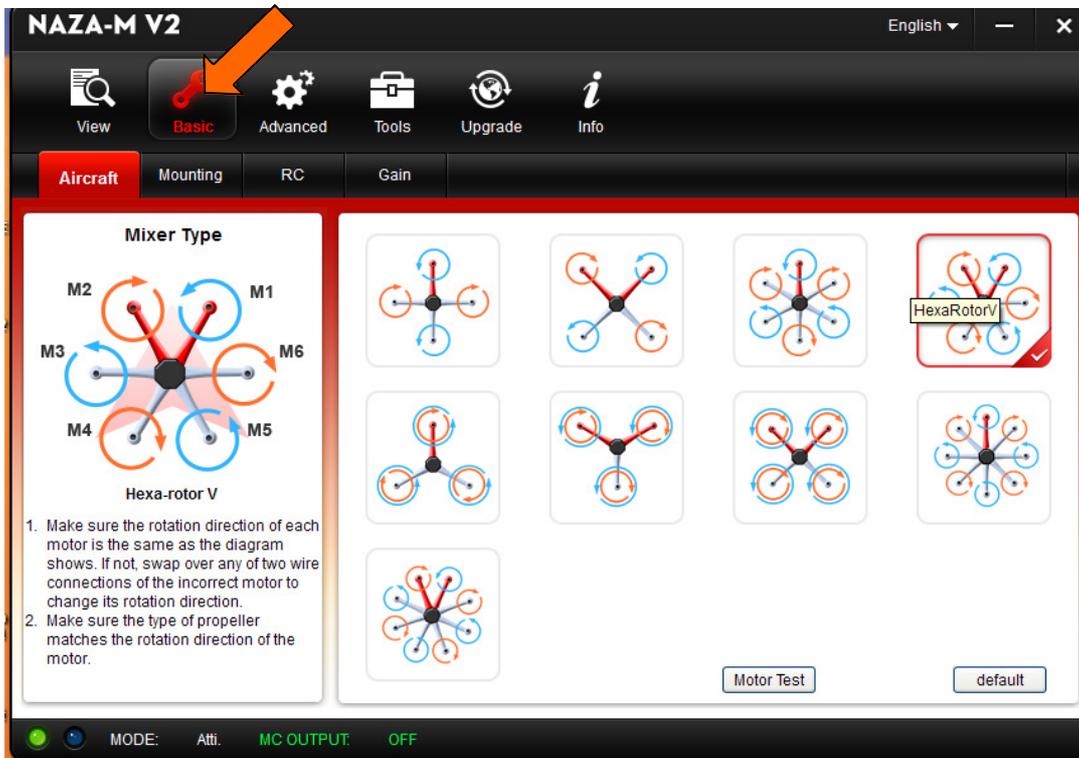


Heli Shop Einstellhilfe für GAUI MRT-840H mit NAZA V2

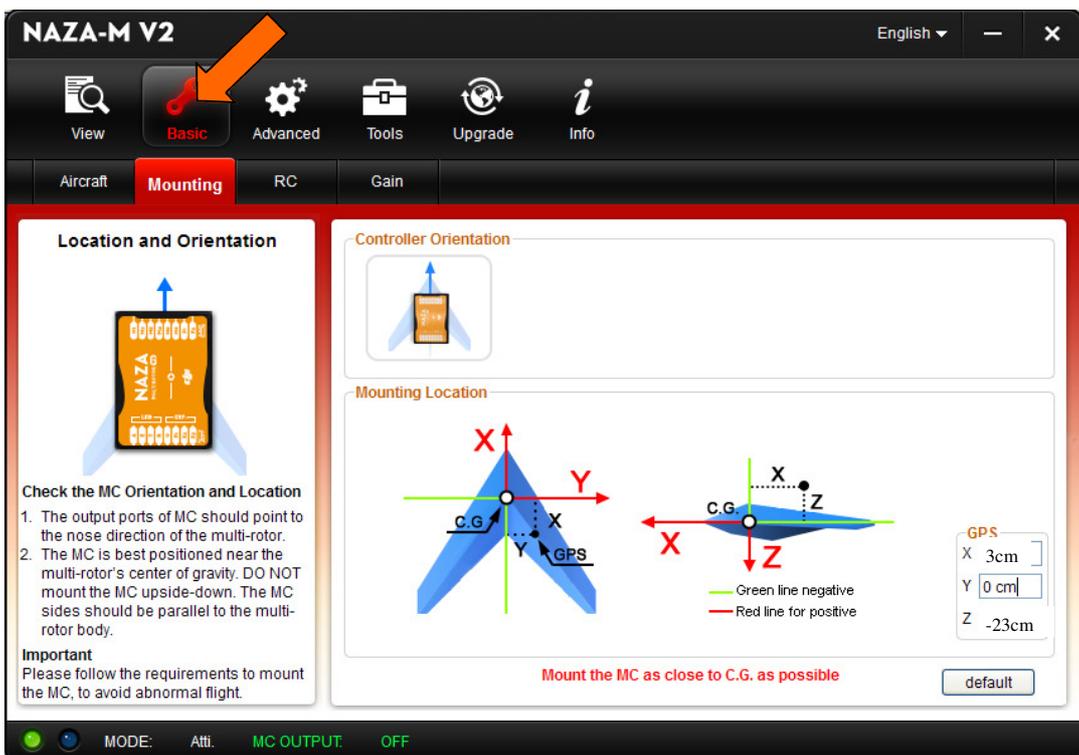
Grundlegende Einstellabfolge und passende Settings für den GAUI MRT-840H mit Naza V2

1. Copter Type auswählen: Hexa Rotor v



2. Einbauposition der IMU bestätigen und Position der GPS Antenne angeben.

Hinweis: Die in der Abb. Angegebenen Werte beziehen sich auf die Verwendung des GPS Antennehalters mit der Art. Nr. HEP0458



Heli Shop Einstellhilfe für GAUI MRT-840H mit NAZA V2

3. RC Type festlegen

Bitte Empfängertype (Tradition für alle normenlen PWM Empfänger) angeben, Laufrichtungen mit den Buttons „REV“ bzw. „NORM“ passend einstellen und danach die Kalibrierung starten, durchführen und beenden. Die Wege des Sliders „U“ sind mit der Wegeinstellung des Senders exakt anzupassen. (End Point und SUB Trim) Ein frei programmierbarer Mischer des Senders muss den Slider in die „Fail Safe“ Position bringen. Dies muss aus jeder Flugphase heraus aufrufbar sein. (siehe Punkt 5.) Die Fail Safe Position ist auch im Empfänger der RC-Anlage zu speichern. (siehe Handbuch Ihrer RC-Anlage)

NAZA-M V2 English

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Aircraft Mounting **RC** Gain

