HOME (START)



THIS IS A WORK IN PROCESS

I expect to complete it ... someday

I hope it will help those new to MSFS 2020 to see how big it is and that very few will want, or need , to know all about it.

Any and all commentss are apppreciated.

Wayne/Gunk

HOME (START/WELCOME)



Gateway to understanding and using Microsoft Flight Simulator (MSFS 2020)

1. The sequence of screens and clickable icons shown will generally be from left to right and top to bottom. Using the Table of Contents will "jump" to the selected page where details about the SCREEN are explained.

Example: The START (HOME/WELCOME) screen has three tabs across the top and five large selections displayed on the screen itself; DISCOVERY FLIGHTS, WORLD MAP, FLIGHT TR, AINING, ACTIVITIES,, and MARKET PLACE. A selection of any of these locations will display that particular screen. Additionally, there are four icons, and a USER ID across the top and function tabs on the bottom.

1. NOTE: When a change is made, it is important that the function tab, on the

bottom of the screen, APPLY AND SAVE be selected to save the changes.

2. To assist in making decisions on any changes it is important to view the description on the right side of the screen.



HOME (START) /WELCOME

PURPOSE: Provide links from the HOME screen and links for information on pilots (pilots) ID and Servers.

The ALL PLAYERS (xx) icon displays the current (real time) pilots in your viewing area.

The MULTIPLAYER (xx) icon displays the current (real time) pilots that are logged into the group.

The LOCAL PLAYERS (xx) icon displays the current (real time) pilots in your FRIENDS group.

The ID or SERVER icon displays your MSFS ID and the installed level of MSFS. Plus the option to change servers.

The value after a heading is continually changed as pilots are detected on MSFS. When the value displayed is greater than the collumn can display it is necessary to click on the column heading twice and a scroll bar will be shown that allows viewing of all active pilots.

hicrosoft Flight Simulator - 12830.0	- 🗆 X
WORLD MAP	🎯 🕙 🗳 🔕 Gunk#5152 🏀
CubCrafters X Cub - Floats FROM	▲ LOCAL PLAYERS (40)
SELECT DEPARTURE	😝 Stalker06
RUNWAY BI-MAY	GardenLemur#5507
	B Lloyd4105
	(e) Nova#3784
	BnippetyBat32
	😝 Angelux Nova
	(GregP#7617
	Pluto700
	😝 mimilier721
	(e) darth828
	(e) Matthew384
	elta69inerA
	(e) Foy701
	BhawkDriver
	Trustgodbro#2391
	😝 Alazas #1642
	BlanketBoot3122
12:59 PM (12:59 PM UTC)	
[ESC CLOSE	

HOME - ALL PLAYERS/PILOTS

- **1.** The LOCAL PLAYERS (xx) icon displays the current (real time) pilots.
- **2.** Shows all LOCAL PLAYERS and the numbers active in your area.

The value after a heading is continually changed as pilots are detected on MSFS. When the value displayed is greater than one column can display it is necessary to click on the column heading twice and a scroll bar will be shown that allows viewing of all active pilots.

HOME - ALL PLAYERS/PILOTS

Similar Simulator - 1.29.30.0	- 🗆 X
WORLD MAP	Gunk#5152
CubCrafters X Cub - Floats FROM	^ LOCAL PLAYERS (40)
SELECT DEPARTURE	😝 Stalker06
RUNWAY	GardenLemur#5507
	B Lloyd4105
SEARCH P	(e) Nova#3784
	SnippetyBat32
	Angelux Nova
	(e) GregP#7617
	Pluto700
	😝 mimilier721
	(e) darth828
	(e) Matthew384
	elta69inerA
	6 Foy701
	BhawkDriver
	Trustgodbro#2391
	😝 Alazas #1642
	BlanketBoot3122
12:59 PM (12:59 PM UTC)	
ESC CLOSE	

The ALL PLAYERS (xx) icon displays the current (real time) pilots in your viewing area.

The value after a heading is continuely changed as pilots are detected on MSFS. When the value displayed is greater than one collumn can display it is necessary to click on the column heading and a scroll bar will be shown that allows viewing of all active pilots.

ACTIVE GROUP PLAYERS/PILOTS

🖺 Microsoft Flight Simulator - 1.29.30.0		- 🗆 X
WORLD MAP		🙆 🥴 🕒 🛛 Gunk#5152 🎊
CubCrafters X Cub - Floats FROM		 LOCAL PLAYERS (40)
SELECT DEPARTURE	SELECT ARRIVAL	😝 Stalker06
RUNWAY	RUNWAY	GardenLemur#5507
		(e) Lloyd4105
SEARCH P		🕞 Nova#3784
		SnippetyBat32
		Angelux Nova
		GregP#7617
		Pluto700
		mimilier721
		(e) darth828
		(e) Matthew 384
		(e) delta69inerA
		(e) Foy701
		() ShawkDriver
		(e) Trustgodbro#2391
		(e) Alazas #1642
		BlanketBoot3122
12:59 PM (12:59 PM UTC)		FLY
ESC CLOSE		

FIX------THIS SCREEN ------

When flying in a MULTIPLAYER GROUP this screen will display ACATIVE pilots in the group



HOME- FRIEND PILOTS

The ACTIVE PLAYERS (xx) icon displays the current (real time) pilots in your FRIENDS group. This screen displays two options:

- **1.** ONLINE is the default shows pilots that are active.
- 2. To show additional members, not on-line, click the DISCONNECTED (XX)

heading and use the scroll bar, if necessary, on the right of the list.



HOME - ID and SERVERS

Information displayed is your MSFS ID and the installed level of MSFS.

- **1.** The STATUS option (at this time) indicates that you are Online. A click of the small down arrow will display this data.
- 2. The SERVER information shows the current server in use and the connection speed in XX ms along with the strength of the signal indicated by number of bars.
- **3.** Use the small down arrow on the right of the line to see a list of available servers and their connection speeds. At times a selection for AUTOMATIC is displayed. It appears when using AUTOMATIC MSFS and selections.
- **4.** When flying with others it is important that all pilots be on the same serverto avoid possibler display differences.

HOME-PROFILE



Screen has two additional tabs at the top:

- **1. WELCOME and OPTIONS**
- 2. Four CLICKABLE ICONS and the ID option
- 3. Main display has four selectable screens: PILOT PROFILE MY HANGAR CONTENT MANAGER MY LOGBOOK
- The four sub-screens will provide associated data.
 Information on ID, screen is breakdown of hours flown, and summaries of LANDING CHALLENGE, BUSH TRIP and TRAINING flights. There is a single tab at the bottm to exit this screen.

PROVILE - PILOT PROFILE - STATISTICS

🕾 Microsoft Flight Sim	nulator - 1.29.30.0		- 🗆 X
	PROFILE PILOT PROFILE	۵	😃 🔮 🛟 Gunk#5152 🍥
	STATISTICS	ACHIEVEMENTS	
	Gunk#5152	239 _{HRS}	LANDING CHALLENGE 0/58 BUSH TRIP 0/32 TRAINING 5/43
	SEARCH	ج (۸) > RESU	JLTS FOUND: 30
	TOTAL FLIGHT TIME IN VERTICAL CLIMB (SEC)		376.84
	TOTAL FLIGHT TIME IN VERTICAL DIVE (SEC)		633.38
	POINTS OF INTEREST OBSERVED USING SMART CAMERA		0.00
2	CITIES OBSERVED USING SMART CAMERA		0.00
	WILDLIFE GROUPS OBSERVED USING SMART CAMERA		0.00
	NUMBER OF WEEKLY ACTIVITIES COMPLETED		0.00
	HIGHEST SCORE IN A SINGLE MISSION		0.00
		and the second s	
E	ESC) GO BACK		

- **1.** The screen shows seven of the thirty items recorded during a flight.
- 2. Use scroll bar to view additional satistical data recorded.
- **3. The SEARCH option is used to find various items, such as; stalls, airports, fuel times, and aircraft. etc.**

PROFILE - PROFILE - Achievements



- **1. Information is ID, hours flown**
- 2. LANDING CHALLENGE, BUSH TRIP, and TRAINING flights
- 3. Use scroll bar to view additional satistical data recorded.

PROFILE – HANGAR



This initial screen allows for viewing inside cockpit or an outside view.

