exe

Size: ~68 MB

INSTALLATION

1. Right after a purchase you will receive an automated email message from Captain Sim Sales with your Order Number and download links.

    Note:
    - How to get the product download links if you did not receive our email receipts?
        - Please check-in to Your Profile
        - In Your Profile click: **Product Name > Extended Download Service** and download the product.

    - Please keep your ORDER NUMBER safe. You will need it for future re-install, updates etc.

2. Download the .exe file to any folder. Please backup the files to avoid the extra charge in future please keep your downloads and Check-in info safe!

3. Double click on the .exe file and follow the prompts.

    Note:
    - YOUR PC MUST BE CONNECTED TO THE INTERNET FOR THE INSTALLATION.

    - ORDER NUMBER IS REQUIRED FOR THE INSTALLATION.

    - The installation software will automatically add the '767-300 Base Pack' to your MSFS.

    - Upon installing the models will appear as 'Boeing 767-300' under 'Boeing' manufacturer, 'Captain Sim' publisher in the MSFS aircraft selection menu.

    - Links to Manuals and Uninstall will be available via:
      START > Programs > Captain Sim > 767 Captain >

UNINSTALLATION

Click START > Programs > Captain Sim > 767 Captain > 767-300 Base Pack > Uninstall

    Note:
    The *767 Captain Expansion Models* will not work after the 767-300 Base Pack deinstallation.

SYSTEMS

See FLIGHT MANUAL Part II – Aircraft Systems for details.

2D PANELS

'ICONS' CONTROL 2D PANEL

Press Shift+1 to show/hide the 'ICONS' CONTROL PANEL.

The Icons Control Panel designed to manage 2D panels and Views.

	The icons legend:	*Keys*
	1A -- Model Animation Control Panel	Shift+3
	1B -- Overhead panel	Shift+6
	2A -- CDU Panel	Shift+7
	2B -- Lighting Control Panel	-
	3A -- EFIS Control panel	Shift+5
	3B -- Autopilot Control Panel	Shift+9
	4A -- Radio Stack panel	Shift+8
	4B -- IRS Control Panel	-
	5A -- Control Wheel panel	-
	5B – Pedestal Control Panel	Shift+4
	6A -- MSFS Notepad window	F10
	6B -- MSFS ATC window	~
	7A – External Power Control	-
	7B – Bleed Air Control	-
	8A -- Exit the Control panel	-
	8B – Radar Control Panel	-

CAPTAIN VIEW PANEL

Day and Night version of the 1600x1200 High Resolution Captain View 2D Panel is included.

Day   Night, Glareshield Lights ON   Night, Glareshield Lights OFF

See FLIGHT MANUAL Part II – Aircraft Systems, Part V – FMS for details.

DO NOT USE FOR FLIGHT

OVERHEAD PANEL

Press Shift+6 or its icon to show/hide the panel.

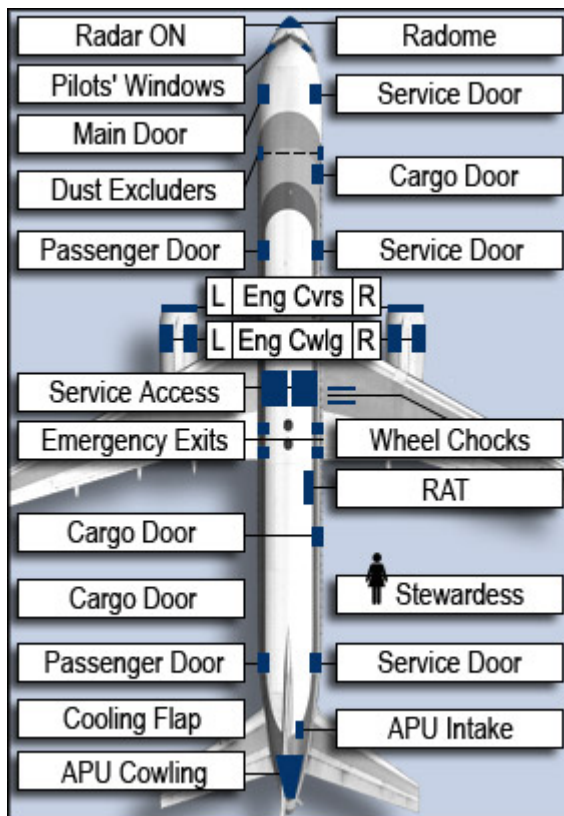Day and Night version of the 1600x1200 High Resolution Overhead 2D Panel is included.

Day   Night

See FLIGHT MANUAL Part II – Aircraft Systems, Part V – FMS for details.

MODEL ANIMATION CONTROL PANEL

Press Shift+2 or its icon to show/hide the panel.

Press any white label/button to initiate the corresponding animation of the Exterior Model. The initiated animation button will turn green.

Notes:

- You cannot put the ENGINE COVERS if an engine is running.

- You cannot open ENGINE COWLINGS and put DUST EXCLUDERS inflight.

- If your speed is more than 0 KIAS you cannot set the WHEEL CHOCKS.

Available animations key combinations:
Main Door - Sift+E

DO NOT USE FOR FLIGHT

WINGLETS

The 767-300ER can be retrofitted with blended winglets from Aviation Partners Boeing. These winglets are 11 ft (3.4 m) long and will decrease fuel consumption an estimated 6.5% on the -300ER

External View

The Winglets are available for both, VC Passenger Views and all external views.

PRE-SAVED FLIGHTS

Two flights are included into the '767-300 Base Pack':
1. 767-300 Captain Cold-n-Dark (KSEA)
2. 767-300 Captain Cleared for takeoff (KSEA)

To load a flight:
1. Start FSX
2. Click 'Load'
3. Select any of two flights.
4. Click 'Fly Now'

OR if FSX is already started, any other flight loaded:
1. Go to Main FSX Menu – Flights
2. Click 'Load'
3. Select any of two flights.
4. Click 'Fly Now'
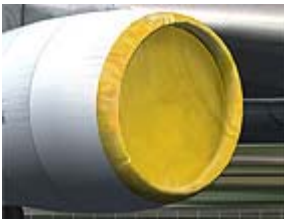
MISCELLANEOUS FEATURES

EXTERIOR MODELS

Animations

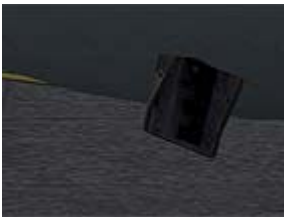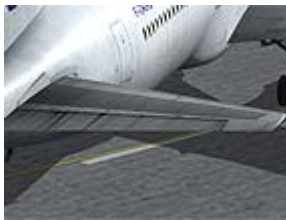|		
Compressor Fans (2)	Engine Cowling (4)	Engine Exhaust Covers (2)
Engine Intake Covers (2)	Passenger Door (3)	Pilots' Windows (2)
Wheel Chocks (6)	Landing Gear Doors (8)	APU Cowling
Cooling Flap	Tail Skid	Emergency Exits (2)
Nose Wheel Steering	Starboard Aft Lower Left Cargo Door	Starboard Aft Lower Cargo Door

