



ATC Management version 2.0

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by
Carlo Chiappisi

Description

The program allows the complete management in automatic way of all the activities of the ATC Controller through series of important informations that will be shown you in video. The program show you all need informations to allow to assign SID and STAR Parameters of flight and Flight Plan.

The program can be used also ACC, DEP, TWR, GND Controller.

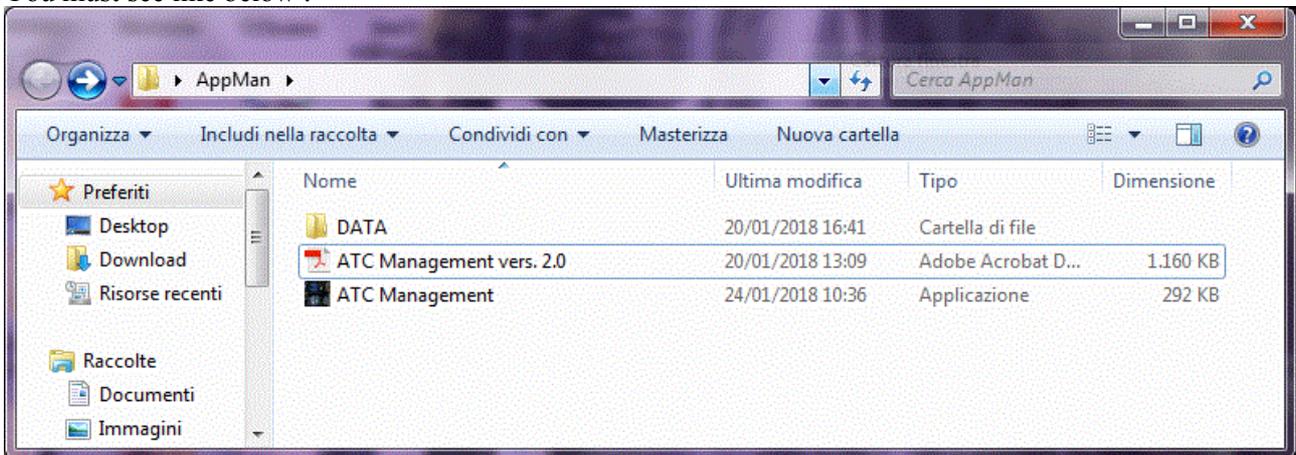
The program has been completely reprogrammed in the algorithms and with many functions that allow a continous control of the aircraft under own responsibility. The controlle besides assigning SID and STAR will control the flight parameters and the position in each moment of the aircraft and, if necessary, informs the pilot of the changes to be made.

Installation

To run the program you need the Runtime Library of Visual Basic 6. This software is already installed on Windows OS. In other way you have download the MSVBRUN6.dll from Microsoft website.