- **1.** Arrow button, or airplane symbol, to view outside.
- 2. Yoke symbol for cockpit view.
- 3. SPECIFICATIONS tab, on the bottom, will show a description.
- 4. LIVERIES tab, displays available liveries
- 5. CHANGE AIRCRAFT tab, displays aircraft
- 6. SWITCH CAMERA tab, changes camera display

PROFILE- HANGAR - DESCRIPTION



- 1. DESCRIPTION of aircraft (when SPECIFICATIONS selected)
- 2. Selection to CHANGE AIRCRAFT

PROFILE- HANGAR - CHANGE AIRCRAFT



- **1. Installed aircraft Selection has a check mark, top left corner**
- 2. A search option, i.e. C172, or Boeing will display only those planes

PROFILE- HANGAR - LIVERIES



Use to select a livery

PROFILE - SWITCH CAMERA – SET VIEW



- **1.** Arrow or plane symbol to change screen display to outside view
- **2.** Yoke symbol to change display to inside view

PROFILE - CONTENT MANAGER

Microsoft Flight Simulator - 1.30.12.0						- 🗆 ×
PROFILE	CONTENT MANAGER			6 8	90	Gunk#5152
	R SEARCH	م	► RESULTS FOUND: 513	SORT BY DEFAUL	г	SELECT ALL
INSTALLED (502)	Flight Constants	DELUXE UPGRADE		INSTALLED 2.15 GB	UP TO DATE	I.
UPDATE AVAILABLE (0) INSTALLING (0)	Sundar			INSTALLED 2.46 GB	UP TO DATE	
SELECTED (U)	The second secon	TOP GUN: MAVERICK		INSTALLED 2.40 GB	UP TO DATE	
	**	4 WORLD UPDATE I: JAPAN BY MICROSOFT		INSTALLED 2.60 GB	UP TO DATE	
	**	WORLD UPDATE II: USA BY MICROSOFT		INSTALLED 6.27 GB	UP TO DATE	
		WORLD UPDATE III: UNITED KING	DOM & IRELAND	INSTALLED	UP TO DATE	
NO ITEM SELECTED						SPACE USED: 184.08 GB
ESC GO BACK						

Lists the software on the system:

- **1.** Total on system (513)
- 2. Installed (502)
- 3. Not installed (11)
- 4. Updates available

This is the first screen showing six of the 523 files on this system. View entries to verify what is installed and if any updates are needed.

GO BACK function to return to previous screen.

PROFILE – MY LOGBOOK

light Simulator - 1.30.12.0											
	MY LOGBOOK					6	88	0	Gu	nk#5152	۲
TERM		×1222			Zelle	BCA					
> MY L	OGBOOK										
A 🔁	LL SEARCH							P > RESULT	S FOUND:	1814	
DATE		DEP	ARTURE		ARRIVAL		OPERATIONAL		L TAKEOFI	FS LANT	DINGS
DATE	PDAIRE	ТІМЕ	PLACE	ТІМЕ	PLACE	TOTAL HIML-OFFEIGHT		DAY	DAY NIG	HT DAY N	ііднт
2/18/2023	CUBCRAFTERS X CUB	12 PM	PADU	4:08 PM	[PAKF] VICINITY	00:35:54	00 <mark>241</mark>	00:35:54		0	-1
2/18/2023	CUBCRAFTERS X CUB	2 41 PM	PACS	2:41 PM	[PACS] VICINITY	00:00:02	00:00:00	00:00:02	0 0	0	0
2/18/2023	CESSNA SKYHAWK BUSH G1000	1:11 AM	KOCF	1:11 AM	KOCF	00:00:00	00:0 <u>5 n2 PN</u>	00:09:00	0 0		
2/17/2023	CESSNA SKYHAWK BUSH G1000	10:51 PM	KOCF	10:51 PM	KOCF	00:00:00	00:02 4 TPM	00:00:00			
2/15/2023	CUBCRAFTERS X CUB	10:59 PM	PADU	11:03 PM	PACS	00:04:17	00:00:00	00:04:17			
2/15/2023	CUBCRAFTERS X CUB	10:25 PM	PADU	10:57 PM	PACS	00:32:19	00:00:00	00:32:19			
2/15/2023	CUBCRAFTERS X CUB	9:54 PM	PAUT	9:59 PM	[PAUT] VICINITY	00:05:14	00:00:00	00:05:14			
2/15/2023	4 BCRAFTERS X CUB	9:31 PM	PADU	9:38 PM	[PAUT] VICINITY	00:06:20	00:00:00	00:06:20			
2/15/2023	CUBCRAFTERS X CUB	9:16 PM	PAUT	9:16 PM	PAUT	00:00:15	00:00:00	00:00:15			
2/15/2023	CUBCRAFTERS X CUB	6:15 PM	PADU	6:40 PM	PAUT	00:25:00	00:00:00	00:25:00			
TOTAL						241:09:15	00:41:45	240:27:30	698 8	283	
					-						
ESC GO BACK											

- **1.** Scroll bar to step through the list
- **2.** Total log entries found (1814)
- **3.** SEARCH screen examples
- 4. GO BACK tab, return to previous screen

ICAO code to search for flights around that location Year flown ie. 2020, will list activity for that time period Aircraft ie. 172 to display information about the aircraft flights

PROFILE-MY LOGBOOK - SEARCH

Simulator - 1.29.30.0											
	MY LOGBOOK					6	88	C	G	Gunk#51	52
					X SI	A			/		
ЪМ	I OGBOOK										
							_			454	
	ALL 7/2						<u> </u>	> RESULT	S FOUND	151	
DATE	DIANE	DEP	ARTURE	,	ARRIVAL		OPERATIONAL	ONDITION TIME	TAKEO	FFS LAI	NDINGS
DATE	PLAIVE	TIME	PLACE	TIME	PLACE		NIGHT	DAY	DAY NI	GHT DAY	r NIGHT
8/21/2022	TEXTRON AVIATION CESSNA 172 SKYHA YK (G1000)	1:22 AM	KOCF	1:25 AM	KOCF	00:02:23	00:00:00	00:02:39	1 0	0	0
8/18/2022	TEXTRON AVIATION CESSNA 172 SKYHAWK (C	1:37 AM	KIGM	1:52 AM	[KIGM] VICINITY	00:15:16	00:00:00	00:15:16	1 0	0	
8/17/2022	TEXTRON AVIATION CESSNA 172 SKYHAWK (Control 1 - 1	2:56 PM	PHNL	3:05 PM		00:08:48	00:00:00	00:08:48	1 0	0	
8/17/2022	TEXTRON AVIATION CESSNA 172 SKYHAWK (G10	5 2:44 PM	PHSF	2:50 PM	[PHSF] VICINITY	00:05:13	00:00:00	00:05:13	1 0	0	
8/15/2022	TEXTRON AVIATION CESSNA 172 SKYHAWK (G1000) - FLOATS	S 7:48 PM	PHDH	7:50 PM	(PHDH) VICINITY	00:02:31	00:00:00	00:02:31	1 0	0	
8/15/2022	TEXTRON AVIATION CESSNA 172 SKYHAWK (G1000) - FLOATS	S 5:14 AM	KOCF	5:14 AM	KOCF	00:00:00	00:00:00	00:00:00	0 0	0	
8/8/2022	TEXTRON AVIATION CESSNA 172 SKYHAWK (G1000)	7:50 PM	KOCF	7:50 PM	KOCF	00:00:00	00:00:00	00:00:00	0 0		
8/4/2022	CESSNA 172 AS1000 N01WK	1:39 AM	KOCF	1:39 AM	KOCF	00:00:00	00:00:00	00:00:00	0 0	0	
7/30/2022	CESSNA 172 AS1000 N01WK	4:13 PM	WACZ	4:37 PM	WACZ	00:24:22	00:00:00	00:24:22	1 0	2	
7/25/2022	CESSNA 172 AS1000 N01WK WITH SKIS	4:28 AM	PATK	4:40 AM	[33AK] VICINITY	00:11:12	00:00:00	00:11:12	0 0		
TOTAL						238:45:08	00:41:45	238:03:23	684	8 279	91
						41					
ESC GO BACK											

- **1. Using the SEARCH function and entry of 172**
- **2. Returned 151 results**
- 3. 1757 total entries

Note:

An entry pf unique aircraft names does not show the totals for the searched item but only had the overall totals for this screen. This is not a show stopper but it does have some good information and it will probably be fixed in future updates.

HOME - OPTIONS - GENERAL OPTIONS - GRAPHICS

🔛 Microsoft Flight Simu	ulator - 1.29.30.0			- 🗆 X
	OPTIONS	GENERAL OPTIONS	6 8	😫 📮 Gunk#5152 🍥
	► GENERAL	OPTIONS		
	GRAPHICS	Pr Pr	. 4	DESCRIPTION
	CAMERA	SEARCH P >	RESULTS FOUND: 68	Adjust graphics settings.
	SOUND		WINDOWED	
	TRAFFIC	FULL SCREEN RESOLUTION	1920X1080	
	DATA	ANTI-ALIASING		
	FLIGHT MODEL	RENDER SCALING (RENDERING RESOLUTION 1920)	(985) 1	2
COLOR DAMAGE	MISC	AMD FIDELITYFX SHARPENING V-SYNC		
	ACCESSIBILITY	NVIDIA REFLEX LOW LATENCY	< OFF	
	DEVELOPERS	FRAME RATE LIMIT	100% MONITOR REFRESH RATE	■ 3
	VP MODE		< OFF	
		GLOBAL RENDERING OUALITY		
	EAFERIMENTAL	ADVANCED SETTINGS		
		TERRAIN LEVEL OF DETAIL	0 1	<u> </u>
		OFF SCREEN TERRAIN PRE-CACHING	HIGH	
E	SC GO BACK F12 RESET TO DE	FAULTS		

Notes: For the most part the value or selections for displaying graphics is basically personal. My comment here is to offer a standard way to begin.

After a few flights you will probably want to change some items to better reflect how your system is performing. In no way should these selections be viewed as the best as every system is different and as is every user.

