

## Chapter 237 Flight Simulator – Level 1 Orientation Checklist (v3)

Student's Name:			
Orientation Date:		(use back of sheet for additional notes)	
	<b>✓</b>	<b>Topics</b>	<b>Student's Notes</b>
<b>1</b>		<b>Pilot Ergonomic Adjustments</b>	
1.1		Rudder pedal adjustment (notches)	
1.2		Seat position adjustment (2 levers)	
1.3		Controls height adjustment (switch)	
<b>2</b>		<b>Location of controls</b>	
2.1		Keyboard with numpad (more later)	
2.2		Yoke – range and feel	
2.3		Switches on yoke & panel (more later)	
2.4		Mouse – trackball with scroll wheel	
2.5		Red button box (more later)	
2.6		Knobster control (more later)	
2.7		Throttle quadrant (levers)	
2.8		Flap switch (more later)	
2.9		Pitch trim wheel (more later)	
2.10		Speaker with volume control	
2.11		Replay controller (hand held)	
<b>3</b>		<b>Logging in as user</b>	
3.1		User naming convention (X-nn etc.)	
3.2		Your username	
3.3		Your password	
3.4		Proceed with login	
3.5		Note about DC server not running	
<b>4</b>		<b>Display monitor orientation</b>	
4.1		Touch screen monitor (Air Manager)	
4.2		Repositioning of touch screen (carefully)	
4.3		Three large monitors (X-Plane 11)	
4.4		Monitor orientation (cursor movement)	
4.5		Cursor "focus" (for X-Plane)	

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<b>5</b>	<b>Starting Air Manager (console)</b>	
5.1	Searching for Flight Simulator message	
5.2	Verifying Knobster hardware found	
5.3	Selecting C172 aircraft instrument panel	
5.4	Verify Input mode: Mouse & Touch	
5.5	Verify Knobster is selected	
<b>6</b>	<b>Starting X-Plane 11 software</b>	
6.1	Progress bar while loading	
6.2	Verifying Air Manager found X-plane	
6.3	Launch instrument panel in Air Mgr	
6.4	X-plane menu choices (New Flight)	
6.5	Verify Cessna 172 is selected aircraft	
6.6	Selecting the airport and starting location	
6.7	Selecting the weather (slider)	
6.8	Selecting the time of day (slider)	
6.9	Starting the flight	
<b>7</b>	<b>Air Manager details</b>	
7.1	Toggle switch operation	
7.2	Single knob operation	
7.3	Concentric knob operation (Garmin)	
7.4	Switch synchronization with panel	
7.5	Magnetic compass VS DG	
7.6	Accessing fuel selector switch	
<b>8</b>	<b>Button Box Operations</b>	
8.1	Reduced need for keyboard	
8.2	Changing views during flight	
8.3	'90 degrees left or right	
8.4	Chase view VS circle view	
8.5	View movement buttons	
8.6	Mouse scroll wheel zoom	
<b>9</b>	<b>Pitch Trim Control Operations</b>	
9.1	Via touch screen	
9.2	Mechanical via Cessna trim wheel	
9.3	Electric via yoke switches	
9.4	Trim indicator and knob visualization	
9.5	How pitch trim works in X-Plane	

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<b>10</b>	<b>Flap operations</b>	
10.1	Via touch screen	
10.2	Via mechanical flap switch	
10.3	Switch synchronization with panel	
<b>11</b>	<b>Taking a flight</b>	
11.1	Trip around the pattern	
11.2	Flight replay (DVR controller)	
11.3	Saving flights (naming convention)	
11.4	Saving situations (naming convention)	
11.5	Recalling saved flights and situations	
<b>12</b>	<b>Menus and Keyboard</b>	
12.1	X-Plane 11 keyboard map (cheat sheet)	
12.2	Brief overview of top menus	
12.3	Map controls (m)	
<b>13</b>	<b>Exit and log off</b>	
13.1	Quit X-Plane	
13.2	Quit Air Manager	
13.3	Logout of Windows	
<b>14</b>	<b>Repeat the login and logout process</b>	
14.1	Log in to Windows	
14.2	Start Air Manager	
14.3	Start X-Plane 11	
14.4	Exit X-Plane 11	
14.5	Exit Air Manager	
14.6	Log out of Window	
<b>15</b>	<b>Miscellaneous</b>	
15.1	Logging time on the sim	
15.2	Access to chapter building	
15.3	Flight sim scheduling procedure	
15.4	Customer support procedure	
15.5	Online documentation	
15.6	COVID protocols (ever changing)	

## Level 1

The following describes use of Air Manager without using Knobster

<b>16</b>	<b>Air Manager details (without Knobser)</b>		
16.1		Deselect Knobster operation	
16.2		Launch instrument panel in Air Mgr	
16.3		Toggle switch operation (same)	
16.4		Single knob operation (touch and swirl)	
16.5		Concentric knob operation (Garmin)	
16.6		Closing the panel (without exiting AM)	
16.7		Selecting Knobster operation	
16.8		Relaunching the instrument panel	
16.9		Single knob operation	
16.10		Concentric knob operation (Garmin)	