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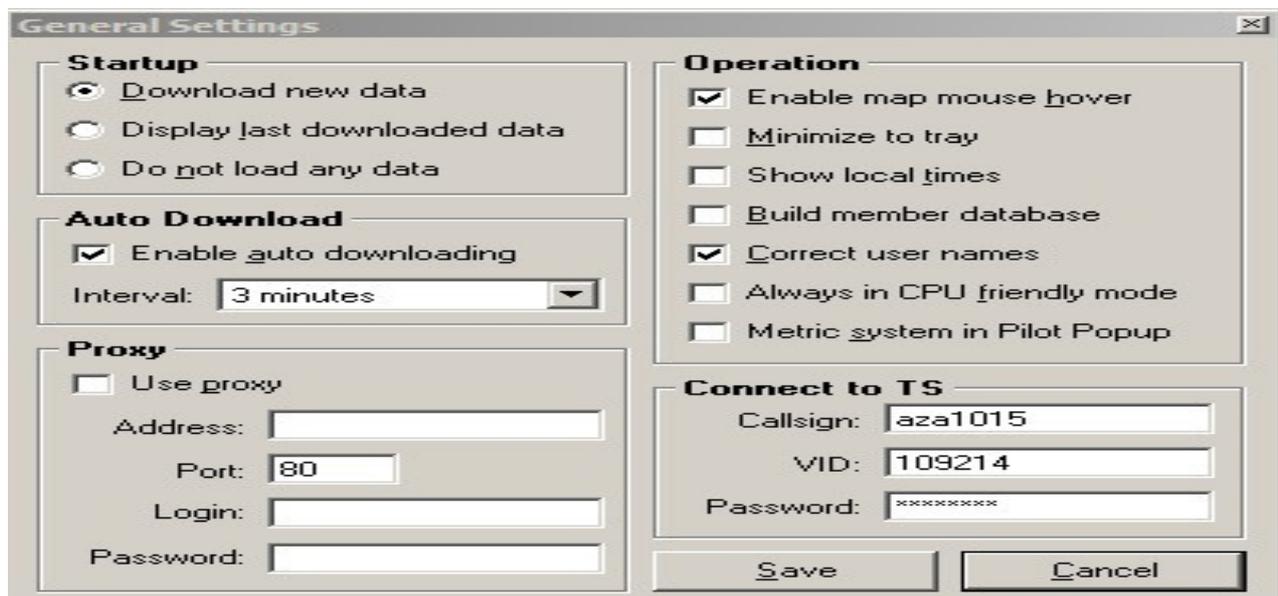
The program doesn't need to be installed, you can copy the files in a directory of your choice. You must have in your main folder the file ATC Management.exe , the manual in pdf and the folder DATA. You must download PMDG airac in your PC. You must see like below :



The program to work must have the IVAE software (The Eye) always open and minimized

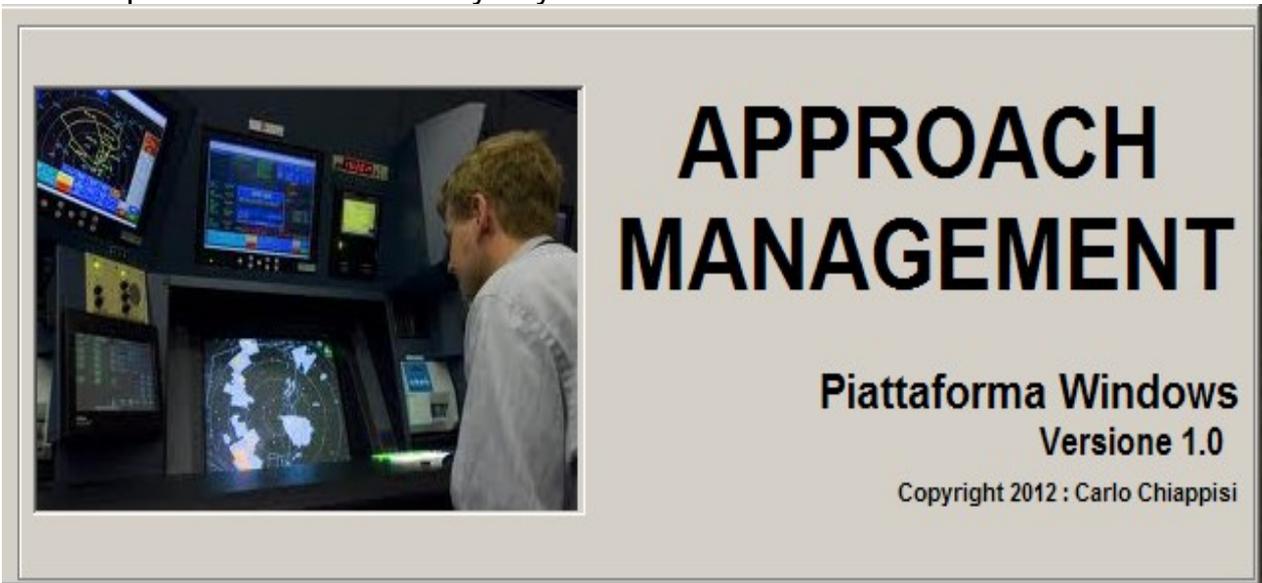


The setting like below



Using Approach Management

Once you've started the program you'll see the main window. The first window will be the splash screen. Press any key or wait.



