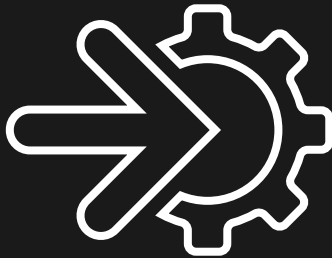# NS-37 GRIP

Connecting the grip to the Virpil base
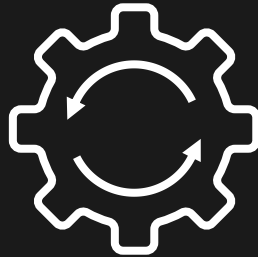
1. Connect NS-37 grip to Virpil base

Software

2. Launch VPC Configuration Tool

3. Update Virpil base firmware if necessary

LOAD VPC DEVICE

SAVE VPC DEVICE

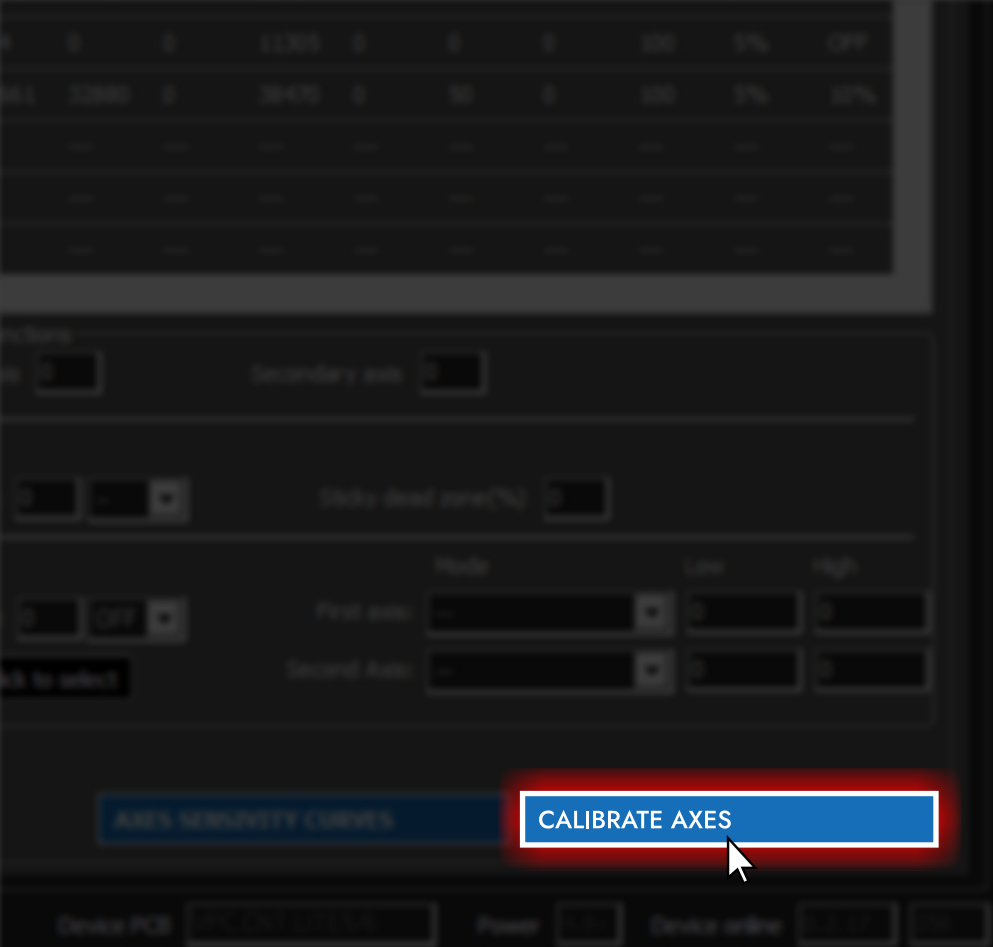[FLIGHT GRIP] VPC Constellation ALPHA ▼

4. In the drop-down list, select the grip Constellation Alpha

AXIS

BUTTON

LED
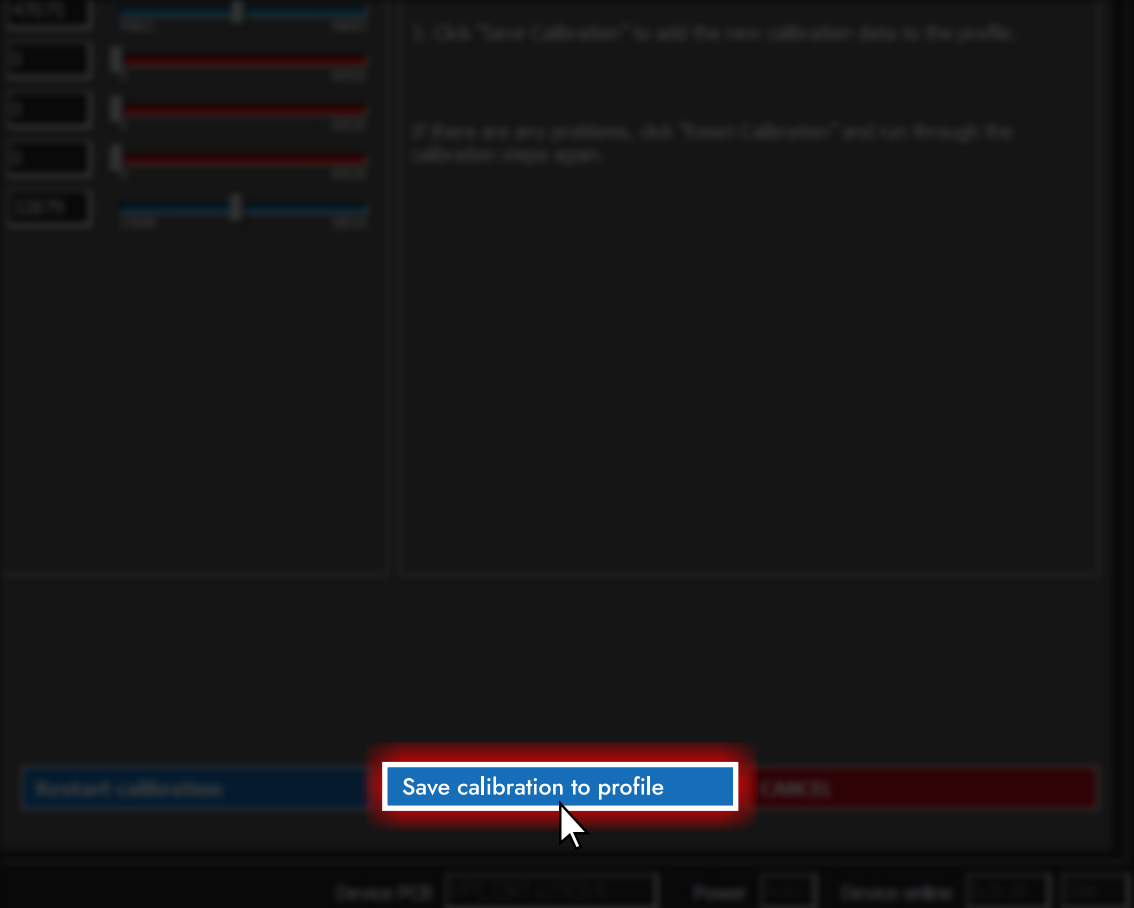
PROFILE

FIRMWARE

5. Calibrate the axes

CALIBRATE AXES

5.1 Start calibrating axes

1. Slowly move all axes to their minimum and maximum positions.

2. Return all axes to their center/neutral position.

3. Click "Save Calibration" to add the new calibration data to the profile.

If there are any problems, click "Reset Calibration" and run through the calibration steps again.

5.3 Follow all the necessary steps according to the instructions

5.4 Disable axes that are physically not present in the NS-37 grip

Save calibration to profile

5.5 Save settings

AXIS

BUTTON

LED

PROFILE

FIRMWARE

[FLIGHT BASE] VPC Mongoose? 50CM3

FLIGHT GRIP VP

Device side

LEFT RIGHT

No twist grip (locked twist)

Split by 32 buttons

Turn ON ALPS Hall diagnostic (if new)

