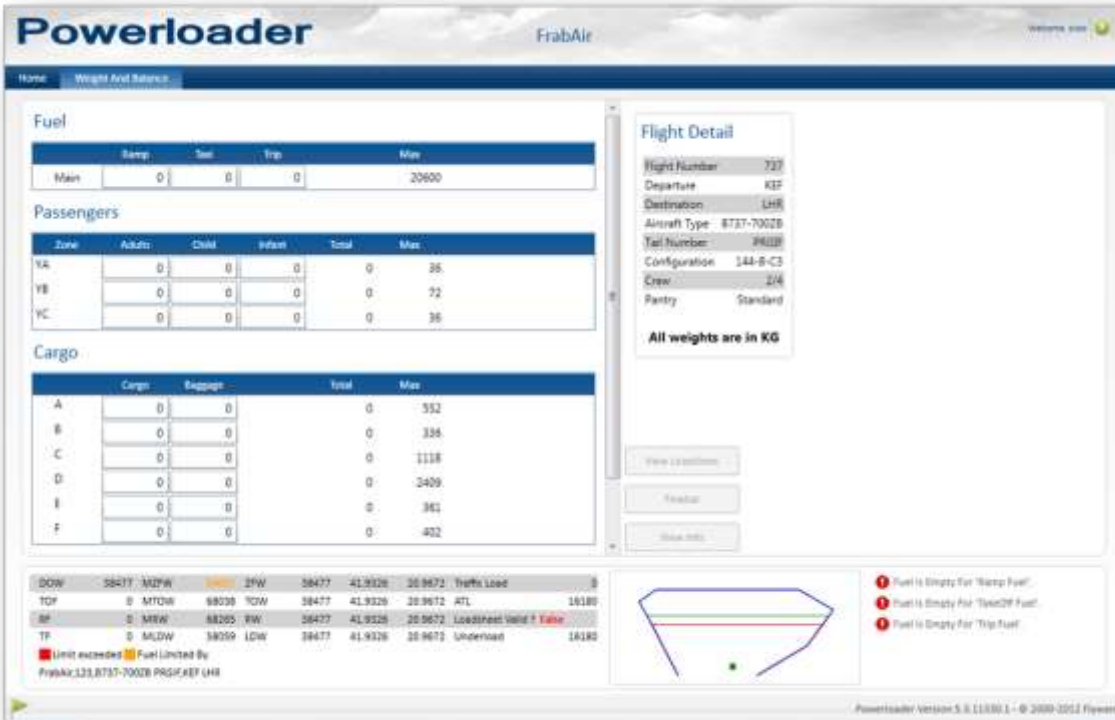


Powerloader Quick Reference Guide

This **Powerloader Quick Reference Guide** is to establish the steps needed to load plan a flight in Powerloader. Please refer to the Powerloader User Guide for an extensive overview of the system.

The below screenshot shows the Weight and Balance Screen of the Powerloader client.



Powerloader FrabAir

Fuel

	Temp	Taxi	Trip	Max
Main	0	0	0	20600

Passengers

Zone	Adult	Child	Infant	Total	Max
YA	0	0	0	0	35
YB	0	0	0	0	52
YC	0	0	0	0	35

Cargo

	Cargo	Passage	Total	Max
A	0	0	0	352
B	0	0	0	336
C	0	0	0	1118
D	0	0	0	3409
E	0	0	0	361
F	0	0	0	402

Flight Detail

Flight Number: 737
 Departure: KEF
 Destination: LHR
 Aircraft Type: B737-700B
 Tail Number: 3R128
 Configuration: 144-B-C3
 Crew: 2/14
 Pantry: Standard

All weights are in KG

View Locations
 Refresh
 Show Help

DOW	38477	38274	2174	38477	41.9326	20.9672	Trip/Wt Load		
TOT	0	MTOW	68038	TCW	38477	41.9326	20.9672	ATL	16180
BP	0	MFW	68065	FW	38477	41.9326	20.9672	Loadsheet Valid	False
TP	0	MLDW	58059	LDM	38477	41.9326	20.9672	Underload	16180

Limit exceeded Fuel Limited By
 FrabAir.133.8737-7002B PRGP.KEF LHR

Powerloader Version 5.0.1 (1000.1) - © 2009-2012 Flyware

Menu Item

Home – screen for creating flight and to open previously created flights..

Weight and Balance – single screen for the load control process.

Create an Account

To create a demo account, go to the following web page (Icelandic environment) and fill out the requested information: <http://eloadsheet.flyware.net/eLS/usermodule/usersignup.aspx>

Powerloader Registration

To start using Powerloader, download the latest version of Powerloader and install it. Powerloader requires .Net 4 and Microsoft SQL Compact 3.5 SP2 to be installed, both of which will be downloaded automatically during the installation process.