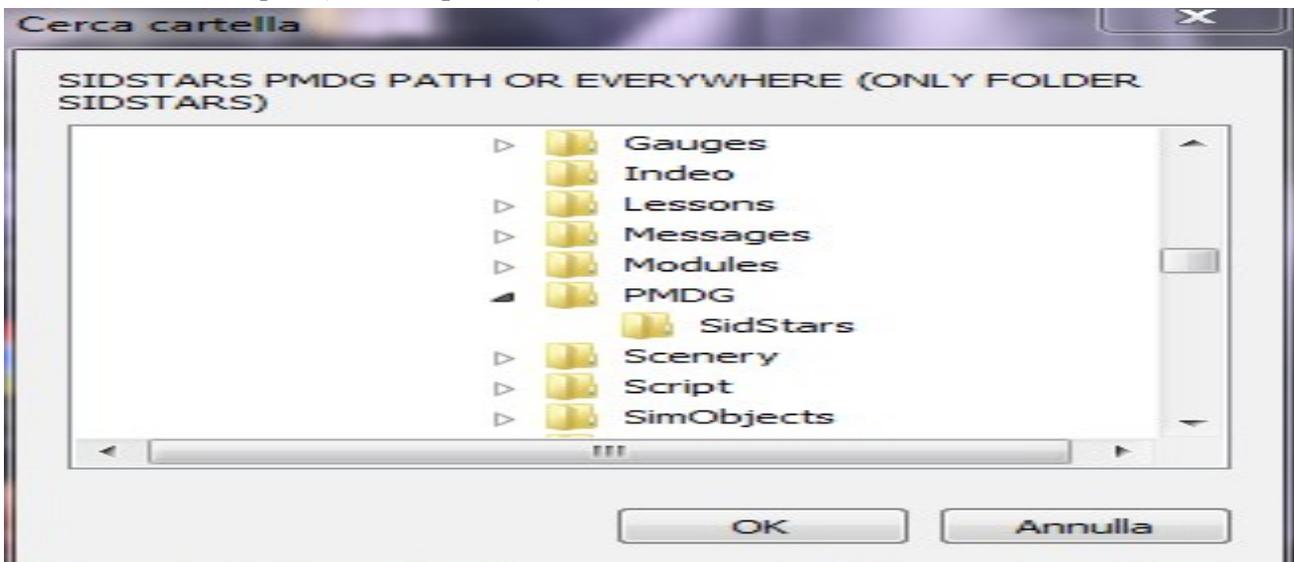
The second window will be the main window. To start you have to insert your Ivao Account (normally your Name and Surname but if don't work insert VID IVAO number). You can insert your Name and Surname after you have set the SID/STAR Folder and Data EYE Folder. **THIS IS THE FIRST IMPORTANT ACTIVITY TO DO.**



PAY ATTENTION!!!!

