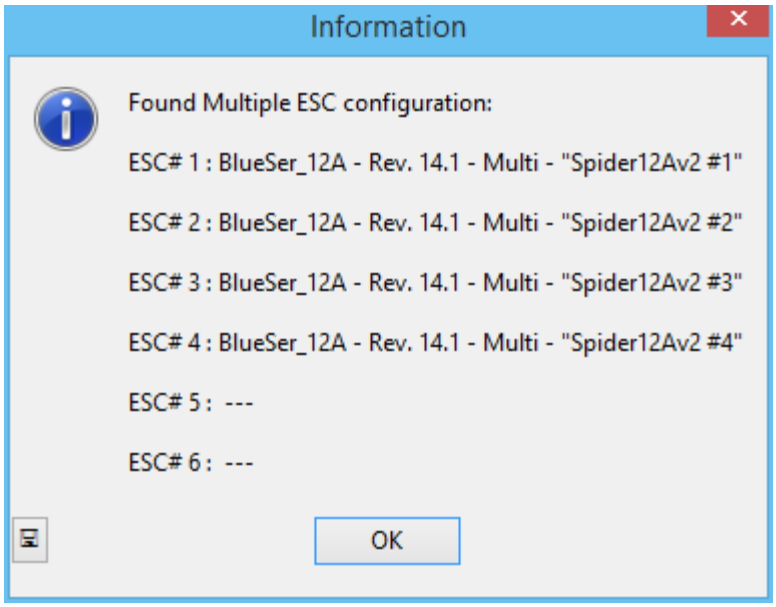
The MultipleESC works only with an appropriate interface (4w-if) or an appropriate option for a FC interface like “1wire passthrough” for Cleanflight (or Betaflight).

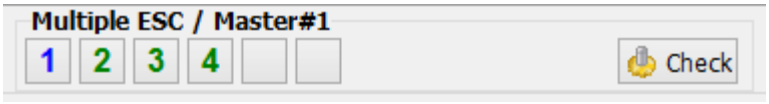
Starting:

If the interface is not yet connected and one clicks „Read Setup“, at first an automatic “Check” will be executed. The “Check” tries to read all available channels for connected ESC and shows a result dialog.



A manual “Check” can be initiated at any time by clicking the “**Check**” button.

The “Check” generally tries to read all available channels for connected ESC, and shows the following scenario after it found 4 ESC at channel #1,#2,#3 and #4. All found ESC will be set active for the current arrangement.



The first ESC of the current arrangement always will become the “**Master**”, the other will be “**Slaves**”. (BTW: The ESCs must not necessarily be exactly of the same type...)

Reading and wirting of the parameters in MultipleESC mode:

When „**Read Setup**“ is clicked, only the settings of the Master will be read into the workspace.

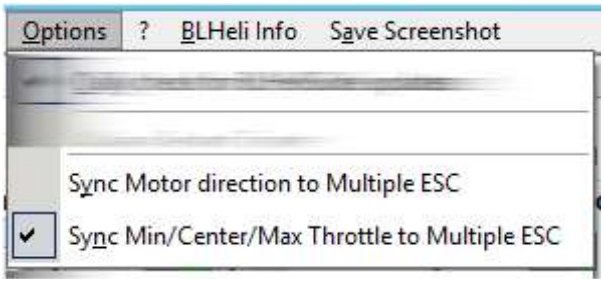
When „**Write Setup**“ is clicked, the momentary workspace Settings will be written to all ESC which are shown as active. Active are only the ESC, which are shown as numbers.

Attention:

ESC # – Name is not distributed to the slave ESC.

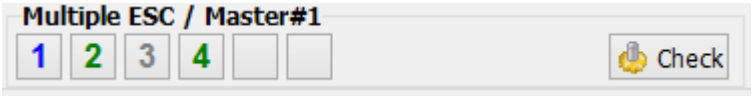
Automatic distribution of ***Motor Direction*** to the slave ESC is optional (**off** by default).
Automatic distribution of ***PPM Min/Center/Max Throttle*** to the slave ESC is optional (**on** by default).