DO NOT USE FOR FLIGHT

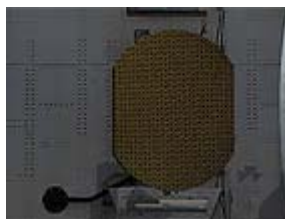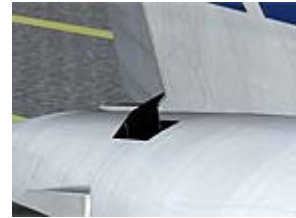|		
Stewardess	Inboard Ailerons (2)	Outboard Ailerons (2)
Elevator (2)	Rudder	Engine Reverser (2)
Starboard Fwd Lower Cargo Door	Plugs (6)	Spoilers (12 sections)
Wing Flaps (6 sections)	Wing Slats (4 sections)	Stabilizer
Randome	Radar Antenna	Ram Air Turbine
Main Landing Gear	Nose Gear	Wipers (2)

DO NOT USE FOR FLIGHT
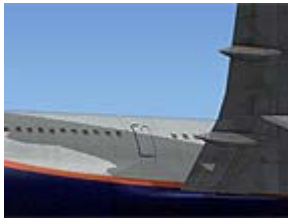

Service Access

Service Door (3)

APU Intake

Misc Features

Custom Self-shade
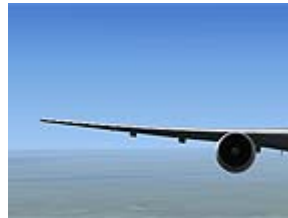
Wing Flex

Wing Vortices

Landing Light Bloom

Taxi Light Bloom

Preselected Custom Views
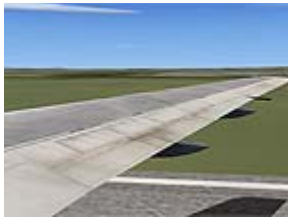
Right Side Window
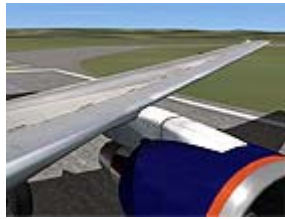
Left Side Window

Landing Gear

Nose
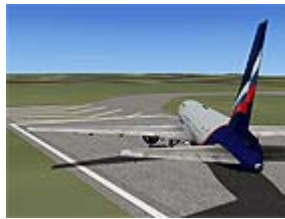
Tail

Right Wing

Left Wing

VIRTUAL COCKPIT

Animations

Books (3)	Pilot's seat (2) (up-down, forward-backward)	Control Wheel Clipboard (2)
Transparent Spare Bulbs Cover	Rudder Pedals Adjustment Crank (2)	Pilots Window (2)
Emergency Exits (2)	Pilot's Seat Armrest (4)	Flight Deck Door
Wipers (2)	Control Wheel and Column (2)	Pilot's Headrest (2)
Auxillary Panel Table	Passenger/Service Door (6)	Door Handles (6)

DO NOT USE FOR FLIGHT

Nose Wheel Steering Control Handle	Windshield Handle (2)	Pilot's Window Handle and Mechanism (2)
Sun Shield (4) (Click mount to show/hide)	Control Wheel Trim Switch (4)	Rudder Pedals (4)
Landing Gears Lever	Flaps Control Lever	Stab Trim Control Lever (2)
Engine Control Lever (2)	Engine Reverser Control Lever (2)	Parking Brakes Control Lever
Engine Fuel Shutoff Handle (3)	Engine Fuel Cutoff Handle (2)	Control Wheel AP Switch (2)

DO NOT USE FOR FLIGHT

Buttons (23)

Guarded Switches (6)

Selectors (56)

Switches (36)

Knobs (73)
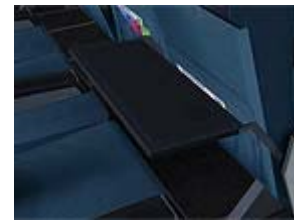
Seat Tables (18)

Pilot's Coat

Passenger Seat (18)

Armrest (24)

Overhead compartment (100)

Blinds (68)

Lavatory Door (5)

Misc Features

Galley Self-Shadow

Cabin Self-Shadow

VC Self-Shadow

Exclusive Light Effects – Galley Bloom

Exclusive Light Effects – Lavatory Bloom

Exclusive Light Effects – VC Bloom

Preselected Custom Views

Virtual Cockpit

Captain

First Officer

Overhead

Pedestal

Jump Seat

Aft Galley

Business Class Cabin

Coach Class Cabin

Engine Controls

Center Galley

Forward Galley

CRT Displays Brightness Control

All CRT displays (ADI, HSI, EICAS) brightess can be controlled gradually and independently

| Maximum brightness | Medium brightness | Medium brightness | Minimum brightness |

For details see Manual Part II 'Aircraft Systems:
EICAS: P2. Control Panel, Brightness Knobs
ADI: P8. EFIS Control Panel, ADI Brightness (BRT) Control
HSI: P8. EFIS Control Panel, HSI Brightness (BRT) Control

767-200 Expansion Model

The '767-300 Base Pack' is required!

The **767-200 Expansion Model** delivers 767-200 exterior models for 767-300 Base Pack.

This part of the manual describes the 767-200 specific features only.

SPECIFICATION

The **767-200 Expansion Model** is available as a separate product at www.captainsim.com

File Name: csx762_XX00.exe

Size: ~9 MB

INSTALLATION

1. Right after a purchase you will receive an automated email message from Captain Sim Sales with your Order Number and download links.

    Note:
    - How to get the product download links if you did not receive our email receipts?
        - Please check-in to Your Profile
        - In Your Profile click: **Product Name > Extended Download Service** and download the product.

    - Please keep your ORDER NUMBER safe. You will need it for future re-install, updates etc.

2. Download the .exe file to any folder. Please backup the files to avoid the extra charge in future please keep your downloads and Check-in info safe!

3. Double click on the .exe file and follow the prompts.

    Note:
    - YOUR PC MUST BE CONNECTED TO THE INTERNET FOR THE INSTALLATION.

    - ORDER NUMBER IS REQUIRED FOR THE INSTALLATION.

    - The installation software will automatically add the '767-200 Expansion Model' to your MSFS.

    - Upon installing the models will appear as 'Boeing 767-200' under 'Boeing' manufacturer, 'Captain Sim' publisher in the MSFS aircraft selection menu.

UNINSTALLATION

Click START > Programs > Captain Sim > 767 Captain > 767-200 > Uninstall

Note:
The *767-200 Expansion Model* will not work if the 767-300 Base Pack is not installed.

SYSTEMS

See FLIGHT MANUAL Part II – Aircraft Systems for details.

DO NOT USE FOR FLIGHT

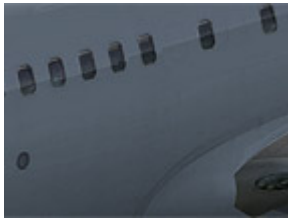## HOW IS THE 767-200 MODEL DIFFERENT FROM 767-300 MODEL

Aircraft body 6,4 meters shorter

No Starboard Fwd Service Door

Narrower Starboard Fwd Cargo Door

No Portside Passenger Door

Different Passenger Windows Position

DO NOT USE FOR FLIGHT

767 Freighter Expansion Model

The '767-300 Base Pack' is required!

The **767 Freighter Expansion Model** delivers 767 Freigher exterior model for 767-300 Base Pack.

This part of the manual describes the 767 Freighter specific features only.

SPECIFICATION

The **767 Freighter Expansion Model** is available as a separate product at www.captainsim.com

File Name: csx765_XX00.exe

Size: ~10 MB

INSTALLATION

1. Right after a purchase you will receive an automated email message from Captain Sim Sales with your Order Number and download links.

   Note:
   - How to get the product download links if you did not receive our email receipts?
     - Please check-in to Your Profile
     - In Your Profile click: **Product Name > Extended Download Service** and download the product.

   - Please keep your ORDER NUMBER safe. You will need it for future re-install, updates etc.

