

AI Traffic Manager 1.0

Requirements:

- MS ACCESS 2000.
- 'TCompiler.exe' and 'TDecompiler.exe' (by Lee Swordy)

Main-Menu:



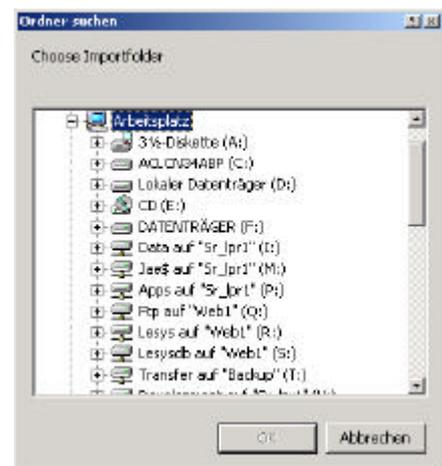
Import/Export

With this option you can import all the TXT files that are created by the decompiler utility made by Lee Swordy. Insert the whole path where the TXT files are saved.



To easy choose the folder press the button with '...'

On export, AI Traffic Manager will overwrite the old TXT files. So if you which to keep the old one, make a backup and copy it to an other directory.



Modify Flightplans

To modify flightplans the AI Traffic Manager knows two ways.

Modify, Add or Delete flightplans

Input here the Airport-Code and press Enter

The search an Airport-Code, goto to here

To calculate a flightplan for selected airport, press here.

Flightinformation for selected flight will here show.

To edit a flightplan press ,Edit' or just make double-click to the plan in the list.

Search Airport-Code

This form will be started from different other forms. In the search-field insert any name that your are looking for. 'In field' All means, the program will look for search-string in Code, Country, Airport and City.

But you can search your entries only to one field.

Code	Country	Airport	City	Lat	Lon
DAZH	Alghematan	KANDAHAR	-	N31° 30.44'	E65° 50.68'
LATI	Algeria	TIRANA RDVAS	-	N41° 24.93'	E13° 43.29'
DAAZ	Algeria	SOUMMAN	Dejla	N35° 43.20'	E3° 3.99'
DAAG	Algeria	HOUARJ BOUMEDIENE	Alger	N35° 41.87'	E3° 13.01'
DAAJ	Algeria	TISRA	Djanet South	N24° 17.72'	E8° 27.11'
DAAT	Algeria	TAMMIRASSET	-	N22° 48.79'	E5° 27.04'
DAAY	Algeria	JOEL	-	N35° 47.87'	E5° 52.41'
DABB	Algeria	ANNABA	Rabah Bitat	N36° 49.50'	E7° 48.50'
DABS	Algeria	TEBESSA	-	N35° 26.15'	E6° 7.53'
DACB	Algeria	BOU-CHEIKF	Tieret	N35° 20.68'	E1° 26.01'
DACM	Algeria	ZENATA	Tlemcen	N35° 1.11'	W1° 27.04'
DACC	Algeria	ES SENEA	Oren	N35° 37.06'	W0° 36.34'
DATM	Algeria	Bordj Melhtar	-	N21° 22.62'	E0° 56.43'
DAUA	Algeria	TOUAT	Adrar	N27° 50.50'	W0° 11.11'
DAUE	Algeria	EL GOLEA	-	N30° 34.30'	E2° 51.85'
DAUG	Algeria	INCUNERATE	Ghardaia	N32° 23.08'	E3° 47.95'
DAUH	Algeria	OULED ISARA	Hassi Messaoud	N31° 40.61'	E6° 8.43'
DAUI	Algeria	IN SALAH	-	N27° 15.21'	E2° 30.65'
DAUC	Algeria	GUEMAR	El Oued	N33° 30.97'	E5° 46.94'
DAUT	Algeria	TIMINOUN	-	N29° 14.63'	E0° 17.01'

All listed airports with Lat and Lon definitions, can used with AI Traffic. If you wish to create traffic for an airport without Lat and Lon definitions, go to the aircraft form over the main-menu. Caution: AI Traffic will only work, if the airport has parking area, Lat, Lon and altitude information.