To switch the synchronisation of the optional values use menu „*Options*… *Sync*….“



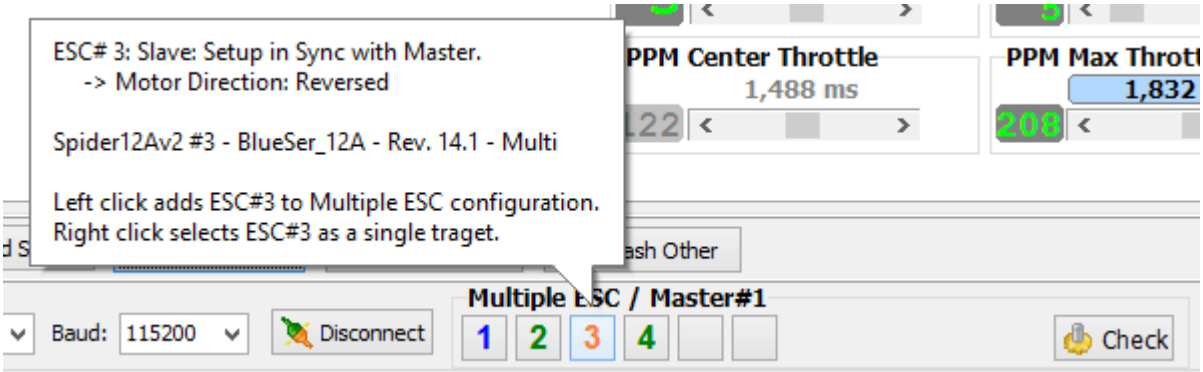
Indication of the parameter synchronization:

The Slaves are shown **green**, if there settings are in synch with the Master. If not in sync, there are shown **gray**.



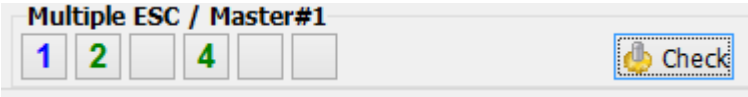
Here ESC#3 differs in the settings from the Master. (***ESC # – Name*** and ***Motor Direction*** are not be considered in the „sync“ comparison !).

ESC with different motor direction are shown in **orange**.

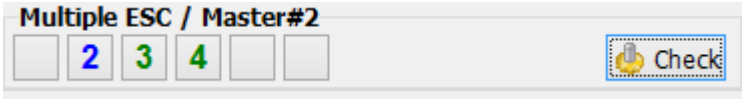


Selection of the arrangement:

Use the left Mouse button to select or deselect an ESC into or out of the active arrangement.

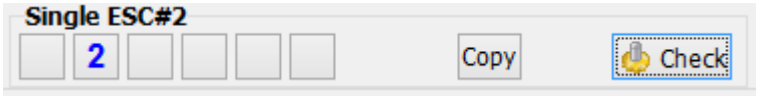


Here ESC#3 is deselected = not active.



Here ESC#1 is deselected; ESC#2 now becomes the Master

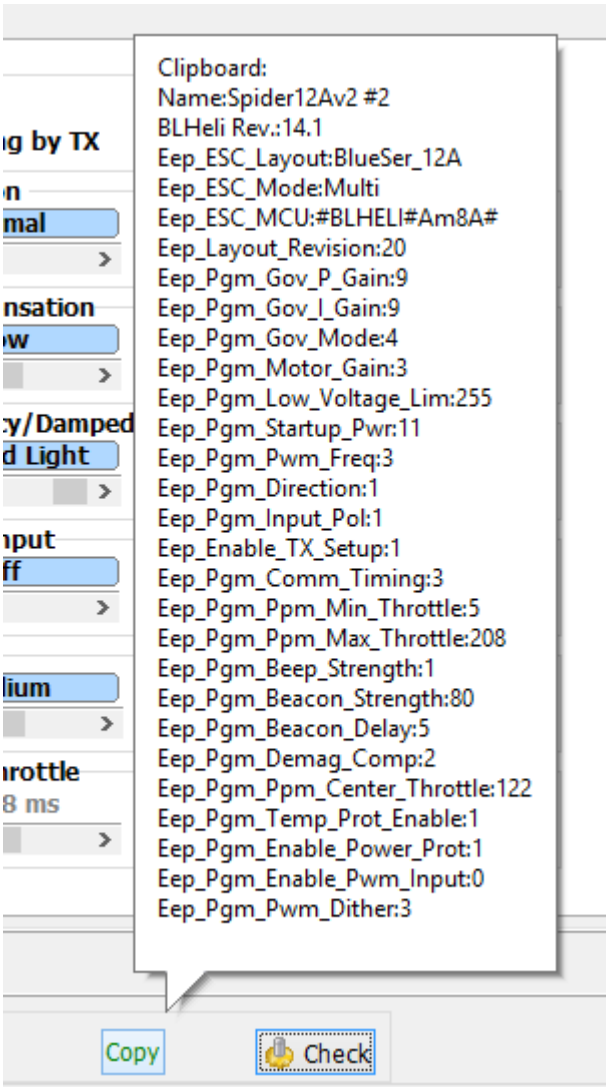
If only one ESC remains active, the titel shows „Single ESC#x“