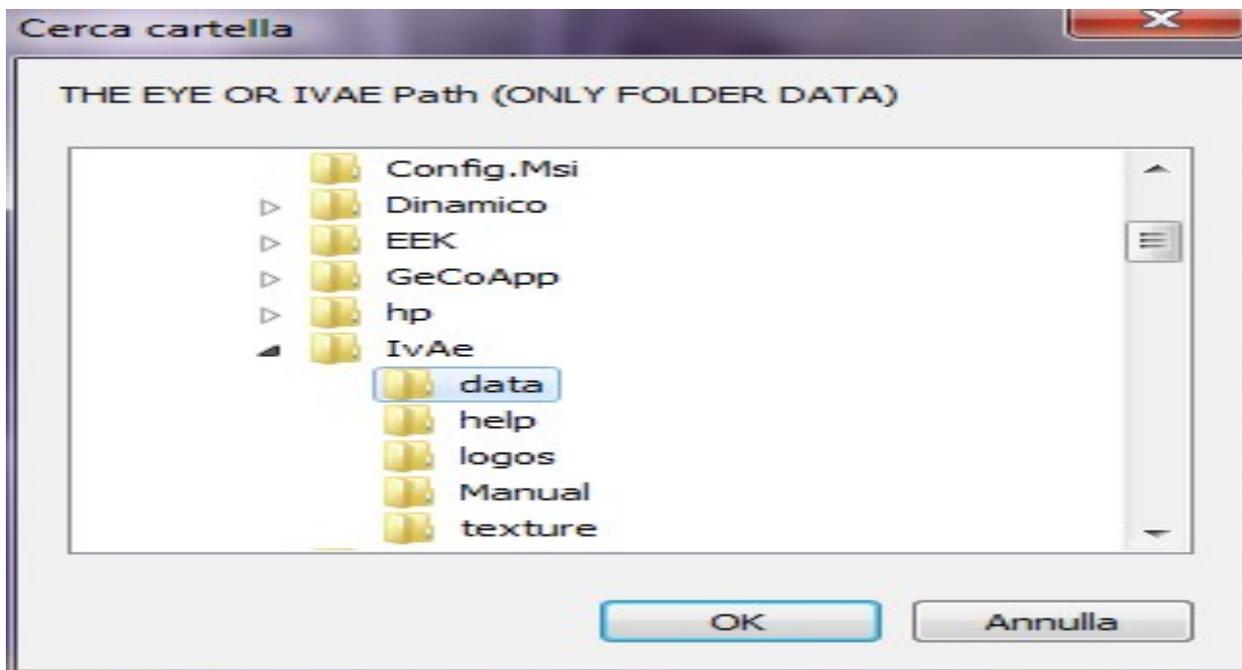
BEFORE ALL YOU MUST SET THE SID/STAR FOLDER AND DATA EYE FOLDER.

In the SID/STAR FOLDER you must see like below. PAY ATTENTION you have to choose the only folder SidStar below PMDG path (**this is important**):