With 'Take it' will the selected airport copy and past to the form that you started the airport search.

Add or edit flightplans

Here in this form, you have to define all necessary information for a flight and its to legs.

For more information about the flights information, have a look to the readme.doc that came with the compiler TTools10.

Some program dependence:

Aircraft:

First choose your desire aircraft. After this it shows you the cruise speed of this aircraft. This will be necessary to calculate the ETA.

IFR/VFR and Heading:

Depending the flight-rule and over or below FL290 and Heading, the both 'Flightlevel' dropdown-list will show other flightlevels suggestions.

Destinations:

After change the destination for leg1 or leg2 the distance, ETA, calc. ETA1 and calc. ETA2 will recalculated.

If you not known the desired airport-code, choose the option 'Airport search'.

The screenshot shows the 'Edit flightplan' window with the following data:

Flightinformation:				
Aircraft	Cruise Speed	Distance:	681.9	NM
Cessna Skylane 182S Paint2	140	ETA:	5.1	
Registration	Percent	Interval	Flight Rule	
N8552	87%	12Hr	IFR	

Leg1:				
Departing1:	ETA1:	Flightlevel	F/R	Flightnumber
01:53:50	07:01:00	100	F	7770
Destitnation:	CYKZ	TORONTO BUTTONVILLE MUNI/Canada		
Heading:	79	Airport search		
Calc. ETA	07:03:50			

Leg2:				
Departing2:	ETA2:	Flightlevel	F/R	Flightnumber
07:53:44	13:00:55	90	F	7771
Destitnation:	CYHZ	HALIFAX INTL/Canada		
Heading:	270	Airport search		
Calc. ETA	13:03:44			

Close

Change Aircraft on several countries or a continent

This form is very powerful to change the aircraft-type of hundreds or thousands flight with one click.

First define the geographical criteria in the search field. It depends of the second dropdown-list if your criteria will apply to continent, country or airport-code. Press Enter to execute your query. If the list will still be blank, try to use just a part of a word as a criteria.

After this may you make the list much smaller due define a criteria for aircraft's.

For example:

You want to change all MD-83 (Delta, Continental or Soar) on your home airport 'KDCA'.

Define in the first search-field: KDCA

Choose in the dropdown-list: Code

In the Aircraft-field you put: MD-83

After Enter it shows you all flights with this criteria (if any).

Now you can select all Aircraft that should be exchanged to that on the list. It is very important, that only aircraft are selected, that can fly the plans in the list. So do not change all Piper flightplans to B737. The plans will not work, because normally such airport has no parking places for B737....

With CTRL you can select every aircraft in the list-field.

May your selection content 100 plans. You select four aircraft in the list below. With a click to the button 'Change all in List' will every aircraft changed that are listed above. That means, each of this four aircraft will appear on 25 flightplans.

If you wish that one aircraft should become more flights, than you select the box 'Higher priority'. Choose the aircraft that should become more flights, enter a percent value for more priority and start the routine with a click to the button 'Change all in List'.

50% More priority will mean, from that 100 flights, this plane will become 50 flights. The other three planes will divide the remaining 50 flights.

I used this functions, because I installed the Delta, Continental and Northwest MD-83 repaint on my FS2002. But how often will I see this MD-83 on any Europe airport? Never!

So I put the criteria 'Europe' for continent and MD-83 as aircraft criteria.

After I choose all MD-83 liveries from Europe that I had installed before and let the AI Traffic Manger change all flightplans automatically.

Change Registration

With this form, you can easily change the registration codes for all or selected flights.

Make some selection for country, continent or airport-code on the first line. May you want have some additional criteria for some specially aircrafts.