2. Download the .exe file to any folder. Please backup the files to avoid the extra charge in future please keep your downloads and Check-in info safe!

3. Double click on the .exe file and follow the prompts.

   Note:
   - YOUR PC MUST BE CONNECTED TO THE INTERNET FOR THE INSTALLATION.

   - ORDER NUMBER IS REQUIRED FOR THE INSTALLATION.

   - The installation software will automatically add the '767 Freighter Expansion Model' to your MSFS.

   - Upon installing the models will appear as 'Boeing 767 Freighter' under 'Boeing' manufacturer, 'Captain Sim' publisher in the MSFS aircraft selection menu.

UNINSTALLATION

Click START > Programs > Captain Sim > 767 Captain > 767 Freighter > Uninstall

   Note:
   The *767 Freighter Expansion Model* will not work if the 767-300 Base Pack is not installed.

DO NOT USE FOR FLIGHT

SYSTEMS

See FLIGHT MANUAL Part II – Aircraft Systems for details.

2D PANELS

'ICONS' CONTROL 2D PANEL
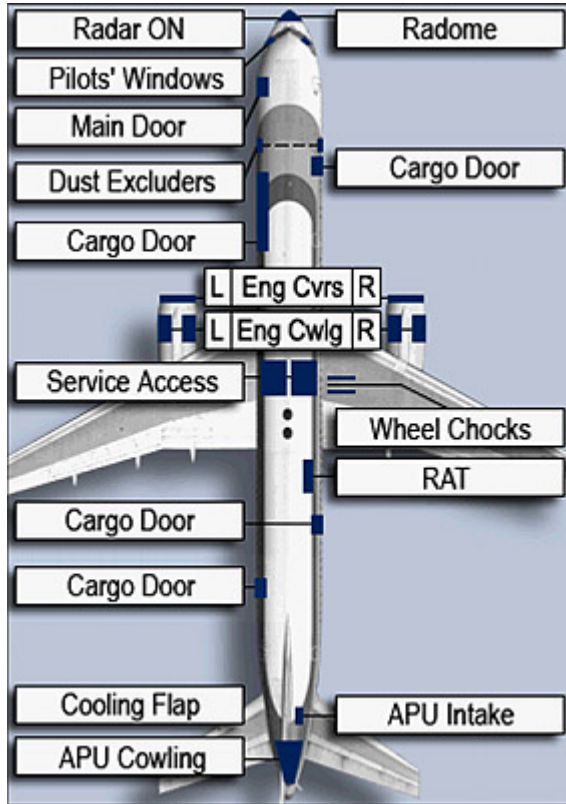
Press Shift+1 to show/hide the 'ICONS' CONTROL PANEL.

The Icons Control Panel designed to manage 2D panels and Views.

A	*B*	*The icons legend:*	*Keys*

	1A -- Model Animation Control Panel	Shift+3
	1B -- Overhead panel	Shift+6
	2A -- CDU Panel	Shift+7
	2B -- Lighting Control Panel	-
	3A -- EFIS Control panel	Shift+5
	3B -- Autopilot Control Panel	Shift+9
	4A -- Radio Stack panel	Shift+8
	4B -- IRS Control Panel	-
	5A -- Control Wheel panel	-
	5B -- Pedestal Control Panel	Shift+4
	6A -- Lower Deck Load Manager Control Panel	-
	6B -- Main Deck Load Manager Control Panel	-
	7A -- External Power Control	-
	7B -- Bleed Air Control	-
	8A -- Exit the Control panel	-
	8B -- Radar Control Panel	-

MODEL ANIMATION CONTROL PANEL

Press Shift+2 or its icon to show/hide the panel.

Press any white label/button to initiate the corresponding animation of the Exterior Model. The initiated animation button will turn green.

Notes:

- You cannot put the ENGINE COVERS if an engine is running.

- You cannot open ENGINE COWLINGS and put DUST EXCLUDERS inflight.

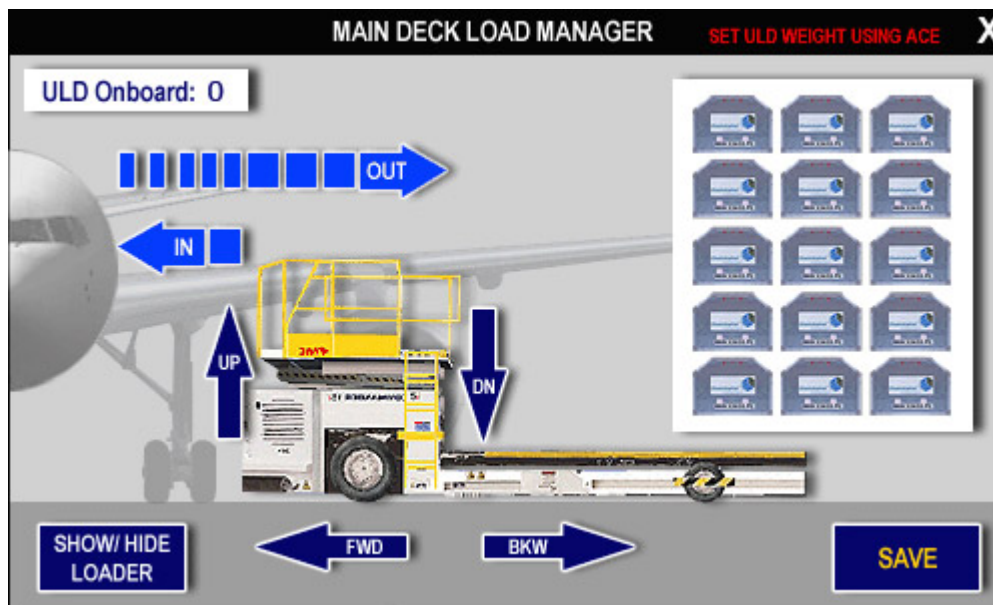- If your speed is more than 0 KIAS you cannot set the WHEEL CHOCKS.

Available animations key combinations:
Main Door - Sift+E

LOAD MANAGERS

Two Load Manager Control panels provide independent real-time operation of the animated Aircraft Loaders. Use 'ICONS' CONTROL PANEL (Shift+2) to show/hide Load Manager panels.

MAIN DECK LOAD MANAGER

ULD Onboard
Indicates the number of Unit Load Devices onboard.

IN/OUT Pointers
Press the corresponding pointer to upload/unload the units to/from the main cargo deck.

<div align="center">Note:</div>

Main Cargo Door should be open for loading. Use Model Animation Control 2D Panel (Shift+3).

15 Units Selection
Click on any available unit to load it on the Aircraft Loader. The loader should be back on the loading area with a lift lowered.

UP/DN Pointers
Press the corresponding pointer to move the Lift up or down.

FWD/BKW Pointers
Press the corresponding pointer to drive the Loader between an aircraft and loading area.

