DCS – Arcaze – Connector => D.A.C. <=

Quick Start Guide

03.09.2015

1) Install

Download both zip-files "DCS Arcaze Connector" => D.A.C. https://github.com/s-d-a/DAC
and the „DCS-Export Scripts" https://github.com/s-d-a/DCS-ExportScripts.

Extract the files in the following folder:

D.A.C.
Copy to a program-folder of your choice.
e.g: `C:\Program Files\DAC\`

DCS-Export Scripts
To the folder: `C:\Users\<USER>\Saved Games\DCS\Scripts\`
ExportsModules to: `C:\Users\<USER>\Saved Games\DCS\ExportsModules\`

2) Configuration

a) Open DAC.exe

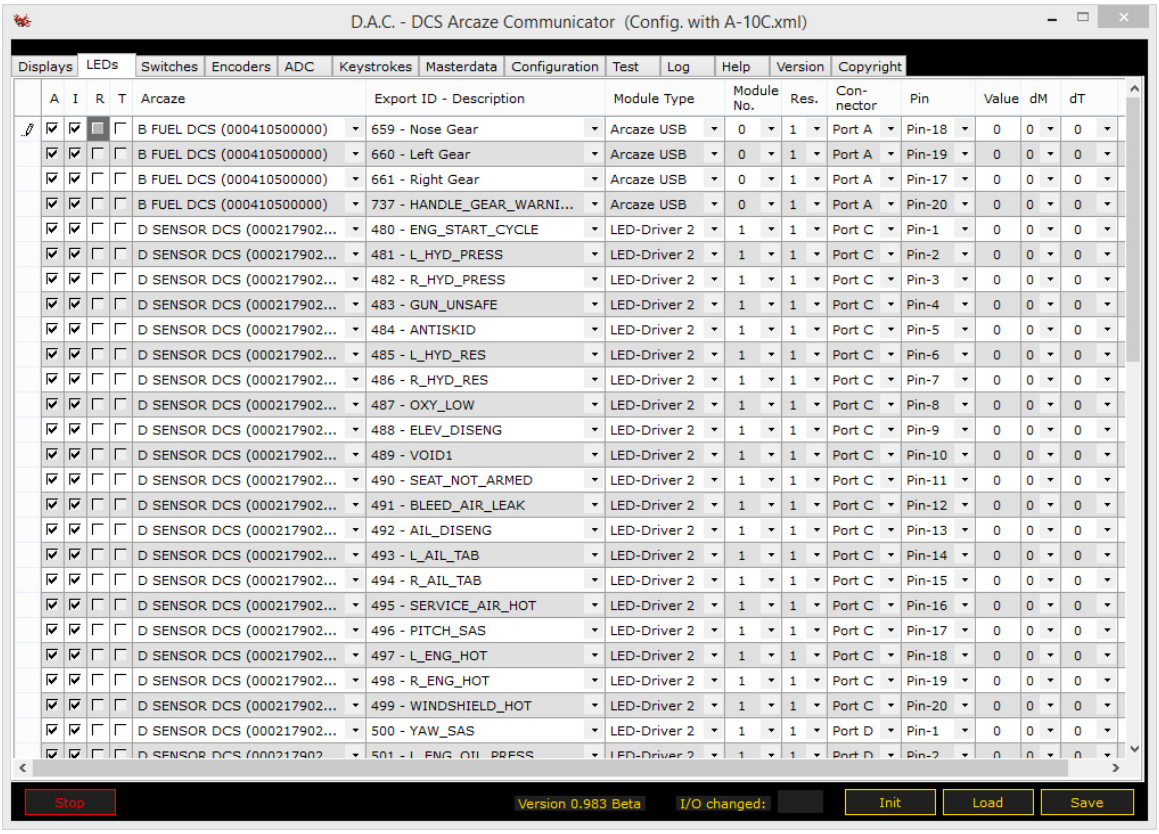
In the different tabs you can assign all the different functions to the correct pins on your Arcaze-USB-Module or the extensioncards. (LED-Driver, Display-Driver, etc.).

Following tabs are used:
Displays => for Arcaze-Displaydriver
LEDs => for LEDs connected to your Arcaze-USB-board or LED-Driver (Powerdriver optional)
Switches => for switches / buttons connected to your Arcaze-USB-board.
Encoders => for encoders connected to your Arcaze-USB-board.
ADC => for potentiometer connected to your Arcaze-USB-board.
Keystrokes => an alternative solution for Switches.

b) Open the enclosed XML-File for your module.

Don't worry about so many options. Some of them will be set with default-values automatically.
Others are for analysis and can't be set manually.
To start we could concentrate on the self-explaining fields.