- **1. Select DISPLAY MODE**
- **2.** To access other applications set the selection to WINDOWED.
- 3. Verify, or change, the screen resolution. Most use recommended.
- 4. Check the DESCRIPTION column for the purpose of this screen.
- 5. DIRECT X VERSION (optional selection)

OPTIONS - GENERAL OPTIONS – GRAPHICS 1

ght Simulator - 1.29.30.0					
	GENERAL OPTIONS		6	Gunk#515	2
TREATZ					
📓 ≽ GENERA	L OPTIONS				
GRAPHICS		DC		DESCRIPTION	
CAMERA				Adjust the visual quality of procedu	rally-
UNITED S	SEARCH	C RESULTS FOUND: 08		Higher values will improve visual qu	ality
SOUND	GLOBAL RENDERING QUALITY	<u>> ≦</u>	HIGH-END		
TRAFFIC	ADVANCED SETTINGS				
DATA	TERRAIN LEVEL OF DETAIL		•	100	
	OFF SCREEN TERRAIN PRE-CACHING		HIGH		
FLIGHT MODEL	TERRAIN VECTOR DATA	1	HIGH		
MISC	BUILDINGS		HIGH		
ACCESSIBILITY	TREES		HIGH		
	GRASS AND BUSHES	Image: A state of the state	HIGH		
DEVELOPERS	OBJECTS LEVEL OF DETAIL		•	100	
VR MODE	VOLUMETRIC CLOUDS	Image: A state of the state	HIGH	2	
EXPERIMENTAL	TEXTURE RESOLUTION		HIGH		
	ANISOTROPIC FILTERING		8X		
	TEXTURE SUPERSAMPLING		4X4		
	TEXTURE SYNTHESIS		HIGH		
	The second s	· · · · · · · · · · · · · · · · · · ·			
ESC GO BACK F12 RESET TO	DEFAULTS				

- **1. There are many selections offered. Use the scroll bar to view all.** *Be patient.*
- 2. The values shown are for my system

-

WELCOME – OPTIONS - GENERAL OPTIONS - GRAPHICS 2

	GENERAL OPTIONS		6 8	😫 📮 Gunk#5152
GENERAI	L OPTIONS			
GRAPHICS		DC		DESCRIPTION
CAMERA				Adjust the quality of raymarched
CAMERA	SEARCH	P RESULTS FOUND. 08		Higher values will improve visual quality
SOUND	SHADOW MAPS		1536	but may affect performance.
TRAFFIC	TERRAIN SHADOWS		512	2 📐
DATA	CONTACT SHADOWS		HIGH	
	WINDSHIELD EFFECTS		HIGH	
FLIGHT MODEL	AMBIENT OCCLUSION		HIGH	
MISC	CUBEMAP REFLECTIONS		192	
ACCESSIBILITY	RAYMARCHED REFLECTIONS		HIGH	1
	LIGHT SHAFTS		HIGH	
DEVELOPERS	BLOOM		ON	
VR MODE	DEPTH OF FIELD		HIGH	
EXPERIMENTAL	MOTION BLUR		HIGH	
	LENS CORRECTION		OFF	
	LENS FLARE		ON	
	GLASS COCKPIT REFRESH RATE		MEDIUM	
	The second second second second			
ESC GO BACK F12 RESET TO	DEFAULTS			

1. The selections shown are for my system.

2. When in doubt start with everything at DEFAULT.

WELCOME – OPTIONS - GENERAL OPTIONS - CAMERA

	GENERAL OPTIONS		۷ ک	Gunk#5	152 🚳
		1			
PICEITEIT					
GRAPHICS	SEARCH	P RESULTS FOUND: 24		DESCRIPTION	
CAMERA	GLOBAL SETTINGS			Set the default behavior for Zoo function.	om
SOUND		Image: A start and a start	Соскріт	Manual: Use dedicated inputs t	o zoom-
TRAFFIC	QUICK VIEW FUNCTION		HOLD	Focus: Enable Focus mode. Rig	ht click to
	SMART CAMERA	3	HOLD	zoom into the center of the scr	een. If an .ook, the
DATA			MANUAL	can ara will switch automatical associ ted instrument view.	ly to the
FLIGHT MODEL	FOCUS MODE		HOLD		
MISC	COCKPIT CAMERA			4	
ACCESSIBILITY	COCKPIT CAMERA SELECTION		LANDING		
	FREE LOOK MODE		TOGGLE		
DEVELOPERS	FREE LOOK RESET		MANUAL		
VR MODE	HEAD UP MODE		HOLD		
EXPERIMENTAL	HEIGHT		•	50	
	HORIZONTAL POSITION		•	50	
	ZOOM		•	50 50	
	ZOOM SPEED	•		10	
				-	ALC: NOT
ESC GO BACK F12 RESET TO	DEFAULTS F11 APPLY AND SAVE				

- 1. Check to see how many selections are available
- 2. GLOBAL SETTING
- 3. Settings are for the COCKPIT CAMERA
- **4.** The selections shown are for this system

OPTIONS - GENERAL OPTIONS – CAMERA 1

OPTIONS	GENERAL OPTIONS		Gunk#5152
GENERA			
TOENERA			DECODIDITION
GRAPHICS	SEARCH	P > RESULTS FOUND: 24	DESCRIPTION
CAMERA			Adjust momentum of the External Fre
SOUND	ZOOM SPEED	•	10
	FREELOOK SPEED	•	50
RAFFIC	FREELOOK MOMENTUM	•	50
АТА	CAMERA SHAKE		
FLIGHT MODEL	FLASHLIGHT MODE	AUTO	
MISC	HOME COCKPIT MODE		
ACCESSIBILITY			
DEVELOPERS	INSTRUMENT VIEW SELECTION	MANUAL	
/R MODE	CHASE CAMERA		3
EXPERIMENTAL	POV RESET	MANUAL	
	ZOOM SPEED	•	
	EXTERNAL FREELOOK SPEED	•	50
	EXTERNAL FREELOOK MOMENTUM	O	 50
		and the second se	
		741	
GO BACK F12 RESET TO	D DEFAULTS		

- **1.** Settings for the COCKPIT CAMERA
- **2.** Settings are for the INSTRUMENTS and CHASE CAMERA
- **3.** Selections shown are for this system

Note: Remember to view the DESCRIPTION column to assist in choosing settings.

OPTIONS - GENERAL OPTIONS - SOUND

🕾 Microsoft FI	light Simulator - 1.30.12.0			- 🗆 ×
_		GENERAL OPTIONS	@ @	2 O Gunk#5152
				511
	> GENERA	AL OPTIONS		
4	GRAPHICS	SEARCH	> RESULTS FOUND: 20	DESCRIPTION
	CAMERA	MAIN DEVICE OUTPUT SELECTION	SYSTEM'S DEFAULT DEVICE	Enable or disable Spatial Sound functionality.
	SOUND	COMMUNICATION DEVICE SELECTION	SYSTEM'S DEFAULT DEVICE	48
	TRAFFIC	HEADPHONE SIMULATION	C OFF	
	DATA	WARNING SOUNDS IN EXTLE	< ON >	
	FLIGHT MODEL	ACTIVE SPATIAL SOUND		5
	MISC	CONVERT AUDIO TO MONO 3	OFF >	
-		ATC TEXT-TO-SPEECH SETTINGS	AZURE	
	ACCESSIBILITY	MUSIC SELECTION		
	DEVELOPERS	MUTE AUDIO IN BACKGROUND	ON >	
	VR MODE			
	EXPERIMENTAL	MASTER	100	
		VOICES		4
		AIRCRAFT ENGINES	2	5
		AIRCRAFT MISCELLANEOUS	62	2
				-
0	ESC GO BACK F12 RESET	TO DEFAULTS F11 APPLY AND SAVE		

NOTE: When setting SOUND options it is important to view the DESCRITION for each item.

- **1. Defined main output sound device**
- **2. Communications device**
- **3. Recommended ATC device application**
- 4. MSFS sound options
- 5. Preferences (turn ON or OFF)

Note: The selections shown on the screens are personal settings and are defined by the equipment installed on this system.

OPTIONS - GENERAL OPTIONS - TRAFFIC

RAM:45% CP	PU: 20% 🔿 🎢	BUIDE X2D.odt - OpenOffice Writer			- 🗆 X	
🕾 Microsoft Flight S	Simulator - 1.30.12.0					- 🗆 X
		GENERAL OPTIONS		622	Gunk#5152	
	TRAILS					1
	FIGLNERAL					
	GRAPHICS		PC	>	DESCRIPTION	
/	CAMERA	SEARCH	RESULTS FOUND: 29		Adjust ophics settings.	
	SOUND	aviation traffic				
	TRAFFIC	AIRCRAFT TRAFFIC TYPE	× ×	AI OFFLINE		
	DATA	AI AIRCRAFT TRAFFIC DENSITY	•	0		
	ELICHT MODEL	SHOW TRAFFIC NAMEPLATES	<u> </u>	ON >		•
mand-	FEIGHT MODEL					
	MISC	AIRPORT VEHICLE DENSITY		- 50		
	ACCESSIBILITY	GROUND AIRCRAFT DENSITY		- 50		
	DEVELOPERS	WORKER DENSITY		- 50		
1	VR MODE	LAND AND SEA TRAFFIC				
	EXPERIMENTAL	LEISURE BOATS	-0	10		
		ROAD VEHICLES		• 50		
		SHIPS AND FERRIES		10		-
		FAUNA DENSITY				1 million
						1
	ESC GO BACK F12 RESET TO DE	FAULTS F11 APPLY AND SAVE				

- 1. It is very important to read the DESCRIPTION for each setting.
- 2. A reminder to use the scroll bar (on the right) to see all options.
- **3.** There are three options, AI OFFLINE, REAL TIME ONLINE, and OFF. Setting determines what type of aircraft to display.
- 4. NAMEPLATES is necessary to see the identity of other fliers in the area.

