



CrewLounge
CONVERT

User Guide

June 26, 2023

Updated June 26, 2023

Table of Contents

Getting started	4
Setting the app language	4
Rearranging the Side Menu.....	5

Functions

Unit Conversion	7
Flight Computer	8
Snowtam Decoder	9
Cold Temperature Altimeter Correction	10
Metric-Feet Conversion Table	11
Decibel Sound Meter	12
Fuel Uplift	13

Terms of Use

When you download, install and use **CrewLounge CONVERT** you agree with the **Terms of Use**. The Terms of Use include the **General License Terms** (describing our liability in case of bugs), the **Refund Policy**, the **Privacy Policy** and the **Cookie Policy**.

You find the **Terms of Use** on our website:

Website

[CrewLounge AERO - Terms of Use](#)

Privacy Policy

Although **CrewLounge CONVERT** is part of the **CrewLounge AERO** software suite, you can use this app without registering a User Account with **CrewLounge AERO**.

Except when you contact the helpdesk for support, we do not collect any information about yourself when you use this app.

Author

CrewLounge CONVERT is an electronic app from **AvioBook**, a Belgian aviation software company. **AvioBook** is based in Hasselt (BE), with offices in Singapore (SG), Cebu (PH), Hanoi (VN) and Dallas (US).

CREWLounge® and **AVIOBOOK®** are registered trademarks of AVIOVISION NV, a Thales Group Company.



Getting started

CrewLounge CONVERT is available for iOS and Android. Screenshots in this User Guide may show minor differences in design and in functionality with the UI on your phone or tablet.

Read the following online solution article:

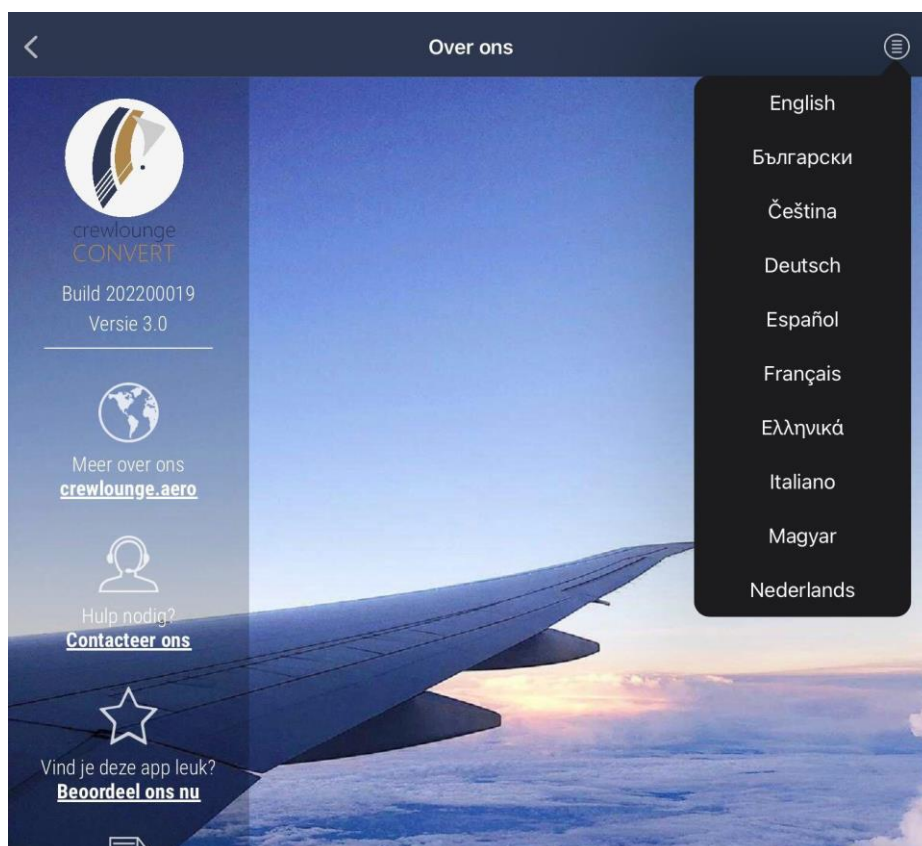
Online Support

[Getting started with CrewLounge CONVERT](#)

Setting the app language

CrewLounge CONVERT runs in 15 different languages. Select your preferred language from the **About** page. Press the icon in the right upper corner. Refresh the page or restart the app for the new language to become visible.