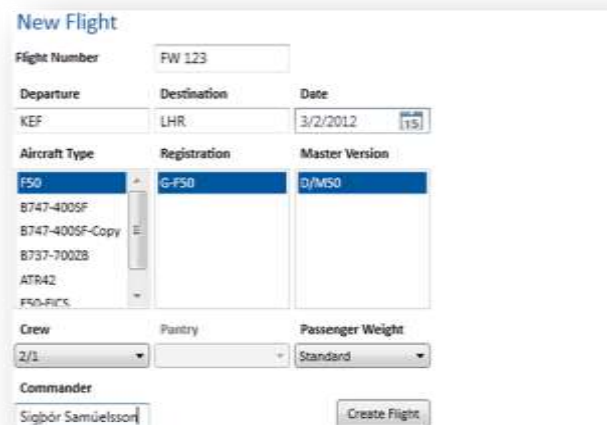
Register the Powerloader using your Registration code and your eLoadsheet user name and password. After the registration Powerloader will synchronize its aircraft database with eLoadsheet. After that, it's ready for use. The Registration code can be located in eLoadsheet by the airline administrator. Demo users receive their Registration code in the email they receive after signing up for a demo account.

Powerloader Load Planning

1. Home Screen

The home screen is where the load control process starts. In the home screen, a new flight can be created manually by entering the **Flight number**, **Destination**, **Departure station** and **Date** in the relevant fields. Select the **Aircraft Type**, **Registration** and **Master Version**.

The default **Crew code** and **Passenger Weight** set will be automatically selected for the aircraft configuration. Optionally select the **Pantry code** if available and the **Commanders** name.



New Flight		
Flight Number	FW 123	
Departure	Destination	Date
KEF	LHR	3/2/2012
Aircraft Type	Registration	Master Version
F50	G-F50	D/M50
B747-400SF		
B747-400SF-Copy		
B737-700ZB		
ATR42		
F50-FIRC		
Crew	Pantry	Passenger Weight
2/1		Standard
Commander	Sigbjørn Samuëlsson	
Create Flight		

After the above configuration has been completed, clicking on the **Create Flight** button will complete the process and the flight will be created directing the user to the Weight and Balance Screen.

Flights previously created can be seen in the **Recent Flights** section. The list shows open and finalized flights. Clicking on the **Open** link will open the previously created flight.

If a loadsheet has been generated for a previously created flight, it can be viewed in the recent flights list. The document will be displayed if the flight is selected. The same goes for finalized flights, the document will be displayed right next to the Recent Flights when a finalized flight is selected.

Flight Number	Departure	Destination	Date	Aircraft Type	Registration	Flight Status
123	KEF	LHR	1/1/0001			Preliminary Open
321	HHH	III	1/1/0001			Preliminary Open
123	KEF	LHR	1/1/0001			Preliminary Open
123	LHR	KEF	1/1/0001			Preliminary Open
132	132	132	1/1/0001			Finalized
123	132	132	1/1/0001			Finalized
123	KEF	LHR	1/1/0001			Preliminary Open

2. Weight and Balance Screen

In the Weight and Balance Screen, the flight configuration is completed – fuel, passengers and cargo are specified.

Fuel					
	Wing	Tail	Tip	Max	
Wing	0	0	0	0	0000

Passengers					
Class	Adult	Child	Infant	Total	Max
YX	0	0	0	0	06
YB	0	0	0	0	72
YC	0	0	0	0	06

Cargo				
Area	Weight	Volume	Total	Max
A	0	0	0	750
B	0	0	0	120
C	0	0	0	1118
D	0	0	0	2400
E	0	0	0	360
F	0	0	0	400

Once the flight is valid, the Loadsheet can be seen by clicking on the Loadsheet button. Once the flight configuration is complete, clicking on the **Finalize** button will finalize the flight and produce the load sheet.

3. Load Control Panel

The load control panel is always visible. The panel displays various information relevant to the flight such as DOW, TOF, RF, TF, MZFW, MTOW, MRW, MLDW etc. The panel also shows the envelope and Warning and/or Advisories.

DOW	38477	MZFW	54657	ZFW	38477	41.9326	20.9672	Traffic Load	0
TOF	0	MTOW	68038	TOW	38477	41.9326	20.9672	ATL	16180
RF	0	MRW	68265	RW	38477	41.9326	20.9672	Loadsheet Valid?	False
TF	0	MLDW	58059	LDW	38477	41.9326	20.9672	Underload	16180

■ Limit exceeded ■ Fuel Limited By
 FrabAir,123,8737-700ZB PRGIF,KEF LHR



! Fuel Is Empty For 'Ramp Fuel'.
! Fuel Is Empty For 'TakeOff Fuel'.
! Fuel Is Empty For 'Trip Fuel'.

The envelope is always visible in the Load Control Panel and will reflect actual center of gravity limitations and the weight and balance influences. The envelope shows the following information:

- Black Line - Represents the Ideal Index (if available).
- Green Line - Represents the landing CG envelope.
- Red line - Represents the Zero Fuel CG envelope.
- Blue line – Represents the Take Off CG envelope.
- Blue triangle - Represents the Take Off balance influences.
- Green rectangle – Represents the Landing balance influences.
- Red diamond – Represents the the Zero Fuel balance influences.