OPTIONS - GENERAL OPTIONS - TRAFFIC 2

OPTIONS	GENERAL OPTIONS		ی ک	Gunk#51
			A	
OLNENA				DESODIDITON
GRAPHICS		PC	>	Adjust the empire of fours in the
CAMERA	SEARCH	P RESULTS FOUND: 29		Adjust the amount of fauna in the
SOUND	AIRPORT VEHICLE DENSITY			50
TRAFFIC	GROUND AIRCRAFT DENSITY		•	50
DATA	WORKER DENSITY			50
FLIGHT MODEL	LAND AND SEA TRAFFIC			
	LEISURE BOATS		•	10
MISC	ROAD VEHICLES		•	50
ACCESSIBILITY	SHIPS AND FERRIES		•	10
DEVELOPERS	FAUNA DENSITY	—	O	61
VR MODE	AI AND MULTIPLAYER TRAFFIC	DETAIL		
EXPERIMENTAL	USE GENERIC AIRCRAFT MODEL	S (AI TRAFFIC)	ON	
	USE GENERIC AIRCRAFT MODEL	S (MULTIPLAYER)	OFF	
	SHOW MULTIPLAYER AIRCRAFT	IN CLOSE PROXIMITY	ON	
	TRAFFIC VARIETY		ULTRA	
		1 P 4		
			- T	
C GO BACK F12 RESET T	0 DEFAULTS			

- **1.** Setting values will affect how much is displayed and the performance of MSFS. *Also other add-ons may affect this as well.*
- **2.** This is an important section to define when flying MULTIPLAYER and affects what is shown and the FRAMES PER SECONDS the system can provide.
- 3. Affects how FRIENDS aircraft will be displayed.
- 4. Set to ON to allow aircraft to be seen when in close proximity.

OPTIONS - GENERAL OPTIONS - DATA 1

SCARCH CAMERA CAMERA CONNECTION SUND ONLINE FUNCTIONALITY BING DATA WORLD GRAPHICS CONNECTION		DESCRIPTION See how much data is being used by Elich Simulator on a monthly basis
GRAPHICS GRAPHICS GRAPHICS GRAPHICS CAMERA DATA CONNECTION SOUND ONLINE FUNCTIONALITY BING DATA WORLD GRAPHICS		DESCRIPTION See how much data is being used by
CAMERA DATA CONNECTION SOUND ONLINE FUNCTIONALITY BING DATA WORLD GRAPHICS		See how much data is being used by
SOUND ONLINE FUNCTIONALITY	_	right officiator of a monthly basis.
BING DATA WORLD GRAPHICS	ON 🔁 🔁	
	ON >	
PHOTOGRAMMETRY C	ON >	
LIVE REAL-WORLD AIR TRAFFIC	ON 📐	
FLIGHT MODEL LIVE WEATHER	ON N	<u>~</u>
MISC MULTIPLAYER	ON N	
ACCESSIBILITY DATA CONSUMPTION		
CURRENT DATA CONSUMPTION	861.21 MB	
	LIMIT 0.00 GB 0.00 GB	r <mark>2</mark>
DATA TRACKING RESET DAY		
EXPERIMENTAL DATA LIMITATION	OFF >	
DATA WARNING (GIB)		

- **1.** Set to ON to have the LIVE WEATHER option available when setting FLIGHT CONDITIONS.
- **2.** Set to ON to have the MULTIPLAYER option available when setting FLIGHT CONDITIONS.
- **3.** Value is how much data has been totaled since DATA TRACKING RESET DAY (three lines down) has occurred.
- 4. Select APPLY AND SAVE.

Note: It is suggested to fly using the default values. Changes on this screen affects many operations when flying and may result in "jitters" during flight.

OPTIONS - GENERAL OPTIONS - DATA 2

nulator - 1.29.30.0			0.00	
	GENERAL OPTIONS			Gunk#5152
N N Z				
➤ GENERA	L OPTIONS			
GRAPHICS	SEARCH	P > RESULTS FOUND: 18		DESCRIPTION
CAMERA				This will delete your currently selected
SOUND	CURRENT DATA CONSUMPTION		1.96 GB	cache option will also be turned off, an will have to be turned back on to create
SUUND	0		0.00 GB	select a new file.
TRAFFIC	DATA TRACKING RESET DAY	•		
DATA	DATA LIMITATION		OFF >	
FLIGHT MODEL	DATA LIMIT (GIB)			
NICO				
MISC	DATA BANDWIDTH USAGE LIMIT			
ACCESSIBILITY	BANDWIDTH		UNLIMITED 🗾	
DEVELOPERS	ROLLING CACHE SETTINGS			
VR MODE	ROLLING CACHE		ON 🗾	2
EXPERIMENTAL	ROLLING CACHE LIMIT (GIB)		8	
	ROLLING CACHE PATH	C:\USER	S\GUNKE\APPDATA\LOCAL\P	
	DELETE ROLLING CACHE FILE	DELETE		
	MANUAL CACHE	VIEW		
				and the second se
SC GO BACK F12 RESET T	O DEFAULTS			

- **1.** After doing a VIEW as seen when using step 2 (in the next screen).
- **2.** Reveals the information of the MANUAL CACHE.



OPTIONS - GENERAL OPTIONS - DATA 3

- **1.** Indicates that MANUAL CACHE is being viewed.
- **2.** Shows the locaion of the MANUAL CACHE and it affects the storage locaion of the data. Depending on space this location can be modified.
- **3.** After viewing click on GO BACK to return to previous screen.

OPTIONS - GENERAL OPTIONS - MISC

lock.GUIDE X2D.odt#	■ RAM-45% CPUE228	noffice Writer Format Table Tools Window Belp		- 0 X X		- 0
G X2		GENERAL OPTIONS		6 2 2	Gunk#5152	۲
G BACI tk	> GENERA	L OPTIONS				
VFR	GRAPHICS	SEARCH	P RESULTS FOUND: 10		DESCRIPTION	
(LHF	CAMERA	INTERNATIONAL SETTINGS				
REFI 1	SOUND	LANGUAGE		EN-US		
2023	TRAFFIC	UNITS OF MEASUREMENT		U.S. SYSTEM		
	DATA	PILOT AVATAR SETTINGS				
REFE 18	FLIGHT MODEL	PILOT AVATAR		PILOT 3		-
-202	MISC	CO-PILOT AVATAR	<u> </u>	PILOT 2		
-	ACCESSIBILITY	MILITARY INSTRUCTOR		LT. SIMON HERNANDEZ		
1359	DEVELOPERS	ABOUT FLIGHT SIMULATOR				
	VR MODE	LEGAL	- 3 VIEW			
	EXPERIMENTAL	CREDITS	VIEW			
bago		CREDITS - JULY 2021	VIEW			100
G		OKEDHO 40111 ANNIVERSART	VILW			
X21			-			
						-

- **1.** Set to local area values. (user perference)
- **2.** Determines PILOT and CO-PILOT that may be displayed in user aircraft.
- **3.** Detailed information about MICROSOFT FLIGHT SIMULATOR.

OPTIONS - GENERAL OPTIONS - ACCESSIBILITY 1

OPTIONS	GENERAL OPTIONS		6	80	Gunk#5152
				-	
GENERA	L OPTIONS				
CRADUICS				DE	SCRIPTION
GRAPHICS	SEARCH	> RESULTS FOUND: 23		Adiu	ist how to interact with cockpit
CAMERA	SCREEN NARRATION SETTINGS			inst	ruments.
SOUND	ENABLE SCREEN NARRATOR		OFF	Leg syst	acy" mode is the original control em, intended exclusively fo <u>r mouse</u>
TRAFFIC	SCREEN NARRATOR VOLUME			50 User	
				50 "Loc syst	k" mode is a universal control em, available for a variety of
DATA				50 peri keyt	pherals (including controllers, board, and joysticks).
FLIGHT MODEL					
MISC	MINIMUM TEXT SIZE	•		18	
ACCESSIBILITY	INTERFACE SCALE		•	100	
	COCKPIT INTERACTION SYSTEM		LOCK		
DEVELOPERS	MENU TOOLTIPS		OFF		
VR MODE	INSTRUMENT NAME TOOLTIPS	3	OFF		
EXPERIMENTAL	INSTRUMENT DESCRIPTION TOOLTIP		OFF		
	BACKGROUND OPACITY	<u> </u>		20	
	MAIN COLOR		DEFAULT		
	MENU ANIMATIONS		OFF		
				-	100 million

- **1.** How the NARRATION wil be presented.
- **2.** How INTERFACE information will be shown.
- **3.** Sets one of eight MAIN COLOR and INTERFACE options

OPTIONS - GENERAL OPTIONS - ACCESSIBILITY 2



Use to adjust XBOX cursor speed.

