

Welcome to DCS WABU!

DCS WABU (Weight and Balance Utility) enables you to configure an aircraft loadout without launching DCS itself. Great for making missions, mission planning, or experimenting with different loadouts on the fly. This is a calculator and exporter for Digital Combat Simulator (DCS). Weight and Balance is implemented for:

- F-16C Viper
- A-10C Warthog
- F-14B Tomcat
- F-15C Eagle
- F-18C Hornet
- Bf 109 K-4 Messerschmitt
- Su-33 Flanker D
- AJS-37 Viggen
- M2000-C Mirage
- AV-8B Harrier
- A-4E-C Skyhawk
- UH-1H Huey

Legacy loadout export enabled for the F-18C.

Moment calculation enabled for all aircraft.

How to use DCS WABU:

1. Extract the file you downloaded using WinRar or WinZip.
2. Double click "DCS WABU vX.x" to start the program.
3. Select your desired aircraft on the left. You can use the scroll bar to see more aircraft.
4. Select your desired weapons on the right. The weight and balance of your selections will change automatically.

If you want to clear your loadout, click the "Clear Loadout" button on the lower left of the program.

Definitions:

Empty Weight: This is the empty weight of the aircraft in DCS.

Max Weight: This is the max weight of the aircraft provided by DCS.

Gun Amount: Use this slider to change how much gun ammo is in the aircraft.

Fuel Weight: The number represents the fuel weight in pounds. Use the slider to change the percentage of the fuel.

Weapons: This is the combined weight of the "weapons" that you have chosen on the stations.

Delta: The delta is the max weight minus the total weight. Try to keep the delta at or below 0. If it is above 0 you are overweight for takeoff.

Total: This is the weight of the aircraft that you have set up, including the weapons and fuel.

Moment/1000: This represents the force of the weight distributed to the left and right of the aircraft based on the center. If the moment is to the left, expect the aircraft to tilt to the left. If the moment is to the right, expect the aircraft to tilt to the right. A balanced aircraft will have a Moment of 0.

Export Loadout: This feature is only enabled on the older version of the F-18C. The reason why it is not available for other aircraft is because the values have been known to change too much. Keeping up with the changes takes quite a bit of time (and I do this for free :P). Use with caution.

Set DCS Folder (Saved Games): This button is used to export the loadout of the older F-18. Use with caution.

If you have a feature you'd like to see, let me know!

ED Forums: Bailey

Discord: Bailey#6230

Bailey's VoiceAttack Discord: <https://discord.gg/PbYgC5e>

If you are feeling charitable, please feel free to donate here: <https://www.paypal.me/asherao>. 100% of all donations will go to modules to make even more free profiles and utilities for the community! (For example, the up and coming Kiowa and EuroFighter!)

Check out my other projects on the ED User Files:

https://www.digitalcombatsimulator.com/en/files/?PER_PAGE=100&CREATED_BY=asherao

Enjoy!

~Bailey

NOV2020

v1

-Released

v1.8.2

-Added stuff

-Fixed stuff

v2

-Added F-16C

-Added version notes

v2.1 (DCS v2.5.45915)

-Updated F-18C weapons and Tpod

v3.0 (DCS v2.5.6.57530)

-Updated F-16C

-Updated F-18C

-Updated A-10C (A-10C2)

v3.1

-Updated AV-8BNA

-Updated Readme

v3.2

-Fixed the sticky fuel bug (thanks Halcyon!)