

Expert Software (Overview)

for Control Panel #04152

Mikado
Model Helicopters

File

back

Bank Select

Bank 0/1/2/3
AUX Switch 1..4
Tail Gain AUX

Copy current bank to

Bank 0/1/2/3/all

Copy start

OK / Cancel

Save setup

Setup 1..8

Load Setup

Setup 1..8

Load Preset

Logo 400
Logo 500
MP-XL
Logo 600
T-Rex 600 E
T-Rex 600 N

Select Software

German Expert 4.0
English Expert 4.0
German Quick 4.0
English Quick 4.0



Parameter

back

Collective

-110...+110

Swash Agility

10-120

Swash Sensitivity

10-80

Swshplate Framerate

Digi Servo (7ms)
Digi Servo (12ms)
2.3.3 Analog S. (20ms)

Tail Rate

0...200

Tail Gain

0...120



Swashplate Mixer

back

Swash Framerate

Digi Servo (7ms)
Digi Servo (14ms)
Analog Servo (21ms)

Swash Type

mechanical
120° (1) 2x Ail front
120° (2) 2x Ail. back
90° 2x Ail. 2x Elev.

Swash Rotation

Rel. Deg. -180°...180°

Collective Common

-110...110

Channel 1

Normal/Reversed

Channel 2

Normal/Reversed

Channel 3

Normal/Reversed

Channel 4

Normal/Reversed

Geometry Correction

off/on

Cyclic Gain

0...200

Cyclic Ring

0...100

Collective Pump

0...100



Adjust

back

Autotrim Enable

Off/ON

Triming

Aileron left/right
Elevator up/down
Collective negative/positive

Fine Trim Pos Coll Elev.

-100...100

Fine Trim Pos Coll Ail.

-100...100

Fine Trim neg Coll Elev.

-100...100

Fine Trim neg Coll Ail.

-100...100

Channel 1 Position

-100...100

Channel 2 Position

-100...100

Channel 3 Position

-100...100

Channel 4 Position

-100...100

Test Mode

Off/On



Tail

back

Tail Optimizer

On / Off

Expo Settings

normal / light
medium / deep

Tail Servotype

1,5ms/333Hz
1,5ms/250Hz
760us/333Hz
980us/333Hz

Tail Sensor

normal / invers

Servo Reverse

normal / reversed

RC Input Invert.

normal / reversed

Limit A

20...100

Limit B

20...100

Sensor Deadband

0...50

RC Deadband

0...50

Collective Zero Offset

-100...+100

Proportional

0...120

Integral

0...60

Acceleration

0...100

Piru Correction

-50...+50

Stop Gain A

0...60

Stop Gain B

0...60

Discharge

0...100

Torque Comp Collective

0...60

Torque Comp Cyclic

0...60



Cyclic

back

Swash Optimizer

On / Off

Expo Settings

normal / light
medium / deep

Aileron Sensor

normal / invers

Elevator Sensor

normal / invers

RC Deadband

0...50

Stick Response

soft / normal
aggressive / hard3D

Integral

0...100

Integral Limit

0...100

Elevator Compensation

0...30

AOF Frames

0...30

AOF Intensity

0-120



Live

back

Calibrate Tx

Aileron left/right
Elevator up/down
Tail left/right
Collective negative/positive

RC Inputs 1

Ail, Elev, Tail

RC Inputs 2

Collective, Aux

Gyro Inputs

Ail, Elev, Tail

Integrators

Ail, Elev, Tail



V Bar Control Panel

#04152



+VBar Control Panel

The control panel allows you to program your VBar, to change parameters, and to save and load set-ups. All settings which you have previously programmed via your laptop can now be controlled directly at your helicopter, without using a computer. The control panel is connected to the VBar central unit via a 4-pole wire (connect to Interface 2). Power is supplied from the radio. For storing and transfer of data to other media, the control panel has an integrated SD card reader. Insert the SD-card into the slot in the control panel. Push it in until you hear a "click".

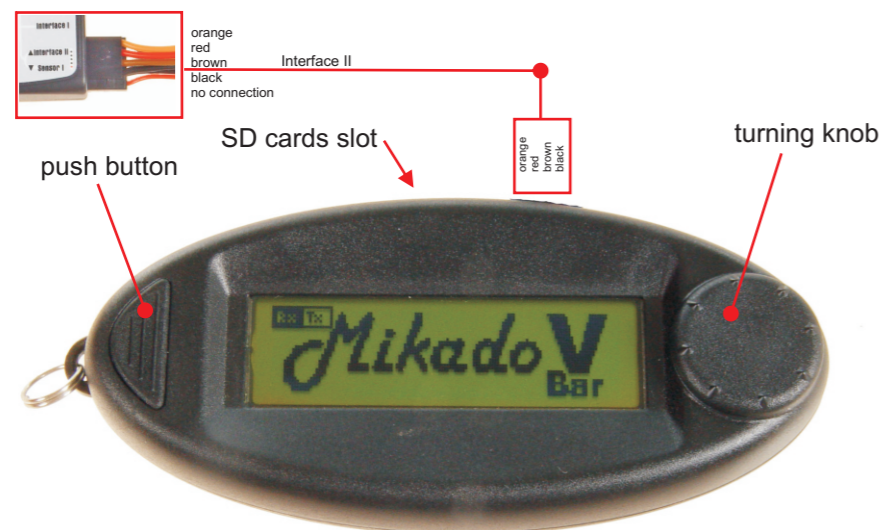
The control panel offers two different modes:

1) **Preset model set-ups** for various different helicopter models (e.g. LOGO, TRex, and others). Chose this option if you want to follow just a few steps to get to a readily setup helicopter which flies perfectly with your VBar. Once at the field, you may then simply go to the parameter menu and adjust agility, sensitivity and rate of the rotor head and the tail rotor.

2) **Expert Software:** In this mode you can adjust selected parameters and also the basic set-up of your helicopter. Pilots, who are not familiar with the expert software are strongly discouraged from using this mode.

Select your language (pre-select is German language)

Under **File or Datei** "Select Software" or "Software Auswahl", you may choose the language in which the text is displayed. All currently available languages are listed in the download area under www.VStabi.de.



Software for Model Preset (Overview)

for Control Box #04152



V Adjust back

Load Preset

- Logo 400
- Logo 500
- MP-XL
- Logo 600
- T-Rex 500
- T-Rex 600 E
- T-Rex 600 N

Calibrate Tx

- Aileron left/right
- Elevator up/down
- Tail left/right
- Collective negativ/positiv

Tail Servotype

- 1,5ms/333Hz
- 1,5ms/250Hz
- 760us/333Hz
- 980us/333Hz

Tail Limit A

- 20...100

Tail Limit B

- 20...100

Tail Reverse

- Normal/Reversed

Channel 1

- Normal/Reversed

Channel 2

- Normal/Reversed

Channel 3

- Normal/Reversed

Trim

- Aileron left/right
- Elevator up/down
- Collective negative/positive

Y Parameter back

Autotrim Enable

- On / Off

Collective Throw

- 110...110

Swash Agility

- 10...120

Swash Gain

- 10...120

Swash Optimizer

- On / Off

Stick Response

- soft / normal
- aggressive / hard3D

Tail Rate

- 0...200

Tail Gain

- 0...120

File back

Save Setup

- Setup 1...8

Load setup

- Setup 1...8

Select Software

- German Expert 4.0
- English Expert 4.0
- German Quick 4.0
- English Quick 4.0

Latest software versions for the control panel and latest ready-to-fly model setups can be found under "download" on the www.VStabi.de page.