- **1.** Set the XBOX controller CURSOR speeds.
- **2.** Adjust the SUBTITLES of dialog boxes.

OPTIONS - ASSISTANCE OPTIONS – Aircraft SYSTEMS



- 1. Level of support of Auto mixture, Fuel limit, Lights, and Gyro Drift
- 2. Failure and Damage as to Crash, Aircraft Stress, Engine and Icing effects.
- 3. NAVIGATION AIDS (Route and Way-points, Taxi Ribbon, and Landing Path.)

PURPOSE: Here the amount of assistance is available to help the beginner pilot, a pilot who has some experience and only needs or wants some help, and a pilot that doesn't want any help and wants a true to life experience.

OPTIONS - ASSISTANCE OPTIONS - PILOTING



- **1.** There are 48 items availble for modification that exist for flight controls, an ATC option, adjustment to controller sensitivity, glider, and helicoptor options.
- 2. Indicates level of changes for assistance. (determined by items ON or OFF)

OPTIONS - ASSISTANCE OPTIONS - USER EXPERIENCE



- 1. Set level of support for aircraft systems, checklists, VFR map, Nav Log, Heads Up Display, effects on pilot of G-forces.
- 2. Description states that some options might be overridden in some Activities.
OPTIONS - CONTROLS OPTIONS – DEFAULT SCREEN



- **1.** FILTER has four options; ASSIGNED, ESSENTIAL, ALL, and NEW. Depending on screen usage, select proper FILTER to view entries.
- **2.** To see if a key, or switch is being used, select this window and press the key, or switch ,to view status.
- **3.** To search for a function's status, enter the name and the result will be the assigned key or switch.
- **4.** SENSITIVITY used to view, or change , a controller function. First select the CONTROL and then use this item to adjust sensitivity of the device if appropriate.
- 5. KEYBOARD is the primary setup for the majority of the functions. Another use is to display the assigned function along with the key, or key combination, to activate the function.
- 6. MOUSE, as seen here, is the default screen for CONTROL OPTIONS.
- 7. VIRTUAL HID DEVICE (one of many devices) on this system. Other items may be FOOT PEDALS, JOY STICK, YOKE, or VR controller.
- **8.** When JOY STICK CONTROLLER used it can be a single device and modifiable for different aircraft, gliders, and helicopters.
- **9.** Selected controller is shown and will display with key layout.

OPTIONS - CONTROLS OPTIONS - CONTROLLER SCREEN

Microsoft Flig	ght Simulator - 1.30.12.0					- L ×
		CONTROLS OPTIONS				Gunk#5152
						1211
	`≻ ∣CONTRO	LS OPTIONS				
1	KEYI	BOARD	MOUSE		X52 H.O.T.A	S.
	DEI		DEFAULT	TRACKIR PROFILE	DESCRIPTION	DNTORL 3
	SEARCH	✓ CAMERA ✓ FLIGHT CONTI	ROL SURFACES	8		11
	SEARCH BY NAME	P V BRAKES	2			-
	SEARCH BY INPUT		GEMENT			
Contraction of the	Select an input	V LANDING GEA	3			-0.00
			4		6 0	
/	EXPAND / COLLAPSE ALL		5			
			6			
			7		000 000	
	ESC GO BACK M OPEN PRE	ESET MANAGER				

Screen displays buttons, rotary knobs, and Axis sliders of controller.

- **1.** Select CAMERA to setup the COCKPIT, EXTERNAL, and DRONE cameras. *Some selections may be assigned to multiple cameras.*
- **2.** FLIGHT CONTROL SURFACES opens the PRIMARY, SECONDARY, and TRIM controls sections.
- **3.** BRAKES option is used to assigns rudder and brake functions.
- **4.** AUTO PILOT option allows various assignments for addressing how this functions performs. (on, off, hdg, nav. etc)
- **5.** POWER options has multiple selections for assignment of the THROTTLE, MIXTURE, and PROPELLER.
- **6.** LANDING GEAR has options for raising and lowering the gear and options when flying with floats such as Water Rudders up and down.
- **7.** A visual of the CONTROLLER is displayed for reference only.
- 8. X-52 CONTROLLER and the variation when necessary.

OPTIONS - CONTROLS OPTIONS – COCKPIT CAMERA

Microsoft Flight Simulator - 1.29.30.0			- 0
	CONTROLS OPTIONS		😢 💄 🏮 Gunk#5152 🌍
		2	
FICONTROLS	S OF HONS		
КЕҮВОА	RD MOUSE	VIRTUAL HID DEVICE	X52 H.O.T.A.S.
DEFAULT	DEFAULT	TRACKIR PROFILE	SAITEK X52 FLIGHT CONTORL 3
SENSITIVITY			DESCRIPTION
SEARCH			COCKPIT QUICKVIEW LEFT
	RESET COCKPIT VIEW	JOYSTICK BUTTON 9	Shift the cockpit view eyepoint 90° left. Can be set on toggle or hold in the camera
	PREVIOUS PILOT POSITION		options.
Palast as input	NEXT PILOT POSITION	JOYSTICK POV DOWN	
Select an input	INCREASE COCKPIT VIEW HEIGHT	JOYSTICK BUTTON 28	
FILTER	DECREASE COCKPIT VIEW HEIGHT	JOYSTICK BUTTON 27	() () () () () () () () () () () () () (
ASSIGNED			
EXPAND / COLLAPSE ALL			
		JUTSTICAPOVLEPI	
	YAW DRONE RIGHT		
	TRANSLATE DRONE OF		
		4	
	ANAGER		

- **1.** COCKPIT CAMERA selected
- 2. Controller (white) and variation (black) selected
- **3.** List of controller keys assigned
- 4. Pictorial of controller

OPTIONS - CONTROLS OPTIONS – DRONE CAMERA

🖺 Microsoft Flight Si	imulator - 1.29.30.0			- 🗆 ×
		TROLS OPTIONS		🕴 💽 📮 Gunk#5152 🍈
	CONTROLS O	PTIONS	2	
	KEYBOARD	MOUSE	VIRTUAL HID DEVICE	X52 H.O.T.A.S.
	DEFAULT	DEFAULT		< SAITEK X52 FLIGHT CONTORL 3 >
	SENSITIVITY			DESCRIPTION
	SEADOU	COCKPIT CAMERA		
		- DRONE CAMERA		
		YAW DRONE RIGHT		
		YAW DRONE LEFT	JOYSTICK POV RIGHT	
	Select an input	TRANSLATE DRONE UP	JOYSTICK POV DOWN 4	
1100	FILTER	TRANSLATE DRONE DOWN	JOYSTICK POV UP	<u>କ୍ରିର୍ଦ୍ଧ</u> ୍ୟୁକ୍ରରେଷ
	ASSIGNED 🗾 📐	~ EXTERNAL CAMERA		
	EXPAND / COLLAPSE ALL	EXTERNAL QUICKVIEW TOP	JOYSTICK POV UP	
		EXTERNAL VIEW RIGHT	JOYSTICK POV RIGHT	
		EXTERN 3 EW REAR	JOYSTICK POV DOWN	
		EXTERNAL QUICKVIEW LEFT	[JOYSTICKPOV LEFT]	
		^ SLEW MODE		
		SLEW TRANSLATE RIGHT		000 000
	ESC OF BACK M OPEN PRESET MANAGE			

- **1. DRONE CAMERA selected**
- 2. Controller (white) and variation (black) selected
- **3.** ASSIGNED values selected
- 4. List of controller keys assigned
- **5.** Pictorial of controller

OPTIONS - CONTROLS OPTIONS – SLEW MODE

🖺 Microsoft Flight S	Simulator - 1.29.30.0			- 🗆 X
		TROLS OPTIONS	6 9	Gunk#5152
	>CONTROLS O	PTIONS	2	
	KEYBOARD	MOUSE	VIRTUAL HID DEVICE	X52 H.O.T.A.S.
	DEFAULT	DEFAULT	TRACKIR PROFILE	SAITEK X52 FLIGHT CONTORL 3 >
	SENSITIVITY SEARCH SEARCH BY NAME P SEARCH BY NAME P Select an input FILTER FILTER ASSIGNED EXPAND/COLLAPSE ALL		JOYSTICK BUTTON 11 JOYSTICK BUTTON 12 JOYSTICK BUTTON 5	
	ESC GO BACK M OPEN PRESET MANAGER	NTROL SURFACES TOG 3 RUDDER RUDDER AXIS I REVERSE AXIS ELEVATOR AXIS	JOYSTICK BUTTON 30 JOYSTICK R-AXIS Z JOYSTICK L-AXIS Y 5	

- **1.** SLEW MODE selected
- 2. Controller (white) and variation (black) selected
- 3. ASSIGNED values
- 4. List of controller keys assigned
- **5.** Pictorial of controller