Profile management

IMPORT FILE EXPORT FILE

RESET PROFILE

USB

USB Name   VPC Stick MT 50CM3

USB Vendor ID

USB Product ID

6. Set up huts (Go to button settings)

S4 0 OFF LED Disabled/Click to select

S5 0 OFF LED Disabled/Click to select

ALIPS Decoding

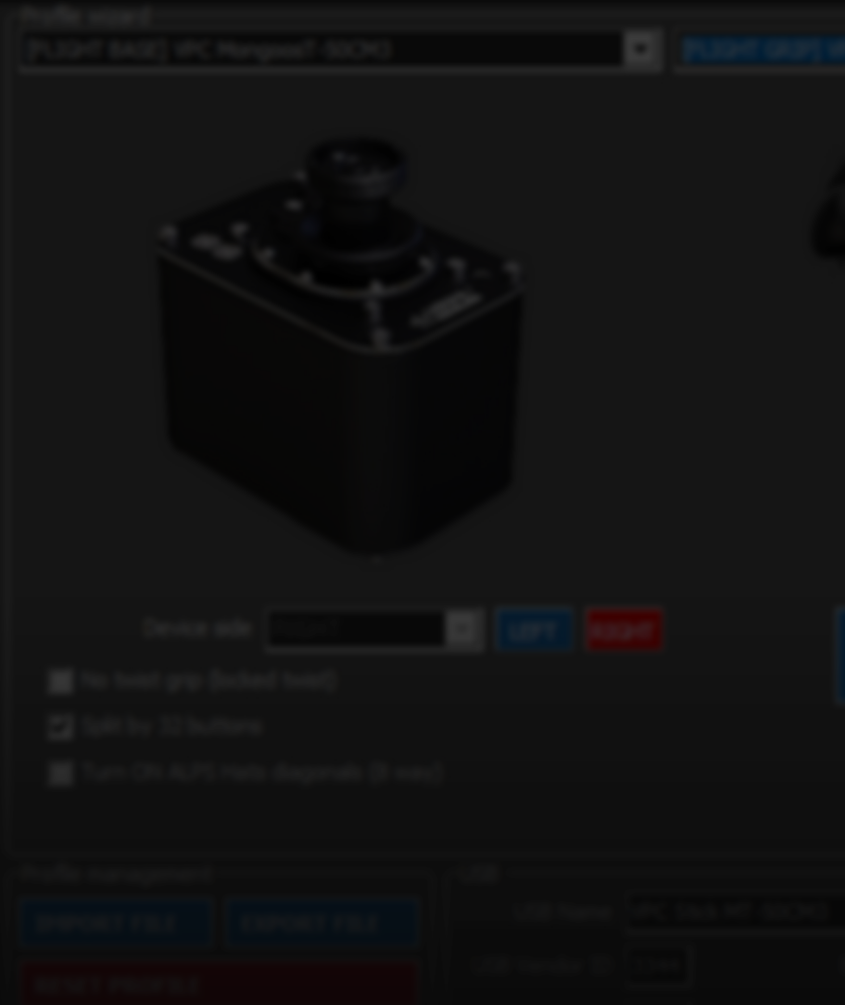| -mode-	-center-	--------sides---------			
4W	11	13	16	15	14
4W	25	21	22	19	20
---	0	0	0	0	0
---	0	0	0	0	0
---	0	0	0	0	0
---	0	0	0	0	0
---	0	0	0	0	0