⇨ LEDs



- Choose the correct **Arcaze-board**
- Choose the **Export ID** (function to be displayed)
- Choose the **Modultype**
- **Module No**. *(correct set by default, if you use one LED-Driver at maximum)*
  0=USB-board / 1=first LED-Driver / 2=second LED-Driver
- Choose the **Connector**
- Choose the **Pin**
- Hit the **Init**-button (bottom right)

By hitting the Init-button, all correctly defined LEDs will flash once.
We recommend to test each new line by activating the „T“ (Test) checkbox shortly.

Notice: *You have to leave the record before the modification will be updated.*

Notice: *D.A.C.shows in the Arcaze-Dropdown the name of the module, which could be set with the original Arcaze-Software „Arcaze USB-Interface Config Tool“.*

Notice: *For additional help about using LEDs on the Arcaze-Modules, read our **LED-Basics.pdf**.*

⇨ Switches

- Choose the correct **Arcaze-board**
- Choose the **Resource** (function of the switch)
- Choose the **Port** (Connector)

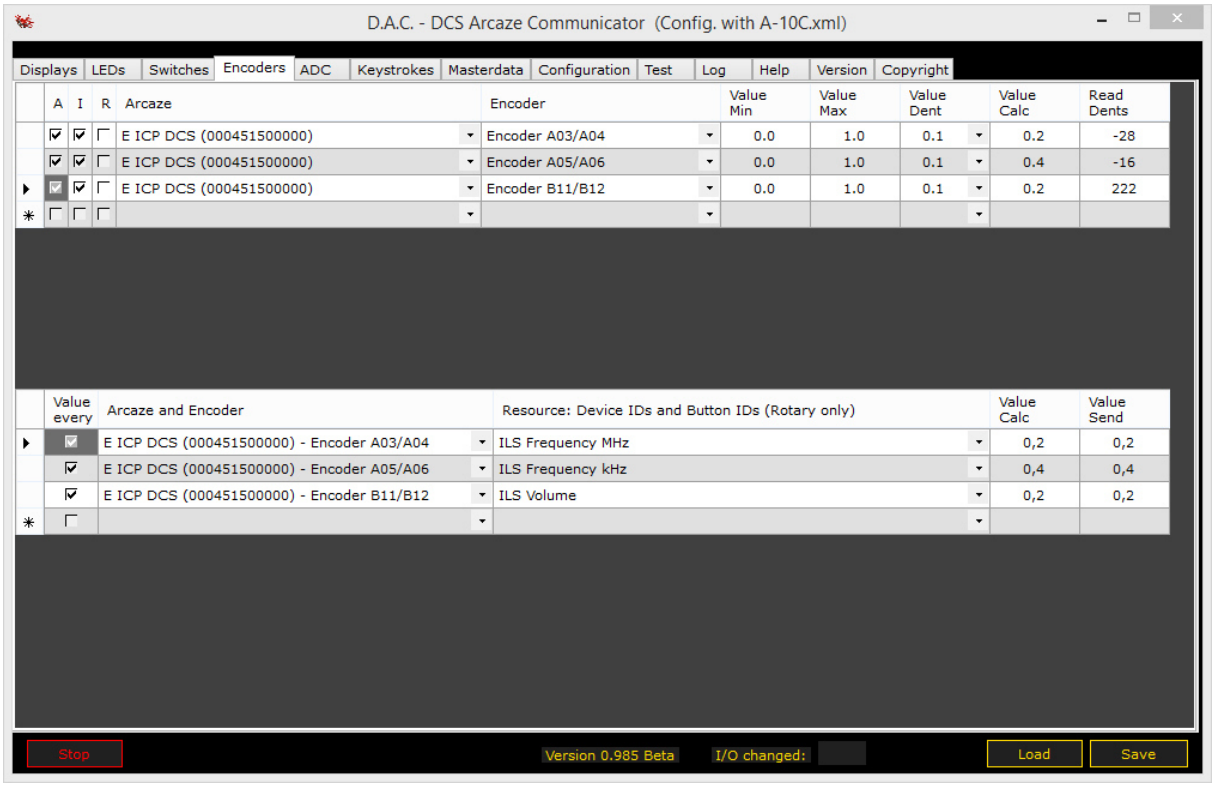
- Choose the **Pin**
- Hit the **Init**-button (bottom right)

You can test the new record instantly by pushing the button (or switch). The field ‚Value' in the record will show change from 0 to 1 and vice versa. We recommend to check each new record.

⇨ Keystrokes

Same as >>**Switches**<<, but for keycommands rather than DCS-functions.

⇨ Encoders



Here you can assign encoders to DCS-functions of the ‚Rotary-Type'.