OPTIONS - CONTROLS OPTIONS – CAMERA MODE SWITCHES

🖺 Microsoft Flight Si	.imulator - 1.29.30.0						- 🗆 ×
		CONTROLS OPTIONS			622	Gunk#515	2 🛞
			NAM				11
	CONTROLS	OPTIONS		2			
	KEYBOARI	D	MOUSE	VIRTUAL HID DEVICE		X52 H.O.T.A.S.	
1	DEFAULT		DEFAULT	TRACKIR PROFILE	SAIT	EK X52 FLIGHT CONTORL 3	
E	SENSITIVITY	▲ CAMERA			DE	ESCRIPTION	
	SEARCH		RA		c	OCKPIT/ EXTERNAL VIEW MODE	
		P DRONE CAMERA			S	witch between Cockpit and External vie	ew.
	SEARCH BY INPUT	EXTERNAL CAM	ERA				
	Saleet an input	- SLEW MODE					• • • • • •
manute and	Select an input	SLEW TRANSLATE RI	СНТ	JOYSTICK BUTTON 11		¹⁰ - n ²	
THE R. L.	FILTER			JOYSTICK BUTTON 12		00000-0000 00000-0000	
		CAMERA MODE :	SWITCHES		4		(1)
	EXPAND / COLLAPSE ALL	COCKPIT/ EXTERNAL		JOYSTICK BUTTON 5			
		FLICHT CONTROL					
					(- (9)
		REVERSE AXIS		JOTSTICK MARISZ			
		ELEVATOR AXIS				000 98 89~ -	Contraction of
	and the second se						
		The second second					
	ESC GO BACK M OPEN PRESET MAN	NAGER					

- **1.** CAMERA MODE selected
- 2. Controller (white) and variation (black) selected
- **3.** ASSIGNED values selected
- 4. Controller key assigned
- **5.** Pictorial of controller

OPTIONS - CONTROLS OPTIONS – PRIMARY FLIGHT CONTROL SURFACES

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		ONTROLS OPTIONS			6 8 2	Gunk#	5152 🌍
		OPTIONS		2	<u> </u>		
	KEYBOARD		MOUSE	VIRTUAL HID DEVI	CE	X52 H.O.T.A.S.	
1	DEFAULT		DEFAULT	TRACKIR PROFILE		EK X52 FLIGHT CONTORL 3	
	SENSITIVITY				DE	SCRIPTION	
	SEARCH	 FLIGHT CONTRO PRIMARY CON 	L SURFACES		_		
	SEARCH BY NAME 🔎	TOGGLE WATER R	IDDER	JOYSTICK BUTTON 30			
	SEARCH BY INPUT	RUDDER AXIS		JOYSTICK R-AXIS Z			
CREEKE AND	Select an input	🗹 REVERSE AXIS					- 1 S - 1
		ELEVATOR AXIS		JOYSTICK L-AXIS Y	4 G		
	FILTER	REVERSE AXIS				@	
		AILERONS AXIS		JOYSTICK L-AXIS X		0 0 0 0 0 0	,O
	EXPAND / COLLAPSE ALL	🗹 REVERSE AXIS					
		CONTROL TRI	MMING SURFACES				
			п	JOYSTICK BUTTON 17			
				JOYSTICK BUTTON 19			7
		ELEVATOR TRIM U	P (NOSE UP)	JOYSTICK BUTTON 18			
		ELEVATOR TRIM D	DWN (NOSE DOWN)	JOYSTICK BUTTON 16		()(()())()()()()()()()()()()()()()()()	
					9		-
1	ESC GO BACK M OPEN PRESET MANAG	GER					

- **1.** PRIMARY FLIGHT CONTROL SURFACES selected
- 2. Controller (white) and variation (black) selected
- **3.** ASSIGNED values selected
- 4. Controller keys assigned
- 5. Pictorial of controller

OPTIONS - CONTROLS OPTIONS – SECONDARY CONTROL SURFACES

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		ONTROLS OPTIONS		6 & 1	. Gunk#5152	
						/
	> CONTROLS	OPTIONS	2			
	KEYBOARD	MOUSE	VIRTUAL HID I	DEVICE	X52 H.O.T.A.S.	
	DEFAULT	DEFAULT		IFILE SAITE	EK X52 FLIGHT CONTORL 3	
	SENSITIVITY	Y GAIVIERA WIUDE SWITTGES		DE	SCRIPTION	H
	SEARCH	FLIGHT CONTROL SURFACES	<u></u>			
	SEARCH BY NAME	CONTROL TRIMMING SURFACE	S FS			
	SEARCH BY INPUT	SECONDARY CONTROL SURFA	ACES			
	Select an input	INCREASE FLAPS	JOYSTICK BUTTON 3			
manage and the		DECREASE FLAPS	JOYSTICK BUTTON 4	G		
	FILTER	- BRAKES	4		@@@@	
		TOGGLE PARKING BRAKES	JOYSTICK BUTTON 12			
	EXPAND / COLLAPSE ALL	RIGHT BRAKE	JOYSTICK BUTTON 22			
		LEFT BRAKE	JOYSTICK BUTTON 23			
		BRANSS	JOYSTICK BUTTON 1			
		~ AUTOPILOT				
			JOYSTICK BUTTON 2			
		A POWER MANA		5		
		THE REAL PROPERTY OF		.		
(ESC GO BACK M OPEN PRESET MANA	GER				

- 1. SECONDARY FLIGHT CONTROL SURFACES selected
- 2. Controller (white) and variation (black) selected
- **3.** ASSIGNED values selected
- 4. Controller keys assigned
- 5. Pictorial of controller

Note: Two keys have been assigned, one to lower flaps and another to raise flaps.

OPTIONS - CONTROLS OPTIONS – AUTO PILOT & POWER MANAGEMENT

🖺 Microsoft Flight Si	imulator - 1.29.30.0			- 0	×
		NTROLS OPTIONS		😃 💶 📮 🛛 Gunk#5152 🌍	
	> CONTROLS C	OPTIONS	2		T
7		MOUSE 3	VIRTUAL HID DEVICE	X52 H.O.T.A.S.	
	SENSITIVITY	AUTOPILOT		DESCRIPTION	
	SEARCH SEARCH BY NAME > SEARCH BY INPUT > Select an input • FILTER ASSIGNED > EXPAND / COLLAPSE ALL	AUTOPILOT ON A POWER MANAGEMENT A THROTTLE THROTTLE AXIS MIXTURE AXIS (0 TO 100%) KIXTURE AXIS (0 TO 100%) REVERSE AXIS A PROPELLER A OPELLER 2 AXIS REVERSE AXIS	JOYSTICK BUTTON 2)		
	ESC GO BACK M OPEN PRESET MANAG	PROPELLER 1 AXIS	JOYSTICK R-AXISY		AL THE

- **1.** AUTOPILOT selected
- 2. Controller (white) and variation (black) selected
- **3.** POWER MANAGEMENT (THROTTLE, MIXTURE, PROPELLER)
- 4. ASSIGNED values selected
- 5. Controller keyS assigned to POWER MANAGEMENT items
- 6. Pictorial of controller

NOTES:

- **1.** One button is assigned to turn **ON** AUTOPILOT.
- **2.** *Keys, or variable controls are assigned to adjust THROTTLE, MIXTURE, AND PROPELLER.*

OPTIONS - CONTROLS OPTIONS – LANDING GEAR

🕾 Microsoft Flight Si	imulator - 1.29.30.0						- 🗆 X
		CONTROLS OPTIONS			62	O "	unk#5152 🌍
			N A A				211
	CONTROLS	S OPTIONS					
	KEYBOA	RD	MOUSE	VIRTUAL HID DEVICE		X52 H.O.T.A.S.	
	DEFAULT		DEFAULT	TRACKIR PROFILE	SAITI	EK X52 FLIGHT CONTORL 3	
	SENSITIVITY	Y AUTUPILUT			DE	SCRIPTION	
		▲ POWER MANAGEME	NT				
	SEARCH	^ THROTTLE					
	SEARCH BY NAME	P THROTTLE AXIS		JOYSTICK L-AXIS Z			
	SEARCH BY INPUT	🔎 🗹 REVERSE AXIS					
	Select an input	✓ MIXTURE		4			
ALCON .		MIXTURE AXIS (0 TO 10	0%)	(JOYSTICK R-AXIS X)	G		
in the second second		REVERSE AXIS					
	ASSIGNED	PROPELLER				0 0 0 0 0	() () () () () () () () () () () () () (
	EXPAND / COLLAT SE ALL	PROPELLER 2 AXIS		JOYSTICK R-AXIS Y			
		REVERSE AXIS					
		PROPELLER 1 AXIS		JOYSTICK R-AXIS Y			
		REVERSE AXIS					
	3	▲ LANDING GEAR				000	
-		TOGGLE LANDING GEAR		JOYSTICK BUTTON 8		000 000 <i>~</i> ~	
					5		
	ESC GO BACK M OPEN PRESET M						

- **1. LANDING GEAR selected**
- 2. Controller (white) and variation (black) selected
- 3. ASSIGNED values selected
- 4. Pictorial of controller

NOTE: A single key is assigned to Toggle the landing gear to up or dow $\!n$

Microsoft Flight Si		TROLS OPTIONS		© 2	Cunk#5152	×
1	KEYBOARD DEFAULT		MOUSE	VIRTUAL HID DEVICE TRACKIR PROFILE	X52 H.O.T.A.S.	
	SENSITIVITY SEARCH SEARCH BY NAME SEARCH BY NAME Select an Input FILTER ASSIGNED EKPAND / COLLAY SE ALL 3		1 CHES FACES	JOYSTICK BUTTON 12 JOYSTICK BUTTON 22 JOYSTICK BUTTON 23 JOYSTICK BUTTON 1		
	ESC GO BACK M OPEN PRESET MANAGI	AUTOPILOT ON				