Show/Hide Loader
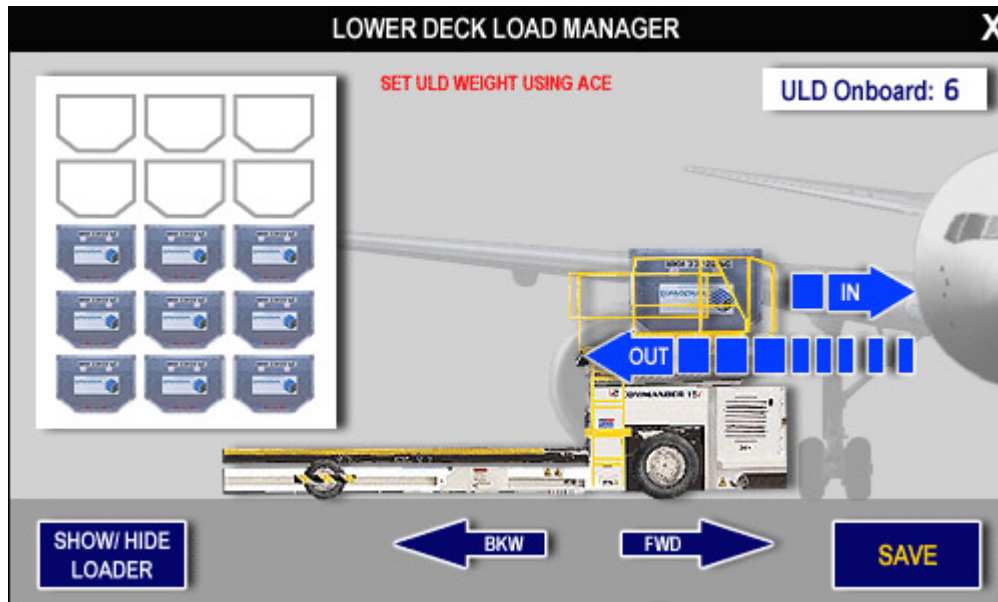Press the button to show/hide the Loader.

<div align="center">Note:</div>

Make sure aircraft is on parking brakes. If an aircraft start rolling with the Loaders shown they will be hidden automatically.

Press SAVE button to save changes in cargo settings.

LOWER DECK LOAD MANAGER

Same as **MAIN DECK LOAD MANAGER** except UP/DN Pointers.

HOW IS THE 767 FREIGHTER MODEL DIFFERENT FROM 767-300 MODEL

Authentic Freighter Flight Deck
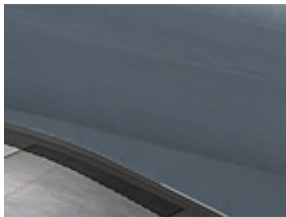

Animations

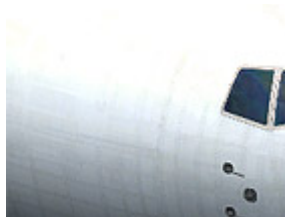| Main Cargo Door – Exterior Model | Lower Cargo Deck Door – VC | Main Cargo Deck Door – VC |

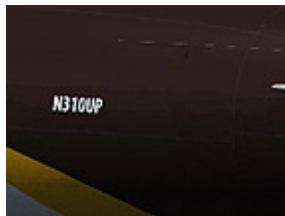**Exterior Model**

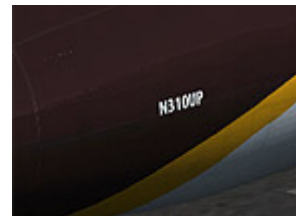| No Emergency Exits | No Fwd Starboard Service Door | No Middle Portside Passenger Door |

| No Middle Starboard Service Door | No Aft Portside Passenger Door | No Aft Starboard Service Door |

No Passenger Windows

DO NOT USE FOR FLIGHT

Preselected Custom Views - VC

Galley

Supernumerary Seats

Cargo Deck

Lower Cargo Deck
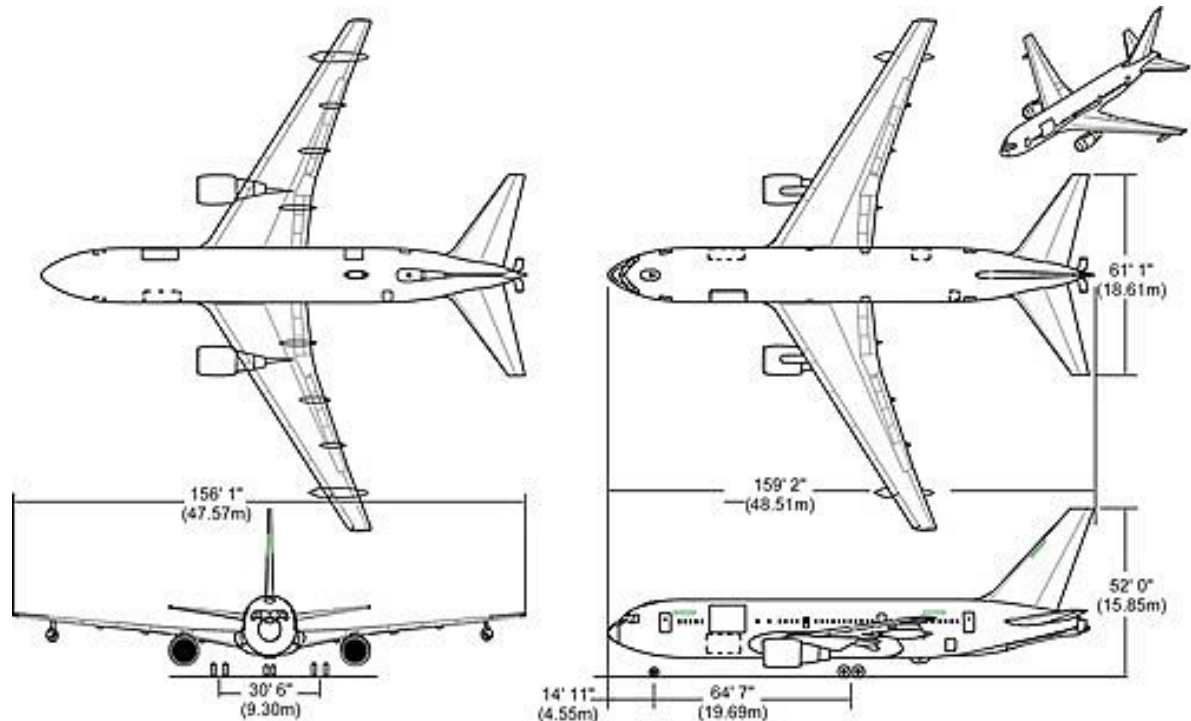
DO NOT USE FOR FLIGHT

KC-767A Expansion Model

The '767-300 Base Pack' is required!

The **KC-767A Expansion Model** delivers KC-767A exterior model for 767-300 Base Pack.

This part of the manual describes the KC-767A specific features only.

THE BOEING KC-767 AIRCRAFT

The Boeing KC-767 is a military aerial refueling and strategic transport aircraft developed from the Boeing 767-200. The tanker received the designation KC-767A in 2002 after being selected by the US Air Force initially to replace older KC-135Es. In December 2003, the contract was frozen and later canceled due to corruption allegations.

The tanker is currently being developed for use by the Italian and Japanese air forces, who have ordered four tankers each. Financing of the development of the aircraft, over $1 billion, has been borne by Boeing, in that it hoped to get major orders from the U.S. Air Force.

For the KC-X competition, Boeing offered a KC-767 based on the forthcoming 767-200 Long Range Freighter. In February 2008 the DoD selected Northrop Grumman/EADS's KC-30 offering, now officially designated the KC-45A. The Boeing Company submitted a protest to the Air Force's decision on 11 March 2008. The United States Government Accountability Office upheld their protest on 18 June, placing the status of the KC-45A in doubt and allowing for a rebid of the contract by Boeing. However in September 2008, the KC-X bidding was canceled.

In September 2009, the USAF announced it would again start the bidding process for the new refueler.

