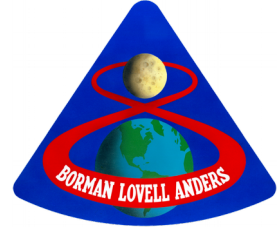




Project Apollo NASSP 7.0



Project Apollo NASSP 7.0 is unique compared to the majority of Orbiter spacecraft available. NASSP 7 simulates the Apollo CSM (and LM in future releases) exactly as they were flown during the 1960s and 1970s. Currently Apollo 7 and 8 are simulated. The experience of flying NASSP is closer to flying the old Virgin Shuttle simulator than it is to flying the Delta Glider. You will find no retrograde, prograde, or killrot autopilots. There are no engine start shortcuts. The Saturn V and Service Module's SPS engine can't even be throttled. This Quickstart guide is provided to get you started flying this high fidelity add-on.

Installation

1. Orbiter 2010-P1 must be installed on your hard drive in order to use NASSP (<http://www.orbiter-forum.com/download.php>)
2. Download and install the Microsoft VS C++ 2015 Redistributable (x86) Package. (<https://www.microsoft.com/en-us/download/details.aspx?id=48145>)
3. Unzip the contents of the Project Apollo NASSP 7 zip into your Orbiter base directory. Be sure to "Use Existing Folders" to maintain the directory structure.
4. Start Orbiter. Under the modules tab enable "ProjectApolloMFD" and "RTCC MFD."
5. Under the Parameters Tab check that Complex Flight Model, Limited Fuel, Gravity Gradient Torque, and Nonspherical Gravity Sources are all enabled.
6. You are now ready to use Project Apollo NASSP. If you need help getting started consult the Quickstart Checklists below.

More complete instructions for installation can be found on the wiki:

<http://nassp.sourceforge.net/wiki/Installation>

http://nassp.sourceforge.net/wiki/First_Steps

Using the Control Panel

1. Switches can be moved up by clicking their upper half, and down by clicking their lower half.
2. Click on the edge of a rotary switch to move it to the position of the mouse.
3. Thumbwheel switches are increased by clicking on their upper half and decreased by clicking on their lower half. Right-click to move the thumbwheels at smaller increments.
4. The optics are operated with the WASD keys. Q transmits a MARK. E rejects a mark and V activates the Split Line of Sight for P23.

Quickstart Instructions (T-1 minute to Launch)

1. Start Orbiter and enable ProjectApolloMFD and External MFD in the Modules tab.
2. Open the Scenario Titled 'Apollo 7 Virtual AGC LVDC++ T-60' under the 'Project Apollo NASSP' Directory.
3. Press F4 to open the Orbiter menu and select Custom > External MFD
4. Press SEL on the MFD window and find 'Project Apollo Checklist MFD.' Press the button alongside this item.
5. The Checklist MFD should be displayed with instructions for launch. The S-IB is into the automatic firing sequence and will launch automatically.
6. Press FLSH on the right hand side of the Checklist MFD. This enables a flashing yellow box to help find the switch listed in the current item.
7. After completing an item, if the Checklist MFD has not recognized its completion, press the MFD PRO button.
8. Carry out the instructions listed on the checklist. A number to the right of each item indicates the panel number the switch can be found on. Keep time acceleration under 50x (10x during powered flight) as the vAGC has trouble completing its cycle quickly enough during time acceleration and the simulation may freeze or depart from controlled flight.
 - * Panels 1-3 are on the Main Display Console
 - * Panels 4-6 are near the right hand window
 - * Panels 7-9 are near the left hand window
 - * The 100s are in the navigation bay near the optics.
 - * The 200s are on the right of the LEB, and the 300s are on the left of the LEB.

For complete documentation on operating the CSM consult the wiki:

http://nassp.sourceforge.net/wiki/Category:CSM_systems

Join the NASSP Community at:

<http://www.ibiblio.org/mscorbit/mscforum/>