OPTIONS - CONTROLS OPTIONS – BRAKES

- 1. BRAKES selected
- 2. Controller (white) and variation (black) selected
- 3. ASSIGNED values selected
- 4. FOUR ITEMS ASSIGNED
- **5. Pictorial of controller**

WORLD MAP - GLOBE



- **1.** SEARCH window
- 2. WELCOME tab
- 3. FROM window
- **4.** TO (arrival) window
- 5. FLIGHT CONDITIONS tab
- 6. GO BACK tab
- **7.** TIME OF DAY slider
- 8. RESET tab
- 9. MORE
- **10.** ZOOM
- **11.** HELP
- **12.** SCALE (distance)
- **13.** AIRCRAFT tab
- **14.** ID and SERVER tab

WORLD MAP - MORE / LEGEND 1



1. HIGHLIGHTS -

Star Content New Contents Third Party Content Glider fiendly airports

2. AIRPORTS -

Approach Procedures and Radar Minimums No Published Instrument Procedures

3. HELIPORTS -

Approach Procedures and Radar Minimums No Published Instrument Procedures

WORLD MAP – MORE / LEGEND 2



- 1. NAV AIDS -VOR VOR DME NDB DME VOR DME DME VORTAC TACAN Glider fiendly airports
- 2. WAYPOINTS -FIX RNAV CUSTOM
- **3.** TRAFFIC -Air Traffic Aircraft Friend

WORLD MAP - MORE/LEGEND 3



- **1.** TRAFFIC -Air Traffic Aircraft Friend
- **2.** WEATHER Wind speed Unit

WORLD MAP - FILTERS 1

🕾 Microsoft Flight Simulator - 1.30.12.0				– 🗆 ×
WORLD MAP		68	e e _{Gu}	ink#5152 🍈
Textron Aviation Cessna 172 Skyhawk (I FROM	The state of the second		TO FLIGHT CONDITIONS	
SELECT DEPARTUR	E SELECT ARRIV		►	
			3	
	A MAP			
	BACKGROUND MAP	SATELLITE		
			4	
Bucklagare CLOSE FIZ DEFAULT				

- MAP -BACKGROUND MAP WEATHER LAYER WIND EFFECT THIRD PARTY CONTENT
 AIDPODTS
- 2. AIRPORTS AIRPORTS HARD SURFACE RUNWAYS
- **3.** SELECT (SATELLITE, IFR, BLEND)
- **4.** CLOUDS (SELECT CLOUDS, PERCIPETATION, of OFF) (All other selections can be set to ON or OFF)

WORLD MAP – FILTERS 2

				· •
WORLD MAP		6 6	8	Gunk#5152
Textron Aviation Cessna 172 Skyhawk (I SELECT DEP RUNWAY	ARTURE C SELEC	T ARRIVAL	TO	
		2	N. E. La Branch M. C.	
	GRASS RUNWAYS			
	WATER RUNWAYS	C ON D		
	SNOWY RUNWAYS	ON		
	DIRT RUNWAYS	ON >		
	HELIPAD	ON >		
	OTHER RUNWAYS	on D		
	GLIDER FRIENDLY	ON >		
	LIFLIDODTO			
	A HELIPORTS			

- 1. AIRPORTS HARD SURFACE RUNWAYS GRASS RUNWAYS WATER RUNWAYS SNOWY RUNWAYS DIRT RUNWAYS HELIPAD OTHER RUNWAYS GLIDER FRIENDLY
- 2. HELIPORTS HELIPORTS

WORLD MAP – FILTERS 3

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Textron Aviation Cessna 172 Skyhawk (I SELECT DEPAR RUNWAY	nture e si	ELECT ARRIVAL	T	FLIGHT CONDI	
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	POINTS OF INTEREST				
	LANDMARKS	C ON S			
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	AIRSPACES	C OFF	Contraction of the		
	NAVAIDS	K OFF >			
	FIX AND RNAV POSITION REPORT	K OFF >			

- **1.** POINTS OF INTEREST LANDMARKS CITIES FAUNA
- 2. NAVIGATION AIR SPACES NAV AIDS FIX AND RNAV POSIION REPORT
- **3.** ALL values can be set to ON or OFF

DISCOVERY FLIGHT – CORE CONTENT



Core Content has seven Discovery Flights SOARING HELICOPTER MOUNT EVEREST GIZA BORA BORA

NAPLES NEW YORK

ACTIVITIES - DISCOVERY FLIGHT - SOARING EVENT



ACTIVITIES - DISCOVERY FLIGHT – HELICOPTER - EVENT



ACTIVITIES – DISCOVERY FLIGHTS – MOUNT EVEREST EVENT



ACTIVITIES – DISCOVERY FLIGHTS – GIZA EVENT



ACTIVITIES – DISCOVERY FLIGHTS – BORA BORA



ACTIVITIES – DISCOVERY FLIGHTS – NAPLES



ACTIVITIES – DISCOVERY FLIGHTS – NEW YORK



DISCOVERY FLIGHT – WORLD UPDATES



DISCOVERY FLIGHT – WORLD UPDATES - TOKYO



DISCOVERY FLIGHT – WORLD UPDATES – MOUNT FUJI



DISCOVERY FLIGHT – WORLD UPDATES – SAN FRANISCO



DISCOVERY FLIGHT – WORLD UPDATES – YOSEMITE NATIONAL PARL



DISCOVERY FLIGHT – WORLD UPDATES – LONDON



DISCOVERY FLIGHT – WORLD UPDATES – FORT WILLIAM



ESC GO BACK CTRL + ENTER FLY

DISCOVERY FLIGHT – WORLD UPDATES – PARIS



DISCOVERY FLIGHT – WORLD UPDATES – VERCORS & ECRINS PARKS



WELCOME - DISCOVERY FLIGHT – WORLD UPDATES – COPENHAGEN




DISCOVERY FLIGHT – WORLD UPDATES – LOFOTEN ISLANDS

DISCOVERY FLIGHT – WORLD UPDATES – AUCKLAND



DISCOVERY FLIGHT – WORLD UPDATES – BARCELONA



DISCOVERY FLIGHT – WORLD UPDATES – LAKE BENMORE



DISCOVERY FLIGHT – WORLD UPDATES – BERLIN



DISCOVERY FLIGHT – WORLD UPDATES – COMBRA



DISCOVERY FLIGHT – WORLD UPDATES – DARWIN



DISCOVERY FLIGHT – WORLD UPDATES – FLORENCE



DISCOVERY FLIGHT – WORLD UPDATES – FLORENCE



DISCOVERY FLIGHT – WORLD UPDATES – THE GOLD COAST



DISCOVERY FLIGHT – WORLD UPDATES – GRAND CANYON



DISCOVERY FLIGHT – WORLD UPDATES – LISBON



DISCOVERY FLIGHT – WORLD UPDATES – MADRID



DISCOVERY FLIGHT – WORLD UPDATES – MELBOURNE



DISCOVERY FLIGHT – WORLD UPDATES – MONTREAL



DISCOVERY FLIGHT – WORLD UPDATES – PERTH



DISCOVERY FLIGHT – WORLD UPDATES – QUEENSTOWN



DISCOVERY FLIGHT – WORLD UPDATES – ROME



DISCOVERY FLIGHT – WORLD UPDATES – SEATTLE



DISCOVERY FLIGHT – WORLD UPDATES – ST LOUIS



DISCOVERY FLIGHT – WORLD UPDATES – SYDNEY



DISCOVERY FLIGHT – WORLD UPDATES – TORONTO



DISCOVERY FLIGHT – WORLD UPDATES – ULURU-KATA TJUTA NATIONAL PARK



DISCOVERY FLIGHT – WORLD UPDATES – VANCOUVER



DISCOVERY FLIGHT – WORLD UPDATES – VENICE



ACTIVITIES – DISCOVERY FLIGHTS - MISCELLANEOUS



ACTIVITIES – DISCOVERY FLIGHTS – FREIBURG AND BLACK FORREST



ACTIVITIES – DISCOVERY FLIGHTS – HELSINKI



ACTIVITIES – DISCOVERY FLIGHTS – MECCA



ACTIVITIES – DISCOVERY FLIGHTS – MONUMENT VALLEY



ACTIVITIES – DISCOVERY FLIGHTS – MOUNT COOK



ACTIVITIES – DISCOVERY FLIGHTS – SINGAPORE



WORLD MAP



HOME - WORLD MAP – AIRCRAFT SELECTOR



HOME - WORLD MAP – AIRCRAFT LIVERIES



HOME – WORLD MAP - AIRCRAFT FAILURES

MURLD MAP					
CubCrafters X Cub - Floats	FROM	anno 🗠 gradiana anna	-4-5	TO FLIGHT	ONDITIONS
	SELECT DEPARTURE	SELECT ARRIVAL	10		- Z Č
	RUNWAY	RUNWAY	<)		
AIRCRAFT SELECTION	COMPLETE FAILURE				
LIVERIES	✓ OIL SYSTEM				
	→ OIL LEAK				
WEIGHT AND DALANGE	→ FUEL PUMP				
FAILURES	→ FIRE				
CUSTOMIZATION	✓ MAGNETO LEFT				
	✓ MAGNETO RIGHT				
	✓ CYLINDER 1				
	Y CYLINDER 2				
	✓ CYLINDER 3				
	CYLINDER 4				
	ENABLE FAILURE				ON
					ON P
	TO (MINUTES)				
		No training			
ESC CLOSE F12 RESET					
HOME – WORLD MAP - AIRCRAFT CUSTOMIZATION