More information on the Boeing KC-767 aircraft

DO NOT USE FOR FLIGHT

SPECIFICATION

The **KC-767A Expansion Model** is available as a separate product at www.captainsim.com

File Name: csx766_XX00.exe

Size: ~9 MB

INSTALLATION

1. Right after a purchase you will receive an automated email message from Captain Sim Sales with your Order Number and download links.

    Note:
    - How to get the product download links if you did not receive our email receipts?
        - Please check-in to Your Profile
        - In Your Profile click: **Product Name > Extended Download Service** and download the product.

    - Please keep your ORDER NUMBER safe. You will need it for future re-install, updates etc.

2. Download the .exe file to any folder. Please backup the files to avoid the extra charge in future please keep your downloads and Check-in info safe!

3. Double click on the .exe file and follow the prompts.

    Note:
    - YOUR PC MUST BE CONNECTED TO THE INTERNET FOR THE INSTALLATION.

    - ORDER NUMBER IS REQUIRED FOR THE INSTALLATION.

    - The installation software will automatically add the 'KC-767A Expansion Model' to your MSFS.

    - Upon installing the models will appear as 'Boeing KC-767A' under 'Boeing' manufacturer, 'Captain Sim' publisher in the MSFS aircraft selection menu.

UNINSTALLATION

Click START > Programs > Captain Sim > 767 Captain > KC-767A Tanker > Uninstall

Note:
The *KC-767A Expansion Model* will not work if the 767-300 Base Pack is not installed.

SYSTEMS

See FLIGHT MANUAL Part II – Aircraft Systems for details.

DO NOT USE FOR FLIGHT

2D PANELS

'ICONS' CONTROL 2D PANEL

Press Shift+1 to show/hide the 'ICONS' CONTROL PANEL.

The Icons Control Panel designed to manage 2D panels and Views.

	A	*B*		*The icons legend:*	*Keys*
1	A	OH	1A -- Model Animation Control Panel		Shift+3
			1B -- Overhead panel		Shift+6
2	CDU	☀	2A -- CDU Panel		Shift+7
			2B -- Lighting Control Panel		-
3	EFIS	AP	3A -- EFIS Control panel		Shift+5
			3B -- Autopilot Control Panel		Shift+9
4	A²	IRS	4A -- Radio Stack panel		Shift+8
			4B -- IRS Control Panel		-
5	⊞	P	5A -- Control Wheel panel		-
			5B -- Pedestal Control Panel		Shift+4
6	✓	↻	6A -- MSFS Notepad window		F10
			6B -- MSFS ATC window		~
7	E	BA	7A -- External Power Control		-
			7B -- Bleed Air Control		-
8	▯	RDR	8A -- Refuel Control Panel		-
			8B -- Radar Control Panel		-
9	✗	✖	9A -- Exit the Control panel		-
			9B -- Panel Drag-n-drop		-

MODEL ANIMATION CONTROL PANEL

Press Shift+2 or its icon to show/hide the panel.

Press any white label/button to initiate the corresponding animation of the Exterior Model. The initiated animation button will turn green.

Notes:

- You cannot put the ENGINE COVERS if an engine is running.

- You cannot open ENGINE COWLINGS and put PLUGS inflight.

- If your speed is more than 0 KIAS you cannot set the WHEEL CHOCKS.

Available animations key combinations:
Main Door - Sift+E

REFUEL CONTROL PANEL

This panel is used for refueling system elements control. Use Icons Control Panel (Shift+2) or go to FSX Main Menu > Views > Instrument Panel to show up Refuel Control Panel.
Please note: refueling system elements cannot be retracted on the ground.
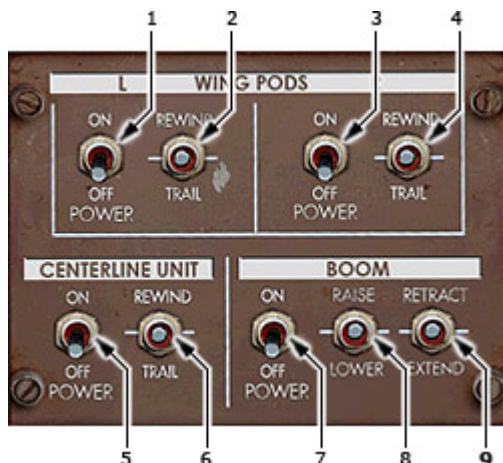
1. Left Wing Pods Control POWER Switch

2. Left Wing Pods Control Switch

3. Right Wing Pods Control POWER Switch

4. Right Wing Pods Control Switch

5. Centerline Unit POWER Switch

6. Centerline Unit Switch

7. Boom POWER Switch

8. Boom RAISE/LOWER Switch

9. Boom RETRACT/EXTEND Switch

HOW IS THE KC-767A MODEL DIFFERENT FROM 767-300 MODEL

Centerline Unit

Antennas (4)

Receiver
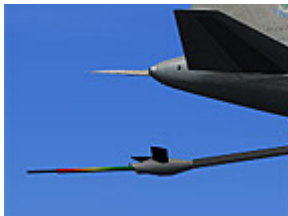
Boom

Wing Pods

Wing Vortex Generators

No Second Emergency Exits

No Middle Starboard Service Door

No Middle Portside Passenger Door

No Passenger Windows

Narrower Starboard Fwd Cargo Door

DO NOT USE FOR FLIGHT

E-767AWACS Expansion Model

The '767-300 Base Pack' is required!

The **E-767AWACS Expansion Model** delivers E-767AWACS exterior model for 767-300 Base Pack.

This part of the manual describes the E-767AWACS specific features only.

THE BOEING E-767 AIRCRAFT

The Boeing E-767 is an Airborne Early Warning and Control aircraft. It was designed in response to the Japan Air Self-Defense Force's requirements, and is essentially the E-3 Sentry mission package on a Boeing 767-200 platform.

In 1976, the United States Air Force was about to deploy the E-3 Sentry airborne warning and control system aircraft, which was considered to be the prime candidate for the airborne early warning mission by JASDF. However, the Japan Defense Agency (JDA, now Ministry of Defense) realized that the E-3 would not be readily available due to the needs of USAF and opted to procure the E-2 Hawkeye instead. The E-2C was put into service with the Airborne Early Warning Group (AEWG) at JASDF Misawa Air Base in January 1987.

In 1991, the JDA requested funds to upgrade the airborne early warning system procuring the E-3. Unfortunately, production of the Boeing 707-based E-3 airframe had ended in 1991 and the plan was shelved. The following year, Boeing proposed a 767-based AWACS, and the JDA agreed to procure two E-767 in fiscal year 1993 and two more in fiscal year 1994.

Due to the sensitivity of the AWACS mission, description of mission equipment is limited. The base airframe for E-767 is that of a 767-200ER, Boeing designation 767-27C. (The "7C" designation indicates the aircraft was originally delivered to the Japanese government.) The E-767 offers 50 percent more floor space and nearly twice the volume of the E-3. Mission equipment is installed in forward cabin to balance the weight with the rotodome on the aft fuselage. The aft cabin contains the crew rest area, galley and lavatory.

The system on E-767 is essentially the same as the late E-3 models, using Northrop Grumman's (formerly Westinghouse Electronic Systems) AN/APY-2 radar system. This system is a three dimensional radar that measures azimuth, range, and elevation simultaneously, and has superior surveillance capability over water compared to the AN/APY-1 system on the earlier E-3 models.

The AN/APY-2 is a pulse-doppler radar that can determine the velocity of a tracked target. This surveillance system includes a flexible, multi-mode radar, which enables AWACS to separate maritime and airborne targets from ground and sea clutter returns that limit other modern radar systems.