Use the right Mouse button to directly select the ESCs in “**Single**” mode.

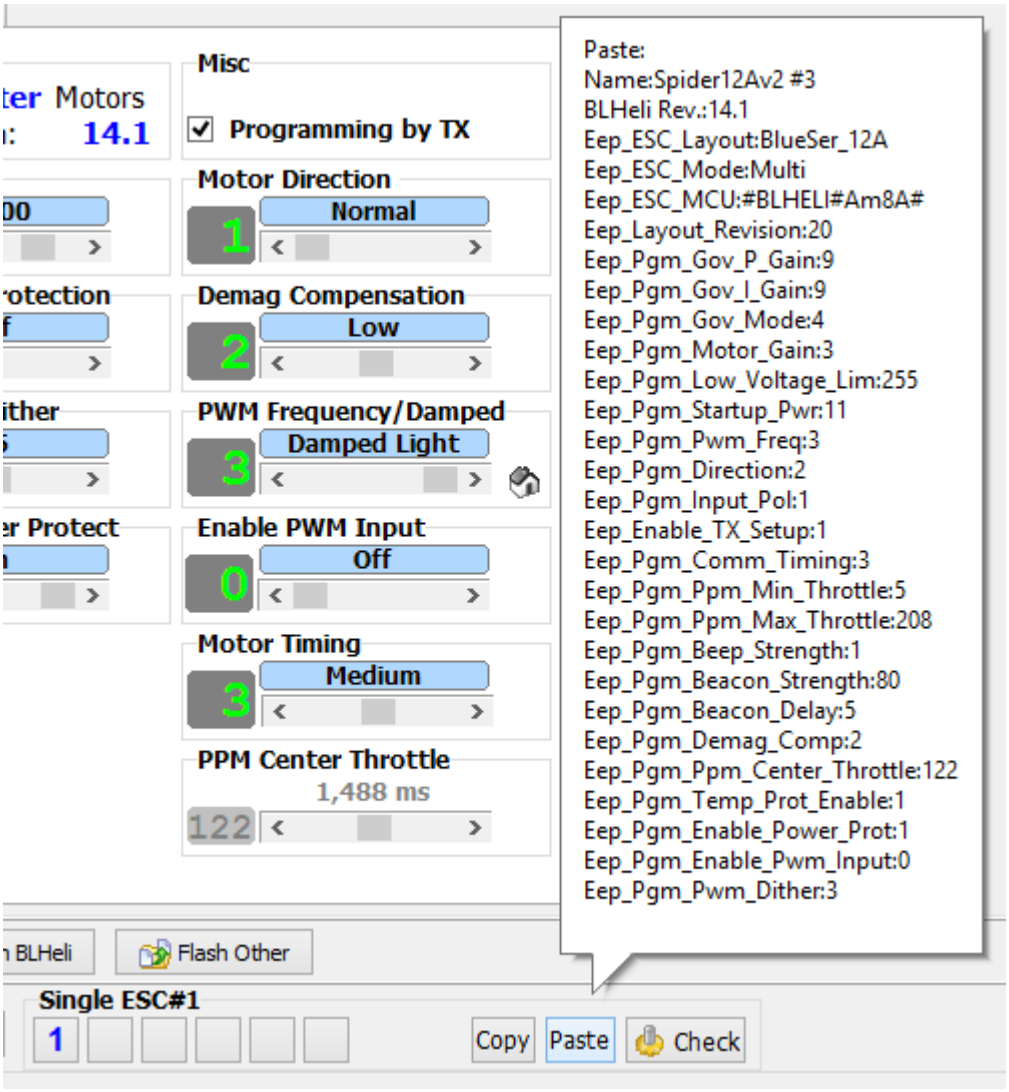
Copy and Paste:

In "**Single**" mode a **Copy** button shows up. Clicking the button will copy the momentary settings as shown into a kind of clipboard. If the button shows a green "**Copy"** the "clipboard" settings are in sync to the current workspace (***ESC # – Name*** and ***Motor Direction*** are not will not be considered!).



Hovering the mouse over the buttoin shows the current clipboard content.

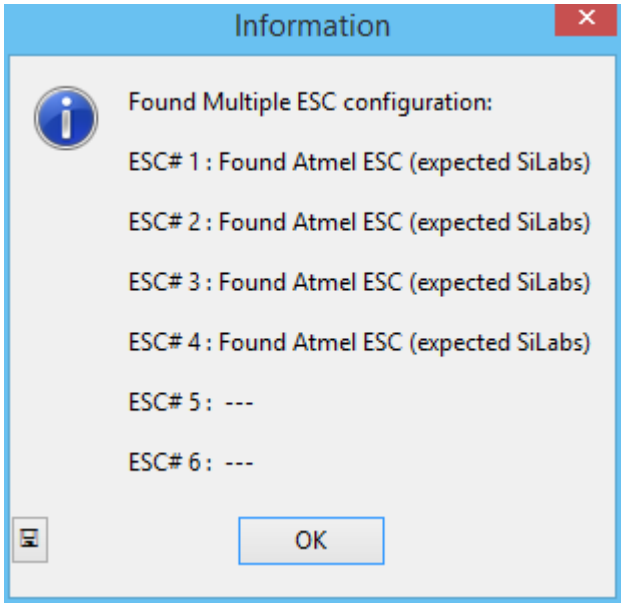
As soon as a the clipboard has valid content and current workspace contains a different valid parameter set, a „**Paste**" button shows up.

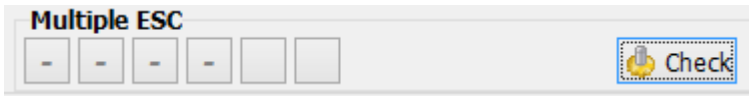


Hovering the mouse over the button shows the current clipboard content to paste. (Again: ***ESC # – Name*** and ***Motor Direction*** are not inlcuded in any past action).
Copy and paste of the name can be simply done as usual in the edit window using ctrl+c/ctrl+v, the motor direction should be set manually.

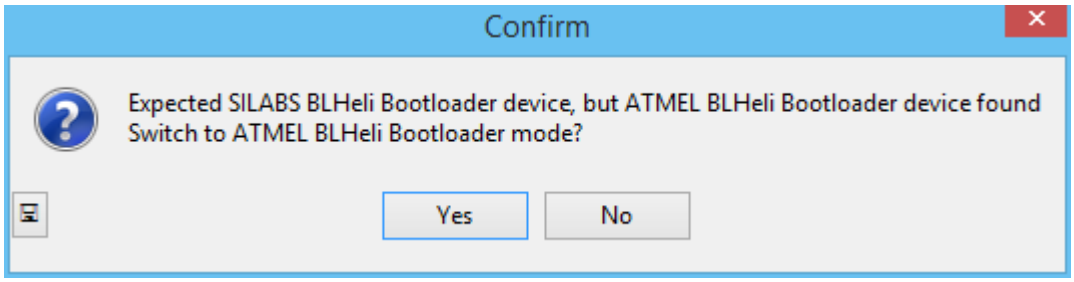
In case the wrong firmware brand was selected with:

If the an interface for the wrong firmware is selected the following (or similar) dialog is shown:





Here the ESC are shown as „-„. If one selects „Read Setup“ the user will be asked for an interface switch.



The same will happen if the first automatic “Check” finds Atmel instead of SiLabs or vice versa.

(The 4way-interface in SiLabs C2 mode does not provide this kind of automatic detection.)