HOME – WORLD MAP - AIRCRAFT – WEIGHT AND BALANCE

🕮 Microsoft Flight	Simulator - 1.29.30.0					– 🗆 ×
	WORLD MAP		6		Gunk#5152	
	Textron Aviation Beechcraft Bonanza G36	FROM KOCF Ocala Init-Jim Taylor Field, Ocala E C SELECT ARRIVA RUNWAY (36)	L	TO TO		
LABTO	AIRCRAFT SELECTION	DISPLAY FUEL AS	GAL 🔵 LB	EMPTY CG POSITIO	N % MAC 17.90	1 all
N-str	LIVERIES	FUEL FUEL S0	- O 50.00 % 20 gal	Center of gravity CG forward limit CG aft limit	17.00% MAC 11.00% MAC 32.00% MAC	144
-	WEIGHT AND BALANCE	RIGHT MAIN 50	20 gal			S GI
1	FAILURES	PAYLOAD	41.98 %			A Res
	CUSTOMIZATION	CO-PILOT	170 lb			- ALANCE
		FRONT PAX LEFT	0 Ю			
7 2110		FRONT PAX RIGHT	0 lb		LEMAC	18 E
· ARER		BAGGAGE	0 lb			Phila and
ALC TO A		REAR PAX LEFT				11988 Y
					ТЕМАС	
		Empty Weight / -	2,600 LB / -			
-		Fuel / Max Allowable Fuel	240 LB / 480 LB			
		Payload / Max Payload	340 LB / 810 LB			
			3,180 LB / 3,050 LB			
	ESC CLOSE F12 RESET					

HOME - WORLD MAP - FLIGHT CONDITIONS





HOME - WORLD MAP - FLIGHT CONDITIONS 2

HOME – WORLD MAP - FLIGHT PLAN – USING GLOBE 1



HOME – WORLD MAP - FLIGHT PLAN – USING GLOBE AIRPORT SELECTION





HOME – WORLD MAP - FLIGHT PLAN - FROM – TO FIELDS

HOME – WORLD MAP - FLIGHT PLAN – USING GLOBE 4



HOME - WORLD MAP - WORLD GLOBE - SEARCH FUNCTION



HOME - FLIGHT TRAINING – BASIC HANDLING



HIOME- FLIGHT TRAINING – TAKE OFF / LANDING – LANDING WITHOUT ELEVATORS



HOME - FLIGHT TRAINING - AIRLINER - A320 TAKE-OFF



HOME - FLIGHT TRAINING - IFR NAVIGATION - ILS APPROACH



HOME - FLIGHT TRAINING – BASIC HANDLING 1



HOME - FLIGHT TRAINING BASIC HANDLING 2



HOME - FLIGHT TRAINING - INTRODUCTION



HOME - FLIGHT TRAINING – BUSH PILOT

HOME - ACTIVITIES



PURPOSE / USAGE: Use this screen to select DISCOVERY FLIGHTS, FLIGHT TRAINING, LANDING CHALLENGES, BUSH TRIPS, MAVERICK ACTIVITIES, 48th ANNIVERSARY or CUSTOM CONTENT.

HOME - ACTIVITIES



HOME – ACTIVITIES - LANDING CHALLENGES – FAMOUS 1



PURPOSE / USAGE: Use this screen to select from 20 FAMOUS - LANDING CHALLENGES. When a challenge is selected a screen shows the aircraft in use, the flight plan, and a preview of the flight including area/airport information. A table lists the WORLD TOP 10 and their earned points.

HOME – ACTIVITIES - LANDING CHALLENGE – FAMOUS 2



HOME – ACTIVITIES - LANDING CHALLENGE – FAMOUS 3



HOME – ACTIVITIES - LANDING CHALLENGE – EPIC 1



PURPOSE / USAGE: Use this screen to select from 19 EPIC - LANDING CHALLENGES. When a challenge is selected a screen shows the aircraft in use, the flight plan, and a preview of the flight including area/airport information. A table lists the WORLD TOP 10 and their earned points.

HOME – ACTIVITIES - LANDING CHALLENGE – EPIC 2



HOME – ACTIVITIES - LANDING CHALLENGE – EPIC 3



HOME – ACTIVITIES - LANDING CHALLENGE – STRONG WIND



PURPOSE / USAGE: Use this screen to select from 19 STRONG WIND - LANDING CHALLENGES. When a challenge is selected a screen shows the aircraft in use, the flight plan, and a preview of the flight including area/airport information. A table lists the WORLD TOP 10 and their earned points. A HELP tab, at the bottom of the screen, defines how the landing will be evaluated.

HOME – ACTIVITIES - LANDING CHALLENGE – STRONG WIND 2



HOME – ACTIVITIES - LANDING CHALLENGE – STRONG WIND 3



HOME - ACTIVITIES - STRONG WIND - BAKERVILLE



HOME – FLIGHT TRAINING - BUSH PILOT - 1



PURPOSE / USAGE: Use this screen to select from 32 BUSH TRIPS. When a trip is selected a screen shows the aircraft in use, the flight plan, and a preview of the flight including area/airport information. A table lists the WORLD TOP 10 and their earned points. A HELP tab, at the bottom of the screen, additional information of the trip and how it will be evaluated.













HOME – FLIGHT TRAINING - BUSH TRIP - HELP


HOME – FLIGHT TRAINING - BUSH TRIP 7 - UNALASKA to KULIK



HOME - ACTIVIITES – MARKETPLACE - RENO AIR RACES 1



PURPOSE / USAGE: Use this screen to select from 2 OPTIONS. An EXPANSION PACK and the FULL COLLECTION for purchase.

WELCOME - ACTIVIITES - MARKETPLACE - EXPANSION PACK



WELCOME - ACTIVIITES – MARKETPLACE - FULL COLLECTION



WELCOME - ACTIVIITES – MARKETPLACE - 4



WELCOME - ACTIVITES – MAVERICK 1



PURPOSE / USAGE: Use this screen to select from five CHALLENGES. When a challenge is selected a screen shows the aircraft in use, the flight plan, and a preview of the flight including area/airport information. A table lists the WORLD TOP 10 and their earned points. A HELP tab, at the bottom of the screen, defines how the flight should be flown and how it will be evaluated.

WELCOME - ACTIVITES – MAVERICK – CHALLENGES 2



WELCOME - ACTIVITES - MAVERICK - F/A18 TRAINNG



PURPOSE / USAGE: Use this screen to select from 3 MAVERICK – TRAINING MISSIONS. When a mission is selected a screen shows the aircraft in use, the flight plan, and a discription of the flight .

HOME-ACTIVITIES - 40th ANNIVERSARY





WELCOME – ACTIVITIES - 40th ANNIVERSARY -

WELCOME – ACTIVITIES - 40th ANNIVERSARY – MEIGS FIELD



WELCOME – ACTIVITIES - 40th ANNIVERSARY – 2





WELCOME – ACTIVITIES - 40th ANNIVERSARY – 3



WELCOME – ACTIVITIES - 40th ANNIVERSARY – 4





WELCOME – ACTIVITIES – CONTENT MANAGER



PURPOSE/USAGE: Shows all of the INSTALLED, NOT INSTALLED, UPDATES AVAILABLE, and any files are INSTALLING or SELECTED.

The status of the file INSTALLED or NOT INSTALLED, the size, and if it is UP TO DATE. Files that are not installed can be selected for installation.





















WELCOME – MARKETPLACE – AIRCRAFT



FEATURED SALES 7 HIGHLIGHTS 4 NEW RELEASES 17 SPECIAL OFFERS 96 TRENDING NOW 30 BEST SELLERS 30 TOP RATED 30 TOP FREEWARE 25

WELCOME – MARKETPLACE – AIRPORTS



LIST FOR REVIEW 1032

WELCOME – MARKETPLACE – WORLD



LANDMARKS 49 WORLD UPDATE 19 SCENERY 223 ENVIROMENT 10 TRAFFIC 18 WILDLIFE 13 BUNDLES AND PACKS 31

WELCOME - MARKETPLACE - ACTIVITIES - ACTIVITIES



TRAINING 8 CHALLENGES 12 EXCURSIONS 36 COMMERCIAL FLIGHTS 18 RACES 2 MISCELLANEOUS 1 BUNDLES AND PACKS 19

WELCOME – MARKETPLACE – FEATURED



FEATURED SALES 7+ HIGHLIGHTS 4 NEW RELEASES 17 SPECIAL OFFERS 96 TRENDING NOW 30 BEST SELLERS 30 TOP RATED 30 LAST SEEN 4 TOP FREEWARE 25

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