Change Registration

Search: Start search Clear fields

Search in: ▼

Aircraft:

Flight plans: Plans:

Aircraft	REG	Depl	ETA1	F_ID1	Code1	Dest1	Cont1	Dep2	Code2	Dest2
Boeing 737-400	N30232	01:59:17	04:02:51	1312	WSAP	PAYA LEBAR	Asia	04:50:14	VTBD	BANGKOK INTL
Boeing 737-400	N84080	00:24:24	02:28:09	9741	YTBD	BANGKOK INTL	Asia	03:24:27	WSSS	SINGAPORE CHANGI
Boeing 737-400	N79632	03:04:19	06:01:13	8627	WSSS	SINGAPORE CHANGI	Asia	09:04:14	ROAH	NAHA
Boeing 737-400	N50640	01:34:40	02:56:03	2945	WIDI	SOEKARNO HATTA IN	Asia	04:34:43	WSSS	SINGAPORE CHANGI
Boeing 737-400 Park2	N83800	01:57:39	04:01:24	4053	YTBD	BANGKOK INTL	Asia	04:57:42	WSSS	SINGAPORE CHANGI
Boeing 737-400 Park2	N4112	02:34:44	04:38:19	6341	YTBD	BANGKOK INTL	Asia	05:34:47	WSAP	PAYA LEBAR
Boeing 737-400 Park2	N74232	05:56:30	10:53:23	6089	ROAH	NAHA	Asia	11:56:35	WSSS	SINGAPORE CHANGI
Boeing 737-400 Park2	N35050	02:49:42	04:11:12	7700	WSSS	SINGAPORE CHANGI	Asia	06:49:38	WIDI	SOEKARNO HATTA INTL

Change registration to:

Change all in List

(Ex: HB-1234 or D-TH)

Change whole registration Only selected

Replace characters from left:

▼

With 1 character from left, the first character from the old registration will be replaced by the new one.
 Ex:
 Change all registration 'N' to 'D'-
 Choose for new registration: D-
 Characters from left set to 1

Close

On the input-line below the flights-list, you can define your desired new registration code. Choose 'Change whole registration' if you would like the old registration-codes should completely be replaced by the new one.

If you wish, to keep some different numbers of the old registration, unmark this option and tell the program, how many characters from the old code should be replaced by the new one.

To execute the changes for all listed flights, click on 'Change all in list'. Should only one or two flights be changed, select the flights on the list (use CTRL or SHIFT to mark multiple flights). After that click 'Only Selected'.

Edit Aircraft- data's

Here you can Add, Delete or edit some aircraft data's. Important are the 'Titel' expression, that must compare with a Title entry in the Aircraft.cfg files. Important is too, the speed value. With this value, the compiler and AI Traffic Manger calculate the ETA for every leg.

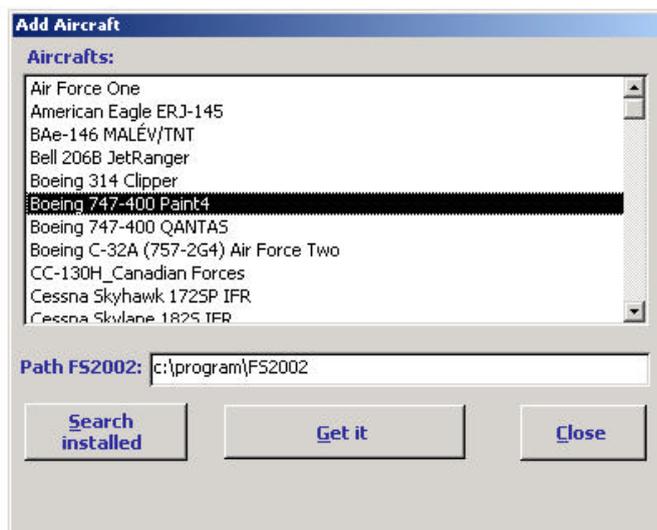
The fields 'MaxFL' and 'MinFL' are just indicators for minimum and maximum flightlevels as they are defined in all the flightplans. It gives a suggestions what flightlevels can be used by this kind of aircraft's. The values will update on every import.