Its radar has a 360-degree view, and at operating altitudes it can detect targets more than 320 kilometers (200 miles) away. AWACS mission equipment can separate, manage and display these targets individually on situational displays.

AN/APY-2's antenna and Identification Friend or Foe (IFF) Mk XII system's antenna are housed in the rotodome back to back.

The information acquired by the radar system is processed by IBM's CC-2E central computer conformed to E-3 Block 30/35 Modification and can be displayed on the 14 displays onboard.

Other major subsystems in the E-767 are identification, tactical data link, and navigation.

More information on the Boeing E-767 aircraft

SPECIFICATION

The **E-767AWACS Expansion Model** is available as a separate product at www.captainsim.com

File Name: csx761_XX00.exe

Size: ~7 MB

INSTALLATION

1.   Right after a purchase you will receive an automated email message from Captain Sim Sales with your Order Number and download links.

Note:
- How to get the product download links if you did not receive our email receipts?
    - Please check-in to Your Profile
    - In Your Profile click: **Product Name > Extended Download Service** and download the product.

- Please keep your ORDER NUMBER safe. You will need it for future re-install, updates etc.

2.   Download the .exe file to any folder. Please backup the files to avoid the extra charge in future please keep your downloads and Check-in info safe!

3.   Double click on the .exe file and follow the prompts.

Note:
- YOUR PC MUST BE CONNECTED TO THE INTERNET FOR THE INSTALLATION.

- ORDER NUMBER IS REQUIRED FOR THE INSTALLATION.

- The installation software will automatically add the 'E-767AWACS Expansion Model' to your MSFS.

- Upon installing the models will appear as 'Boeing 767 AWACS ' under 'Boeing' manufacturer, 'Captain Sim' publisher in the MSFS aircraft selection menu.

UNINSTALLATION

Click START > Programs > Captain Sim > 767 Captain > E-767AWACS > Uninstall

Note:
The *E-76AWACS Expansion Model* will not work if the 767-300 Base Pack is not installed.

SYSTEMS

See FLIGHT MANUAL Part II – Aircraft Systems for details.

DO NOT USE FOR FLIGHT

2D PANELS

'ICONS' CONTROL 2D PANEL

Press Shift+1 to show/hide the 'ICONS' CONTROL PANEL.

The Icons Control Panel designed to manage 2D panels and Views.

	A	*B*	*The icons legend:*	*Keys*
1	A	OH	1A -- Model Animation Control Panel	Shift+3
			1B -- Overhead panel	Shift+6
2	CDU	💡	2A -- CDU Panel	Shift+7
			2B -- Lighting Control Panel	-
3	EFIS	AP	3A -- EFIS Control panel	Shift+5
			3B -- Autopilot Control Panel	Shift+9
4	A	IRS	4A -- Radio Stack panel	Shift+8
			4B -- IRS Control Panel	-
5	📖	P	5A -- Control Wheel panel	-
			5B -- Pedestal Control Panel	Shift+4
6	✓	🌐	6A -- MSFS Notepad window	F10
			6B -- MSFS ATC window	~
7	E	BA	7A -- External Power Control	-
			7B -- Bleed Air Control	-
8	📡	RDR	8A -- Rotodome Control Panel	-
			8B -- Radar Control Panel	-
9	X	✕	9A -- Exit the Control panel	-
			9B -- Panel Drag-n-drop	-

MODEL ANIMATION CONTROL PANEL

Press Shift+2 or its icon to show/hide the panel.

Press any white label/button to initiate the corresponding animation of the Exterior Model. The initiated animation button will turn green.

Notes:

- You cannot put the ENGINE COVERS if an engine is running.

- You cannot open ENGINE COWLINGS and put PLUGS inflight.

- If your speed is more than 0 KIAS you cannot set the WHEEL CHOCKS.

Available animations key combinations:
Main Door - Sift+E

ROTODOME CONTROL PANEL

This panel is used for randome antenna spinning control. Use Icons Control Panel (Shift+2) or go to FSX Main Menu > Views > Instrument Panel to show up Rotodome Control Panel.
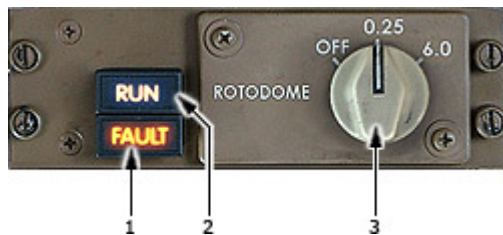
1. Rotodome FAULT Light

2. Rotodome RUN Light.

3. Rotodome Control Switch – controls rotodome switching and rotation speed (revo)

HOW IS THE E-767AWACS MODEL DIFFERENT FROM 767-300 MODEL

Antennas (5)

Rotodome

Wing Vortex Generators

Wing Antennas (2)

No Middle Starboard Service Door

No Middle Portside Passenger Door

Narrower Starboard Fwd Cargo Door

No Second Emergency Exits

No Passenger Windows

DO NOT USE FOR FLIGHT

ACE (AIRCRAFT CONFIGURATION EDITOR) UTILITY

The ACE utility is included in the **767-300 Base Pack** and provides the following features:

1. Add new '767 Captain' liveries to FSX.
2. Preview any existing (installed) '767 Captain' livery.
3. Delete any existing '767 Captain' Sim livery from FSX.
4. Edit AIRCRAFT VARIATION text.
5. Edit DESCRIPTION text.
6. Manage selection of the model variations.
7. Number of PREFLIGHT settings features.
8. Number of troubleshooting features.

'FLEET' TAB

The **FLEET** tab contains two vertical tabs: **ADD NEW** and **EXISTING**.

'ADD NEW' TAB
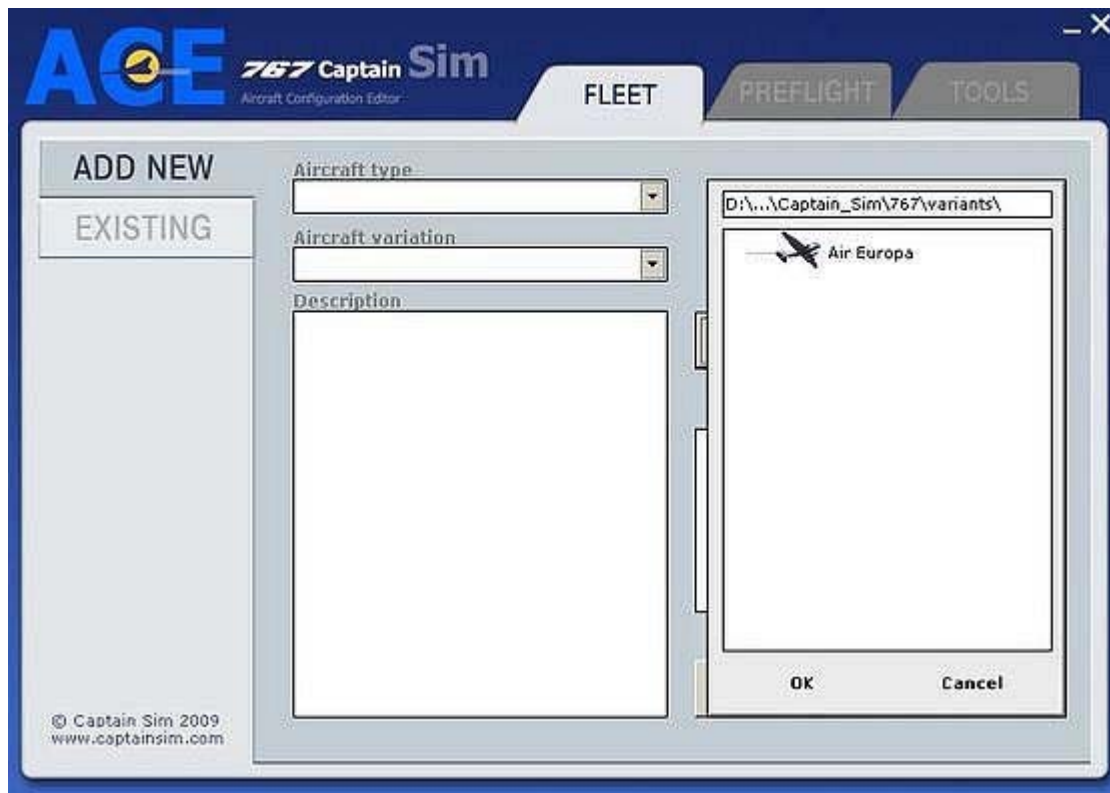
The ADD NEW vertical tab helps you to add new '767 Captain' Sim livery to MS FS.