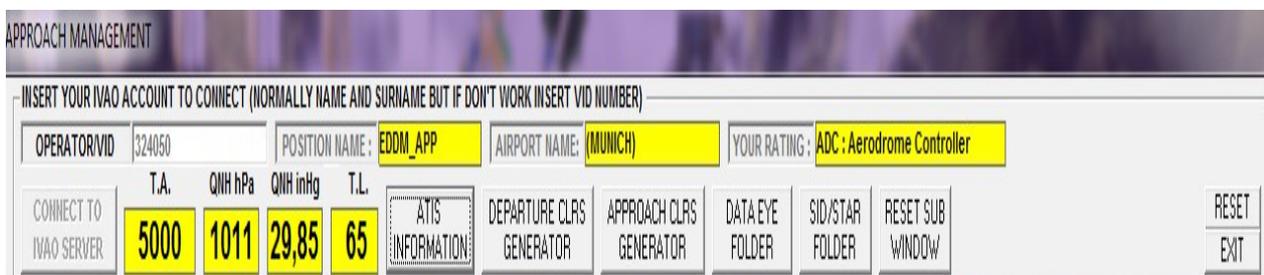


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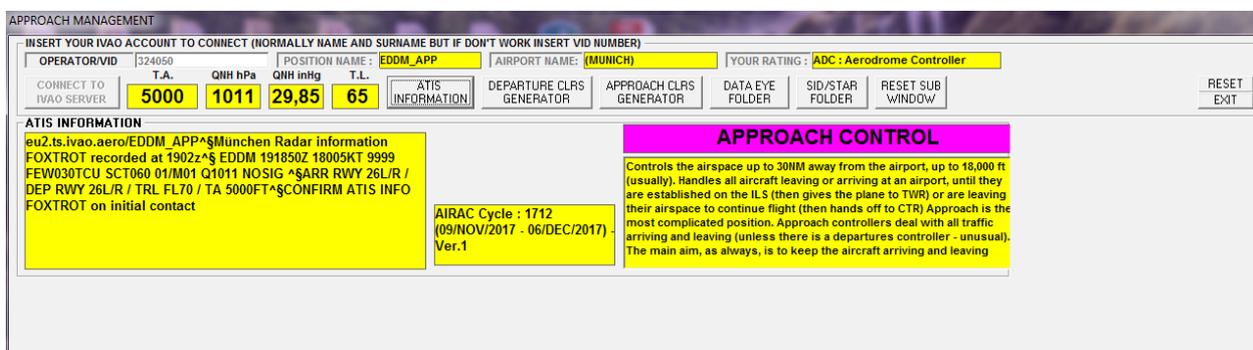
In the DATA EYE FOLDER you must see like below. PAY ATTENTION you have to choice the only folder DATA of EYE or IVAE path (**this is important**):



After you set the two folder you can insert your Name and Surname (IVAO Account) or VID IVAO number. After press "CONNECT TO IVAO SERVER " command you will be able to see all the informations of your emplacement. All the buttons will be active.



Press the "ATIS INFORMATION " and you will be able to see all the atis informations of your airport.



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The "DEPARTURE CLRS GENERATOR" command it's being used for managing all the departures. You can assign a squawk code and in base of the shown informations to assign a SID. you will be able to know all the data of the aircraft that you have clicked. In this window is present a listbox with the Rules of Thumbs to have a principle with broad application that is not intended to be strictly accurate or reliable for every situation. It refer to an easily learned and easily applied procedure or standard, based on practical experience rather than theory.

If you emphasize an aircraft you will be able to see the flight situation in that moment.

You can see the flight plan of the aircraft emphasized press SHOW FLIGHT PLAN.

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To generate IFR SID Clearance you must insert the runway in use, the SID and the initial SID climb and press the Generate IFR departure clearance command you will be able to have all the informations on the assigned SID.

The "APPROACH CLRS GENERATOR" command it's being used for managing all the arrivals. You can see in the label expected star, the star that you can assign. you will be able to know all the data of the aircraft you have clicked. You will see ILS/LOC/VOR procedures.

To generate IFR STAR Clearance you must insert the runway in use, the stard and the initial STAR descend and press the Generate STAR and approach clearance command you will be able to have all the informations on the assigned STAR and ILS/LOC/VOR procedures.

If you click in the ILS/LOC/VOR procedures you will see the procedures. Cklick in the box of the procedures to came back.

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APPROACH MANAGEMENT

INSERT YOUR IVAO ACCOUNT TO CONNECT (NORMALLY NAME AND SURNAME BUT IF DON'T WORK INSERT VID NUMBER)

ILS26L FIX NELBI AT OR ABOVE 5000 FIX FISL 2000 RNVW 26L FIX D261B TRK 261 UNTIL 1900 TURN LEFT DIRECT FIX MUN 5000
 NDM26L FIX NELBI AT OR ABOVE 5000 FIX SIDME AT OR ABOVE 4040 FIX MSIV AT OR ABOVE 2800 FIX 350M2 AT OR ABOVE 2330 FIX MQ26L 1688 RNVW 26L FIX D261B TRK 261 UNTIL 1900 TURN LEFT DIRECT FIX MUN 5000
 RNV26L FIX NELBI AT OR ABOVE 5000 RNV 26L FIX OVERFLY DIM541 TRK 261 UNTIL 1900 TURN LEFT DIRECT FIX MUN 5000