Device PCB

6.1 Specify the physical buttons connected to the hats
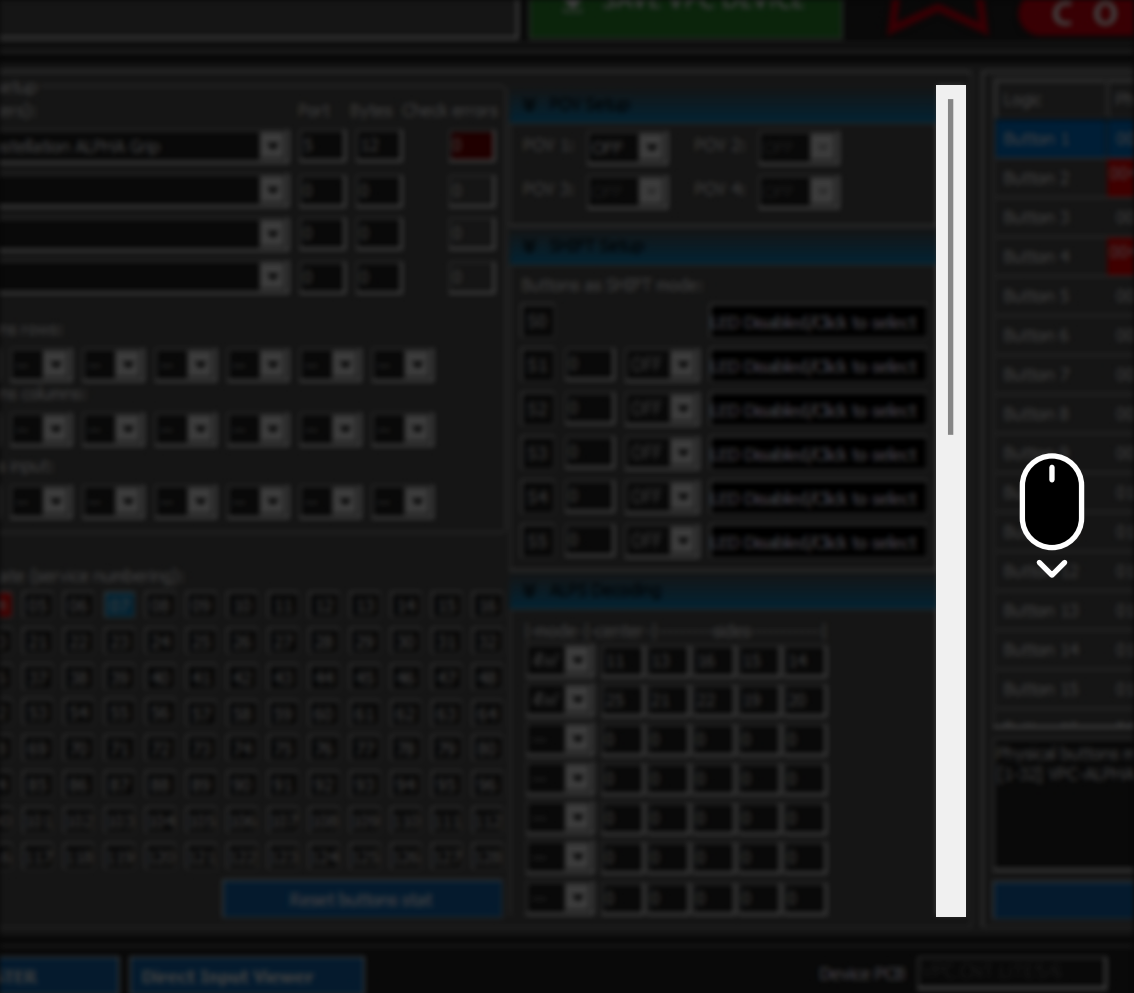(you must enter the numbers as in the screenshot)

AXIS

BUTTON

LED

PROFILE

FIRMWARE

7. Set up the encoder (Go to button settings)

7.1 Scroll down to the 'Encoders' field

ENCODERS Decoding

---------mode---------	---buttons---	
Encoder Scroll ▼	17	18
--- ▼	0	0
--- ▼	0	0
--- ▼	0	0
--- ▼	0	0
--- ▼	0	0
--- ▼	0	0
--- ▼	0	0

TOGGLES Decoding

Detect toggle middle position (virtual button)

| Toggle 1 | 0 | OFF ▼ | 0 | OFF ▼ |
| Toggle 2 | 0 | OFF ▼ | 0 | OFF ▼ |

10 11 12 13 14 15 16
26 27 28 29 30 31 32
42 43 44 45 46 47 48
58 59 60 61 62 63 64
74 75 76 77 78 79 80
90 91 92 93 94 95 96
106 107 108 109 110 111 112
122 123 124 125 126 127 128

Button 4
Button 5
Button 6
Button 7
Button 8
Button 9
Button 10
Button 11
Button 12
Button 13
Button 14
Button 15

Physical button
[1-32] VPC-AL...

7.2 Specify the physical buttons connected to the encoder
(you must enter the numbers as in the screenshot)

version   USB Connection
Y-20240814   Hub005Port004

⬆ LOAD VPC DEVICE

⬇ SAVE VPC DEVICE

Port   Bytes   Check errors

Logic

Button 1
Button 2
Button 3
Button 4
Button 5
Button 6
Button 7
Button 8
Button 9
Button
Button

ENCODERS Decoding

mode   buttons

EncoderScroll   17   18

8. Save all settings to device

LET'S FLY!

9. Basic setup is complete, look for a more detailed description of the software functions on the manufacturer's official website