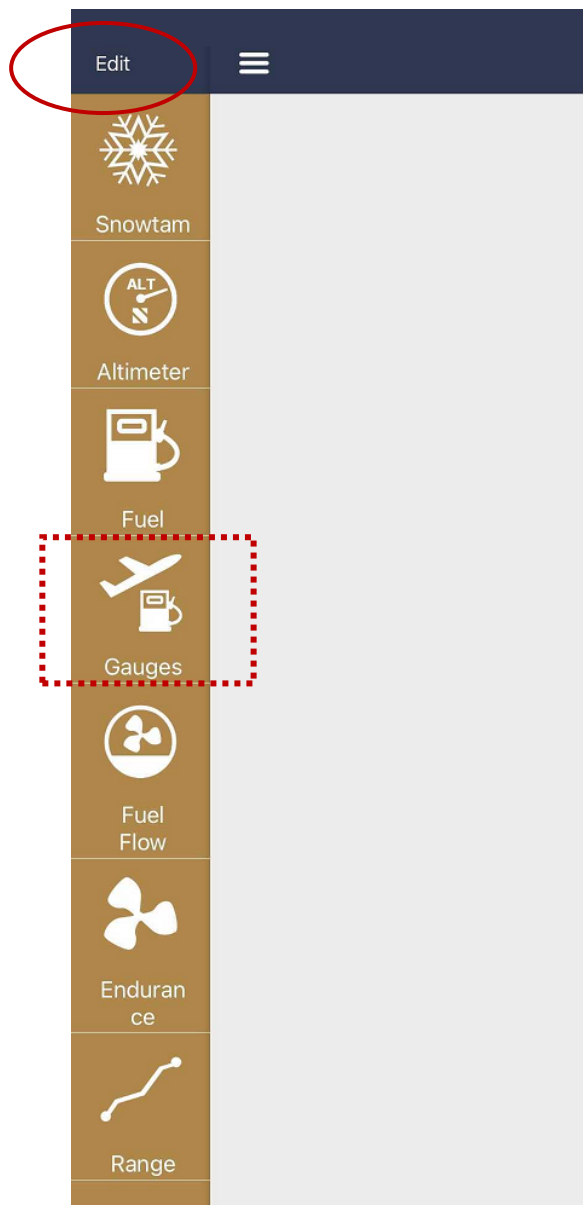
If your language is not listed, please help us with the translation. Contact the helpdesk, we'll be more than happy to add your language too.



Rearranging the Side Menu

Tap the “hamburger” icon to open the **Side Menu**. Press the **Edit** button to rearrange the order of the menu buttons. You can place your favorite functions at the top of the app side menu.

Use the drag-drop technique (hold, drag and drop) to move the buttons to the desired position.



Functions



Unit Conversion

You can convert the following aviation units:

Distance	Surface
Temperature	Angle
Weight	Speed
Pressure	Power
Fluid	Fuel Flow

To convert a value from a given unit into another unit:

- tap on the box of the given unit
- insert the value
- close the keyboard

CrewLounge CONVERT immediately displays the given value into all other units.

Flight Computer

CrewLounge CONVERT comes with a number of **E6B flight computer** functions. Use the Flight Computer functions to calculate the following:

Fuel	Endurance
Mach-TAS	Range
Track Time	Climb
Cross Wind	Wind Triangle

The working method of these pages is “specific”, every page is a bit different. As a general rule:

- Boxes with white background color (or black in Dark Mode) require your input
- Boxes with shaded background color show computed results

Some pages have special instructions. These instructions are listed in the app at the bottom of the page.

