

AST	A319/A320/A321 Standby Instruments	V .1.0
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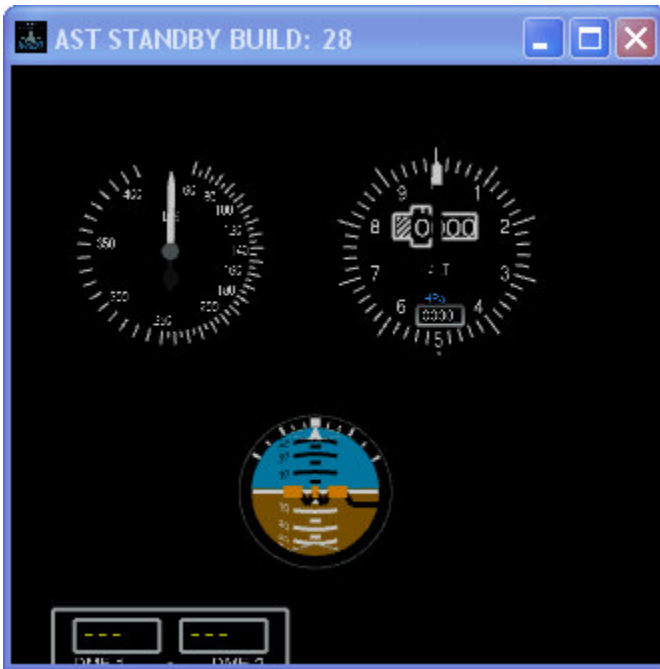
General

This document shows how to setup the AST Standby Instruments.

The Standby Instruments can be run on every computer, which is connected to the AST Server.

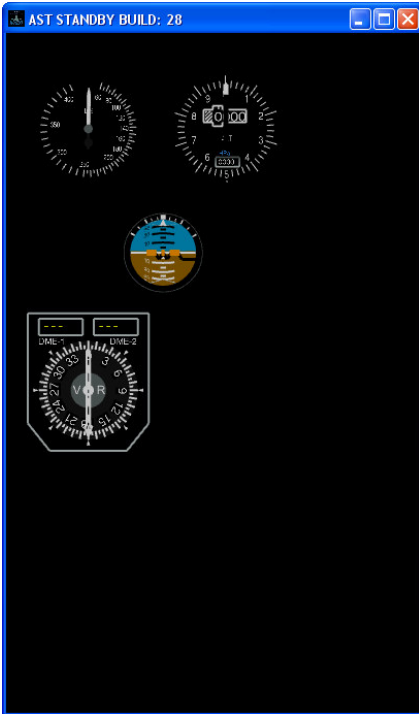
How to setup the Standby-Instruments

Make sure that the AST Server is running, when you start the standby-instruments. The software will search the server and connect itself. After the first startup of the standbys your window with the standbys will look somehow like this:



So the first thing to do is to rotate the instruments by pressing CTRL-R. Each press rotates the instruments by 90 degrees clockwise. After that resize the window so that it covers the complete area of your standbys.

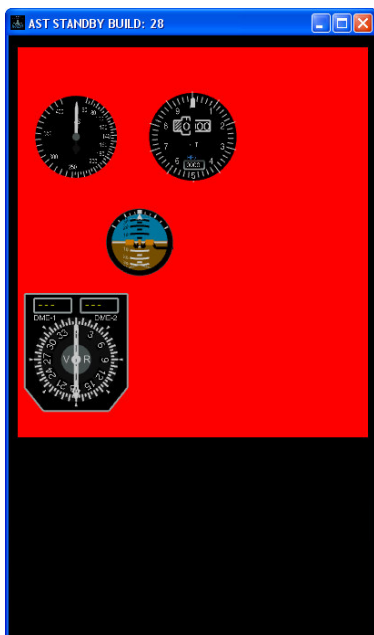
This might look like this: (in this example a rotation was not necessary)



Now it's time to adjust the OpenGL screen. This is the screen on which the standby instruments are drawn. It is not necessarily the same then the whole black area of the window.

You can adjust the position and the size of the OpenGL screen. To do this press CTRL-P five times (until you see a big red square in the background of the instruments. Please do not move the instruments itself at this point. We'll do that later on during the setup.

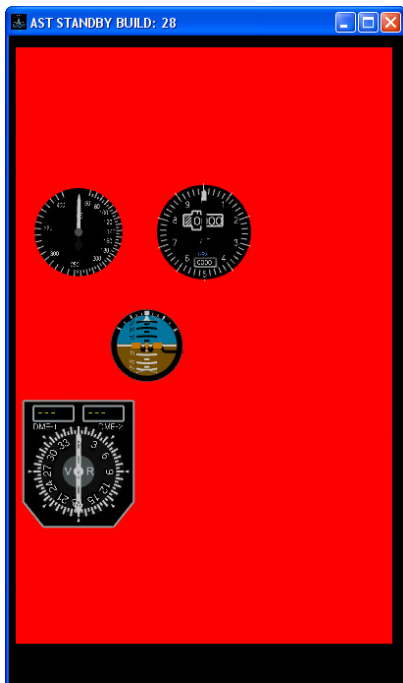
So when you have pressed CTRL-P five times it should look like this:



First setup the upper left corner to the correct position. To do this you have to move the red box by pressing CTRL-SHIFT + cursor keys.

Once that is done adjust the height and width of the screen by pressing CTRL + cursor keys. Be aware that you can move the standby instruments later on only in the red area, not in the whole window. So if you have a homebuild cockpit with a MIP be sure that the red box covers all your cutouts for the standbys on the MIP.

The result might look like this:

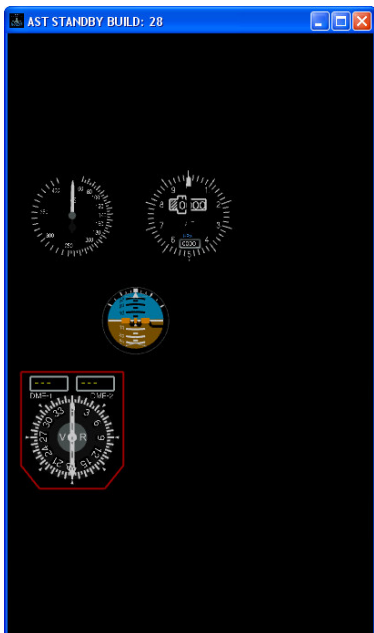


If you are satisfied with the position of the red box, press CTRL-P again and the red box disappears.

Now you have completed the setup of the OpenGL screen.

It's time to adjust each of the instruments. This is also be done by pressing CTRL-P until you see the red surrounding at the required instrument.

So if we want to adjust the RMI it looks like this:



Now you can move it by using CTRL + cursor keys and resize it by pressing CTRL and + or – on the numpad. Once you have done that select the next instrument with CTRL-P. When you have finished all press CTRL-P until all red indications disappear. The settings will be saved when you exit the program.

Here you see an example of adjusted standbys:



There are a few more settings possible which will be explained now.

- + and – on the numpad (without CTRL) adjust the brightness of the standbys.
- You can switch on and off each instrument individually. To do this, select an instrument with CTRL-P. Once selected press CTRL-O to switch in on and off.

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- One special function for the speed indicator: When the speed indicator is selected try pressing CTRL-D to switch on and off the digital indication of the speed in the indicator.

Now have fun using the AST standbys!

Regards AST