STARS AND APPROACH CLEARANCE GENERATOR		EXPECTED STAR	IFR STAR CLEARANCE	STAR ASSIGNED	RULES OF THUMBES
Select Land Rwy: 26L	ARRIVAL ACFT: AUA122E, BCS495, BER124, BX737	NAPSA	AUSTRIAN 117L RADAR CONTACT FLY DIRECT NAPSA THEN NAPSA2A STANDARD ARRIVAL DESCENT AND MAINTAIN 5000 FEET ACCORDING TO THE MINIMA EXPECTED ILS APP RWY 26L	STAR NAPSA2A FIX NAPSA AT OR BELOW 11000 FIX MUN	Altimeter correction pressure Altimeter correction temperature SAT out of TAT SAT out of TAT for higher Mach and lower Level Off procedure if R/C = 1000 feet/min Level Off procedure if R/C > 1000 feet/min Cruise Flight Level computation Vertical Speed to rejoin assigned altitude To obtain TAS out of Mach-number To find TAS out of IAS and FL Ground Speed out of Mach
Select Star: NAPSA2A	STAR ASSIGNED: AUA117L - 7311	ILS/LOC/VOR PROCEDURES: ILS26L, NDM26L	PARAMETERS FLIGHT: NORMAL		
Insert Initial Descend: 5000	SQUAWK CODE AVAILABLE: 6000	ENDURANCE: 00 01	CURRENT ALTITUDE: 4750	REAL ETA: 21 17	AIRCRAFT ACTIVITY: APPROACHING
DISTANCE TO AIRPORT OF: AUA117L NM 10	SPEED: 178	SQUAWK ASSIGNED: 7311			

If you click in Rules of thumbs you will see the explanation in the label below.

APPROACH MANAGEMENT

INSERT YOUR IVAO ACCOUNT TO CONNECT (NORMALLY NAME AND SURNAME BUT IF DON'T WORK INSERT VID NUMBER)

OPERATOR/VID: 324050 | POSITION NAME: EDMM_APP | AIRPORT NAME: (MUNICH) | YOUR RATING: ADC : Aerodrome Controller

CONNECT TO IVAO SERVER: T.A. 5000, QNH hPa 1011, QNH inHg 29,85, T.L. 65

STARS AND APPROACH CLEARANCE GENERATOR		EXPECTED STAR	IFR STAR CLEARANCE	STAR ASSIGNED	RULES OF THUMBES
Select Land Rwy:	ARRIVAL ACFT: AUA117L, AUA122E, BCS495, BER124				Slant distance overhead a DME - station Intercepting outbound leg when close to Intercept Heading when passing over sta Intercept Heading when a little bit off-trac Top of Descent (idle thrust - 3° descent p... R/D required to be down at certain point Vertical speed by changing Body Attitude Vertical speed by changing Body Attitude Use TAS or IAS in approach Distance required if you want to maintain Wind correction for descent distance
Select Star:	STAR ASSIGNED:	ILS/LOC/VOR PROCEDURES:	PARAMETERS FLIGHT:		TOD (NM) = /EFL / 3. Ex.: FL 280 down to 2000 feet TOD = 280 / 3 = 87 NM.
Insert Initial Descend:	SQUAWK CODE AVAILABLE: 6000	ENDURANCE:	CURRENT ALTITUDE:	REAL ETA:	AIRCRAFT ACTIVITY:
DISTANCE TO AIRPORT OF:	SPEED:	SQUAWK ASSIGNED:			

The other commnds are easy to be understood.

Support / Suggestions

If anyone has any questions or suggestions, or any other support issues concerning this software please send an Email to carlo.chiappisi@libero.it and we shall do our best to get back to you as soon as possible.

Disclaimer

This software has been developed using Microsoft Visual Basic 6 and supplied with all necessary runtime files. The software associated files have been virus checked and the programme should run successfully under Windows XP, windows 7 and windows 10.

This software should not damage your PC and software in anyway, but even if you believe it has, myself cannot be held responsible for any problems that may result through its use. Users install and run the software at their own risk.

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Credit

- Flight Simulator is copyright Microsoft
- Visual Basic 6 is copyright Microsoft
- The Eye is copyright IVAO
- PMDG is copyright PMDG simulation
- AIRAC is copyright Navigraph

Have a Good Control!

Carlo CHIAPPISI