The following icon may show on the divider line between two boxes:



Boxes that are paired horizontally with an “equal to” icon, require an input on the left side or the right side. After input, the adjacent value is immediately displayed.



Boxes that are paired vertically with an “or” icon, require your input in either row. The adjacent row(s) must be left blank. e.g. the Endurance and Range page

CrewLounge CONVERT immediately displays the computed values when all required boxes are filled and the keyboard is closed. Some pages have intermediate results, after which you can stop, or you can add additional input for further calculation.

Snowtam Decoder

The **SNOWTAM** decoder page can handle different Snowtam messages. For the **GRF** format, you must first copy the snowtam text from your weather source to the clipboard of your phone:



Next, press the **Decode GRF** button in the **CrewLounge CONVERT** app. The results are then displayed, as follows:

Snowtam	
GRF MOTNE CFRI	
02191747 04L 5/5/5 100/100/100 NR/NR/NR WET/WET/WET 50 02191736 04R 5/5/5 100/100/100 NR/NR/NR WET/WET/WET 50 02191759 15 5/5/5 100/100/100 NR/NR/NR WET/WET/WET 50	
UTC Date and time of assessment	zaterdag 19 feb. 2022 - 17:47 UTC = 18:47 (UTC+1)
RWY Runway Designation Number	RWY 04L
RWYCC Runway Condition Code	TDZ/MID/END = RWYCC 5 Breaking Action = GOOD Braking deceleration is normal for the wheel braking effort applied AND directional control is normal
Coverage Per Cent Coverage Contaminant	TDZ/MID/END = 100 %
Depth Depth of Loose Contaminant	TDZ/MID/END = Not Reported
Contaminant Runway Surface Condition Description	TDZ/MID/END = WET
Width Width of Runway to which RWYCC applies	50 meters
UTC Date and time of assessment	zaterdag 19 feb. 2022 - 17:36 UTC = 18:36 (UTC+1)
RWY Runway Designation Number	RWY 04R
RWYCC Runway Condition Code	TDZ/MID/END = RWYCC 5 Breaking Action = GOOD Braking deceleration is normal for the wheel braking effort applied AND directional control is normal
Coverage Per Cent Coverage Contaminant	TDZ/MID/END = 100 %
Depth	TDZ/MID/END = Not Reported

Cold Temperature Altimeter Correction

Fill-out the Airport Elevation and Outside Air Temperature. Insert the altitudes in the middle column, to obtain computed results in the right column. Your selection for Type of Approach has no effect on the calculations, it will only modify the captions in the left column.

10:33 AM Thu Sep 23

100%

Cold Temperature Altimeter Correction

C

?

Airport Elevation

OAT

feet

°C

feet

meter

°C

°F

ILS

Non-Precision

Other

MSA		
feet		
G/S Interception		
feet		
Outer Marker		
feet		
Decision Altitude		
feet		
Go-Around		
feet		
Altitude X		
feet		
Altitude Y		
feet		
Altitude Z		
feet		
Glide Slope		
%		

Metric-Feet

The **Metric-Feet** conversion table can be used on flights in airspaces where altitudes and flight levels are expressed in meters. The page does not perform any calculations. Select **Flight Level** or **Altitude QNH** and highlight any row in the table.

Metric Altitudes

?