HOW TO ADD NEW XYZ LIVERY?

1. Make sure your Flight Simulator is not running.

2. Create folder in **[MS FS Root Folder]/Captain_Sim/767/variants** folder.

3. Download new 767 livery archive to the created folder:
   [MS FS Root Folder]/Captain_Sim/767/variants/XYZ

---

4. Unzip all content of the downloaded archive to <u>the same</u> folder: **[MS FS Root Folder]/Captain_Sim/767/variants/XYZ**

5. Make sure all textures bmp files and *Description.txt* and *xyz.jpg* files are present and located in the XYZ folder.

6. Start ACE (double-click on the ACE shortcut located at your desktop or go START>PROGRAMS>CAPTAIN SIM> 767 CAPTAIN > ACE.

7. Press 'ADD NEW' tab.

8. Press SELECT VARIATION button and select the variation you want to add. Press OK.

The new variation's image should appear in preview window. Also the new variation info and description should appear in the text fields.

9. Press ADD VARIATION button.

Done! The new variation will appear in your MS FS under Boeing manufacturer Captain Sim publisher.

'EXISTING' TAB

The EXISTING tab helps you to manage existing (installed to MS FS) '767 Captain' Sim liveries:

HOW TO EDIT LIVERY DESCRIPTION?

1. Press 'EXISTING' tab button.

Note
You can modify text in description field. You cannot change Aircraft type and Aircraft variation.

2. Select 'AIRCRAFT TYPE'.

DO NOT USE FOR FLIGHT

3. Select 'AIRCRAFT VARIATION'.

4. Now you can edit texts for the selected livery. When finished, press **'**SAVE CHANGES' button to save the changes.

HOW TO DELETE A LIVERY?

1. Press "EXISTING" tab button.

2. Select 'AIRCRAFT TYPE'.

3. Select 'AIRCRAFT VARIATION'.

4. Press 'DELETE VARIATION' button. Pressing 'Yes' button when asked 'Are you sure you want to delete "…" variation?' will delete the selected variation from your '767 Captain' fleet. No backup copy will be saved.

MODEL SELECTION:

- **Windshield reflection**
    o   Checkbox ticked – windshield reflection is available on **all** 767 models.
    o   No tick in checkbox – no windshield reflection on **all** 767 models.

- **Flight Deck Only***
    o   Checkbox ticked – no passenger cabin on **all** 767 models.
    o   No tick in checkbox – passenger cabin will be present on **all** 767 models.

- **Winglets**
    o   Checkbox ticked – winglets will appear on **selected** 767 model and livery.
    o   No tick in checkbox – no winglets on **selected** 767 model and livery.

* Not availabe for 767 Freiter, KC-767A and E-767AWACS Expansion Models

Press SAVE CHANGES to save all settings.
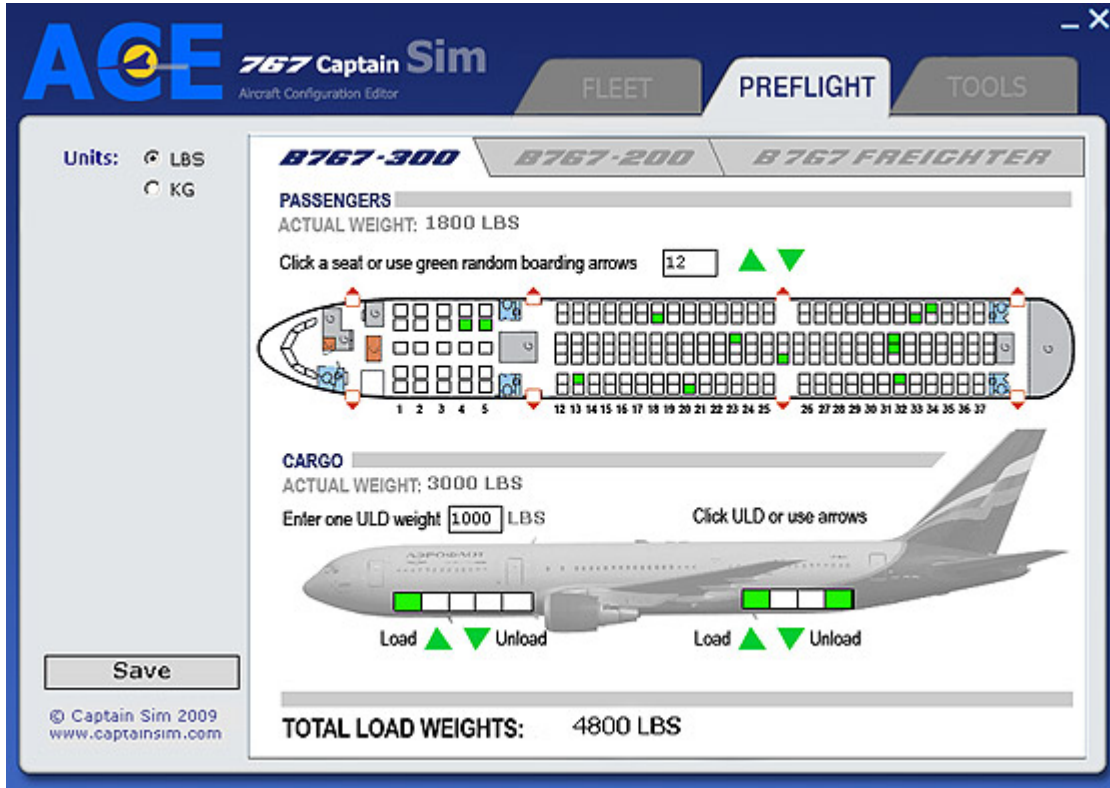
DO NOT USE FOR FLIGHT

'PREFLIGHT' TAB

Use for payload settings of the 767 models available in 767-300 Base Pack and 767-200 and Freighter Expansion Packs.

Note:
When you open this tab ACE always reads 0 KG/LBS regardless of your previous load settings.

'B767-300'/'B767-200' TABS

Use radio button to select Measurement System – LBS (pounds) or KG (kilograms).

Passengers

Click a seat or use green random boarding arrows or enter a number of passengers in the field. Actual weight will be displayed.

Cargo

Enter one ULD weight. Click ULD section image or use green arrows to load/unload cargo on the lower deck. Actual cargo weight will be displayed.

Total Load Weights – displays current total load weight (PAX + Cargo).

Note:
No fuel included/calculated. For fuel load management use FSX default utilities.

Press 'SAVE' Button. All load settings apply to selected 767 models.