- Choose the correct **Arcaze-board**
- Choose the **Encoder** from the dropdown

Notice: *The Pins are predefined! You can use Pin1 and Pin2 or Pin3 and Pin4 for an encoder. Unlike Pin2 and Pin3 won't work, based on presets of the manufacturer.*

- Hit the **init**-button (bottom right)

Quick-check the new record, by turning the encoder => watch „Value Calc" and „Read Dents".

- Add a new record in the second table, choosing the **Encoder** from the top.
- Choose the R**esource** from the dropdown.

Again quick-check the settings by turning the encoder => „Value Calc" and „Value Send ".

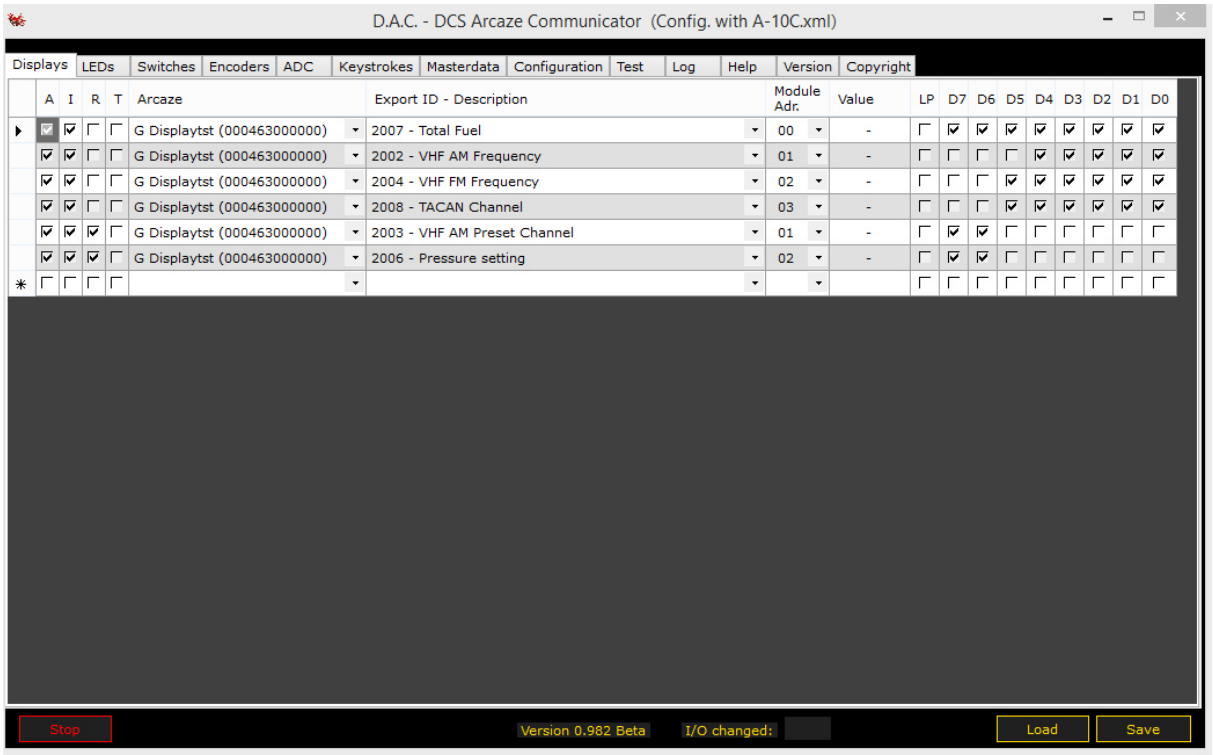
- To change the direction of rotation use the „**R**"-option (R=reverse).

⇨ ADC

This tab is used like the „Encoders-Tab".

Unlike the use of potentiometers to control the ‚DCS-Rotrary-functions'.

⇨ **Displays**



- Choose the correct **Arcaze-board**
- Choose the **Export ID** (function to be displayed)
- Choose **Modul Adr.** (the Port)
- Check the used digits (**D0 to D7**)
- Hit the **Init**-button (bottom right)

As usual you could test the new record using the „T“ (test) checkbox. If you do this, the value will show the number „8“ in the adjusted quantity and the digits should also be activated.

3) Save

The name of your .XML-File has to match the name of the DCS-Module.
E.g: A-10C, P-51D, MIG-21…
D.A.C. will always load the correct .XML automatically during the simulation (if such a file exists).

4) Start DCS-World

The data transfer will be active immediately after entering the cockpit.

In D.A.C. each record in the LED-tab will show now the number „1“ in the field value, if the corresponding lamp in DCS is active.
In the Displays-tab, the field ‚value‘ will show the value of the display e.g.: „132.75“

For additional information you should read the more detailed documentations included.