Flight Level

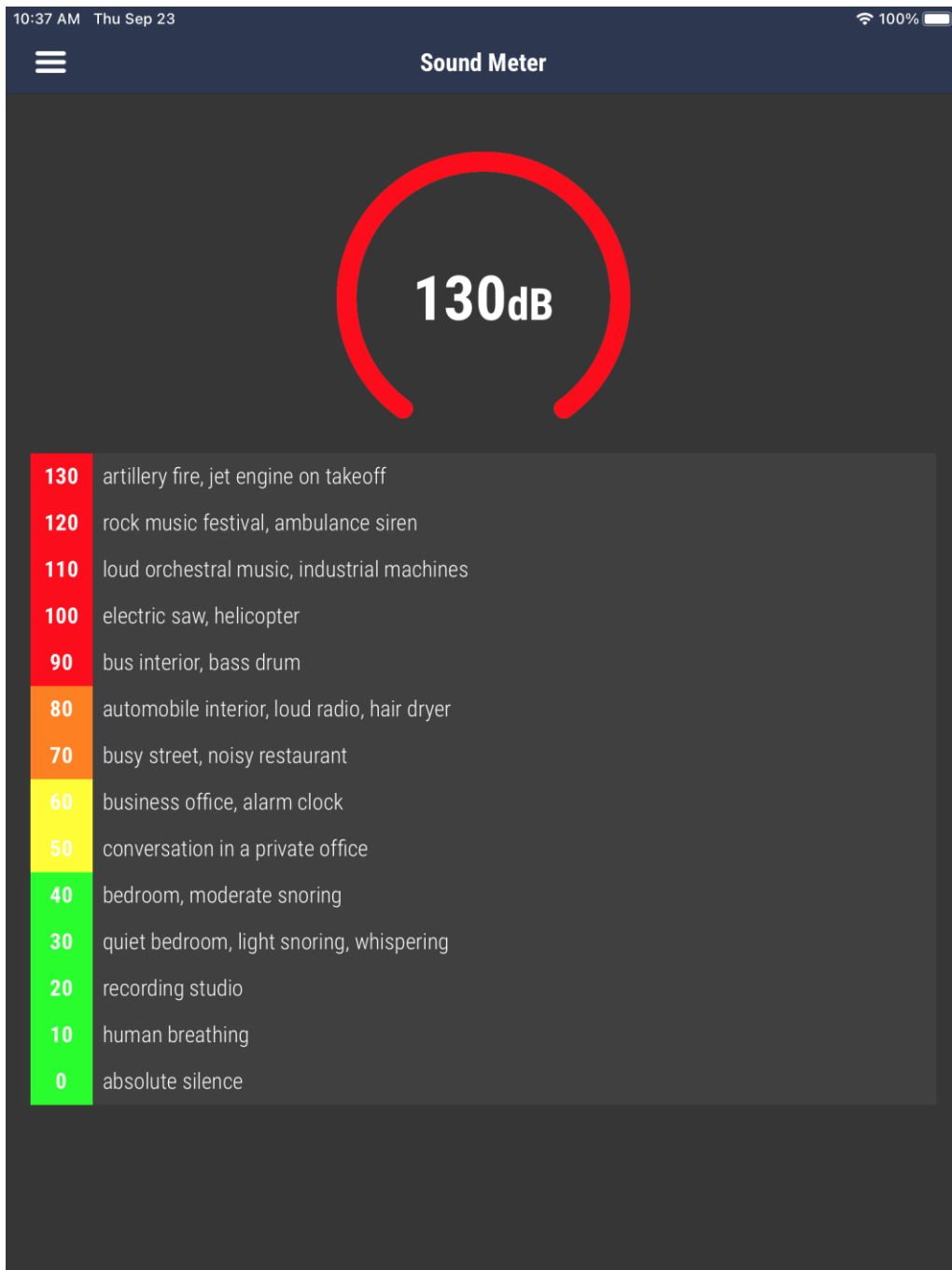
Altitude (QNH)

Do NOT use for QFE operations! Refer to Approach Chart for additional altitudes.

ATC	FLY
meter4.800	feet15.750
ATC	FLY
meter4.300	feet14.110
ATC	FLY
meter4.100	feet13.460
ATC	FLY
meter3.600	feet11.820
ATC	FLY
meter3.000	feet9.850
ATC	FLY
meter2.700	feet8.860
ATC	FLY
meter2.400	feet7.880
ATC	FLY
meter2.300	feet7.550
ATC	FLY
meter2.100	feet6.890
ATC	FLY
meter2.000	feet6.570
ATC	FLY
meter1.800	feet5.910
ATC	FLY
meter1.500	feet4.930

Decibel Sound Meter

The **decibel sound meter** measures the sound level on the flight deck, in the aircraft hangar, or in your hotel room. Values in the green area are suitable for night rest.