Titel	Speed	MaxFL	MinFL
A320 Aero Lloyd	430	125	25
A320 LAM - Mozambique	430	255	125
A320 LISBON SUN	430	350	230
A320-200 Air Canada	430	350	230
A320-214 Edelweiss Air	430	350	230
A320-214 Swissair	430		
A320-231 British Midland	430	320	260
A320-233 Taca	430	320	260
A320-325 balair cta	430	340	270
Airbus A320 Cyprus Airways	430	350	270
Airbus A320-200 Iberia	430	350	270
Airbus A320-200 Sabena	430	120	25
Airbus A320-214 Croatia Airlines	430		
Airbus A320-232 Air Macau	430		
Airbus A320-200 TAP	430	155	25
Airbus A321-231 Egypt Air	430	155	30
B737-809 Mandarin Airlines	430	155	25
B757-200 CONDOR	430	105	25
B757-300 Condor	430	105	25
B757-300 Icelandair	430	105	20
B777-200ER Saudi Arabian	430	120	25
B777-246 JAL	430	120	25
BAe-146 City Flyer	315	1019	20
BAe-146 MAL pW/TNT	315	120	20
Beech Baron 58	200	120	25
Beech King Air 350	315	150	80
Boeing 737-400	430	150	80
Boeing 737-400 Paint1	430	190	45
Boeing 737-400 Paint2	430	360	275

Specially function: 'Add from FS2002'

The AI Traffic Manager scans all in FS2002 installed aircraft's and show the title entries. Easily select which one you want for using as AI Traffic.

It shows only the aircraft's where not used in AI Traffic Manager at the moment.



Airports data's

The Ai Traffic Manager contents over 6'000 Airports information.

That an airport can use for AI Traffic, it must have a valid code (check if exist in FS2002), Lat, Lon and a altitude.

Code	Country	Airport	City	Alternate Name	Lat	Lon	Altitude
QASB	Afghanistan	SHINDAND	-	-			
QAUZ	Afghanistan	KUNDUZ	-	-			
QASG	Afghanistan	SHEBERGHAN	-	-			
QAMS	Afghanistan	MAZAR I SHARIF	-	-			
QAMN	Afghanistan	MAMANA	-	-			
QAKN	Afghanistan	KANDAHAR	-	-	N31° 30.44'	E65° 50.66'	3310
QAKB	Afghanistan	KABUL INTL	-	KHWAJA RAWASH			
QAKL	Afghanistan	KALALABAD	-	-			
QAGR	Afghanistan	HERAT	-	-			
QATQ	Afghanistan	TALULGAN	-	-			
LAWL	Albania	VLORA	-	-			
LATI	Albania	TIRANA RNAB	-	-	N41° 24.82'	E19° 43.29'	115
LAKY	Albania	KUCOVA	-	-			
LAKU	Albania	KUMES	-	-			
LAKO	Albania	KORCE NORTHWEST	-	-			
LAKJ	Albania	GJADER	-	GRAMSH			
DAUZ	Algeria	IN AMENAS	Zarzaitineh/Amenas	-	N28° 3.24'	E9° 38.56'	1844
DAOV	Algeria	GHRIS	-	-			
DALIA	Algeria	TOUTAT	Astrat	CHEIKH SIDI MOHAMED	N27° 50.50'	W0° 11.11'	919
DAUB	Algeria	BIBORA	-	MOHAMED KHIDER			
DAUE	Algeria	EL GOLEA	-	-	N30° 34.30'	E2° 51.88'	1306

Countries

In this form, all country information and the relation to the continent can be edited.

Country	Continent
Afghanistan	Asia
Albania	Europe
Algeria	Africa
American Samoa	South America
Angola	Africa
Anguilla	Caribbean
Antigua & Barbuda	Caribbean
Argentina	South America
Armenia	Asia
Aruba	Caribbean
Australia	Oceania
Austria	Europe
Azerbaijan	Asia
Bahamas	Caribbean
Bahrain	Middle East
Bangladesh	Asia
Barbados	Caribbean
Belarus	Europe
Belgium	Europe
Belize	Middle America
Benin	Africa

Reporting Problems

If you have any problems, please mail me at:
'juerg_aerni@hotmail.com'

I can't give support that has to do with MS ACCESS 2000. Please make sure that ACCESS work before you tried to use AI Traffic Manager. And even have in mind, that this program is still in BETA status.

Copyright:

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Traffic Tools:

'TCompiler.exe' and 'TDecompiler.exe' are copyright by Lee Swordy. (Thanks for this super utilities!)

MS ACCESS 2000 are copyright by Microsoft Cooperation.

January, 30. 2002, Jürg Aerni