'B767 FREIGHTER' TAB
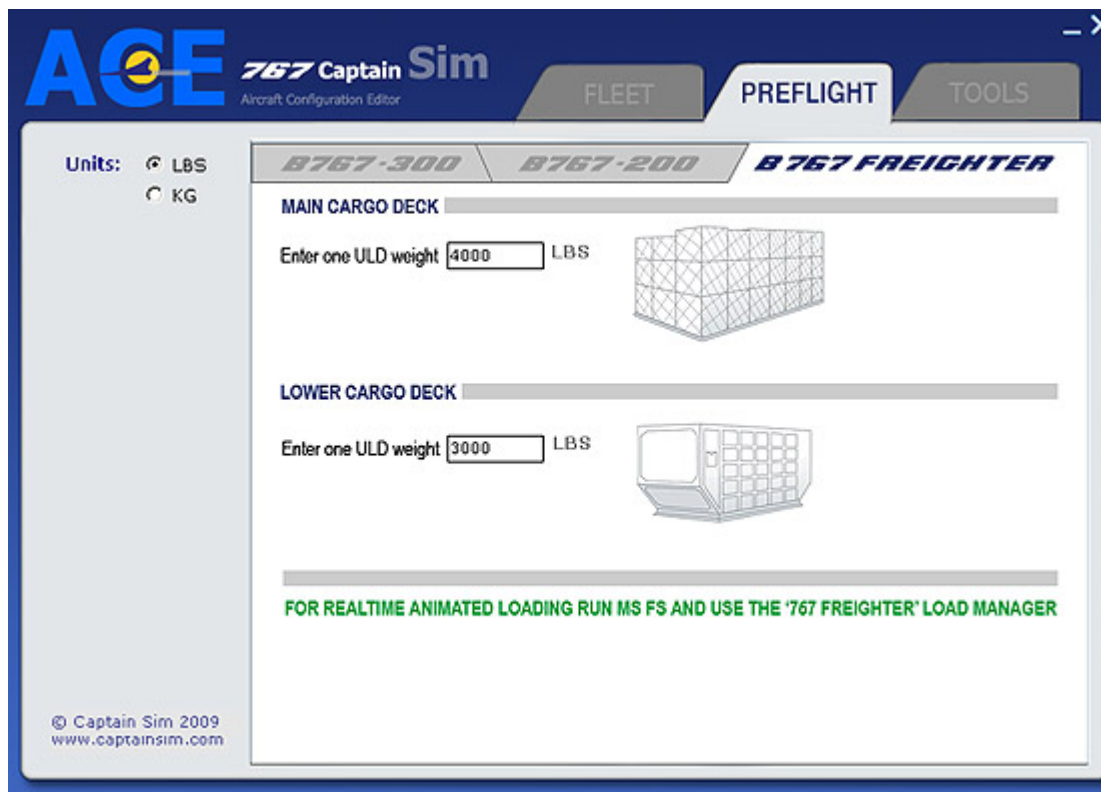
Use radio button to select Measurement System – LBS (pounds) or KG (kilograms).

Enter one ULD weight for Main Cargo Deck and Lower Cargo Deck.

Press 'SAVE' Button.

FOR REALTIME ANIMATED LOAD MANAGEMENT RUN FSX AND USE THE '767 FREIGHTER' LOAD MANAGERS.

DO NOT USE FOR FLIGHT

'TOOLS' TAB

TROUBLESHOOTING

SET CORRECT MSFS PATH tool. If the 'FLEET' and 'PREFLIGHT' tabs ACE are unavailable please press 'BROWSE' button, set the path to FSX.exe and your MS FS flight files (*.FLT) and press 'SAVE' button. 'FLEET' and 'PREFLIGHT' tabs should be available activated.

TEST '767 CAPTAIN' SIM button.
Please use this tool at Captain Sim support request ONLY.

Click this button to run safe system diagnostic tool and save the data to 'test.txt' file. No personal information collected.

DO NOT USE FOR FLIGHT

REPAINT KIT

Prior to using the Repaint Kit please read Captain Sim Copyright Policy.

1. DOWNLOAD '767 CAPTAIN' REPAINT KIT
Available via: Your Profile
In Your Profile click: Product Name > Get Repaint Kits

2. CREATE A LIVERY OF YOUR CHOICE.
- Texture files should not be renamed;
- Texture files must be in DDS format.

3. CREATE DESCRIPTION.TXT
Do not modify text shown in bold font!
Do not type text shown in grey!

[texture]
sim=B767-300GE or any the following:
B767-300GE
B767-300PW
B767-300RR
B767-200PW
B767-200RR
B767-FRGE
B767-200GE

model=ge5 or any the following:
ge5   - Boeing 767-300 5 doors General Electrics
ge3   - Boeing 767-300 3 doors General Electrics
pw5   - Boeing 767-300 5 doors Pratt&Whitney
pw3   - Boeing 767-300 3 doors Pratt&Whitney
rr5   - Boeing 767-300 5 doors Rolls-Royce
ge   - Boeing 767-200 General Electrics
pw   - Boeing 767-200 Pratt&Whitney
ge   - Boeing 767-300 Freighter General Electrics
e   - Boeing 767-200 AWACS General Electrics
kc_ita   - Boeing 767-200 KC-IAF General Electrics
kc_jpn   - Boeing 767-200 KC-JAF General Electrics

atc_id = XXXXXX (any numbers & characters)

atc_airline = XXXXXX (any numbers & characters)

atc_flight_number = XXXXXX (any numbers & characters)

ui_manufacturer=Boeing

ui_createdby=Captain Sim

ui_type=767-300 GE or any the following:
767-300 GE
767-300 PW
767-300 RR
767-200 GE
767-200 PW
767 Freighter GE
E-767 AWACS
KC-767A

ui_variation = Unique variation name. Should include full name and year when the livery was current AND repaint artists' initials. For example: United Airlines, 2003 JS

description = '767 Captain' \n (c) 2009 Captain Sim www.captainsim.com
Your description of the livery. **Free livery, repaint by** Your Name. E-mail address is recommended.

EXAMPLE OF THE DESCRIPTION.TXT FILE:

[texture]
sim=B767-300GE
model=GE5
texture=un_03
atc_id=1234
atc_airline=1234
atc_flight_number=1234
ui_manufacturer=Boeing
ui_createdby=Captain Sim
ui_type=767-300 GE
ui_variation= United Airlines, 2003 JS
description='767 Captain' \n (c) 2009 Captain Sim www.captainsim.com \n United Airlines, 2003. Free livery, repaint by John Smith.

4. PACK TO ZIP ARCHIVE THE FOLLOWING FILES:

- Texture sheets. DDS files. Include modified sheets only.
- **_description.txt_** file
- 256x128 pixels **_thumbnail.jpg_** image (screenshot) of the new livery.

    IMPORTANT: All files must go the archive *root* without any intermediate folders.

5. TEST NEW LIVERY IN MSFS
Try to add your livery to MSFS using ACE to make sure the livery is valid and ACE compatible.

6. UPLOAD NEW LIVERY
To any **free** file library (i.e. avsim.com, flightsim.com etc) or to any other **free** server. Please also add the livery download link and description to Captain Sim Online Liveries Catalogue:
-     Please check-in to Your Profile
-     In Your Profile click: **Product Name > Get Free Liveries** then follow instructions at **Got a new livery? Publish it _here_** link.

Please make sure file description complies to Captain Sim Copyright Policy.

CUSTOMER SUPPORT

For Customer Support please visit: http://www.captainsim.com/support/

Thank you,
Enjoy your flight!

Captain Sim Team
www.captainsim.com