Fuel Uplift

The **Fuel Uplift** page provides different methods to verify the fuel uplift:

FUEL Insert the total fuel in kilogram, pounds, liters or US Gallons, together with the density, and the app returns the converted fuel.

GAUGES Verify total fuel uplift and the % accuracy of the gauges.

TECH LOG This page is an exact copy of the fuel boxes in your company's ATL (Aircraft Tech Log). All calculations and fuel verifications are done by the app.

Send us a picture of your Tech Log and we may add your format to **CrewLounge CONVERT!**

20:03 Sun 19 Jun

Fuel

?

FUEL

GAUGES

TECH LOG

C

This screen features company specific TECH LOGS. Contact us to add your company layout in this app.

Ryanair

>

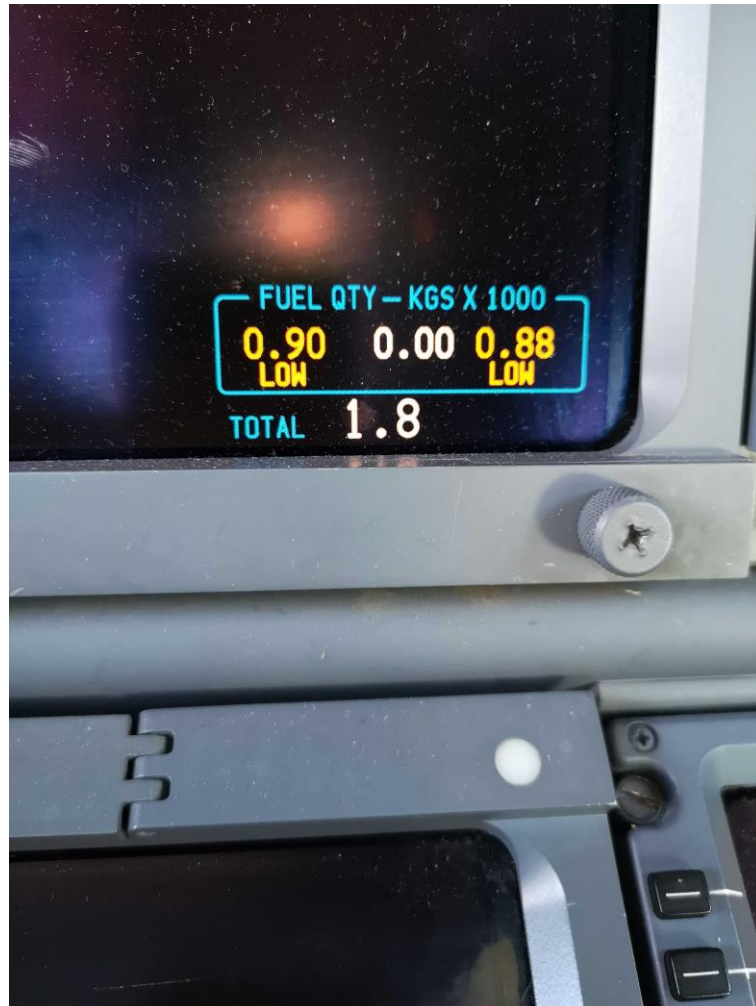
Fuel LH	Ctr	RH
2500	2000	2480
Arrival Total		6.980 kg

Planned Fuel12000kg

▲	sg	3966 Ltr	5020 kg
▼	0,790	4000 Ltr	3160 kg
3850	4250	3870	
Post Uplift Total		11.970 kg	

CrewLounge CONVERT on iOS supports OCR (Optical Character Reading).

Just take a picture of the fuel indication for supported aircraft models (here shown is the B737) and the amount of fuel in each tank will be automatically filled into the app!





End of User Guide