R/C TX & RX Settings

Control Mode Setting

1. Choose a 3-position switch channel for the mode selection.
2. While watching the U channel slider in the assistant software, at each switch position, use the TX sub-trim and endpoint to move the U channel slider until the GPS, Atti. or Manual area turns blue.
3. Set the Failsafe of the TX.
4. Select a Mode from the Drop-down box. If "FailSafe" chosen, the system enters into FailSafe by toggling the switch.

After setup please re-check

1. Toggle the mode switch and make sure the relevant area of the U channel slider turns blue.
2. Switch off the TX, the Failsafe part of the U channel slider should turn blue.

Tip
Please refer to your TX manual and "F/S" in the "Advanced" for more setting details.

Receiver Type
 Tradition D-Bus PPM

Receiver Advanced Protection
 ON OFF

Command Sticks Calibration

A REV
E NORM
T NORM
R REV

Calibration START

Sticks Monitor

X1
X2

X1 Calibration

Calibration START

Control Mode Switch

Atti. Failsafe Atti. Failsafe Manual

U

MODE: Atti. MC OUTPUT: OFF

4. GAIN Einstellungen

Mit den angegebenen Werten wird der MRT840 auf Antrieb stabil und ausgeglichen fliegen. Die Werte beziehen sich auf den Firmwarestand 4.02 und können bei nachfolgenden Versionen abweichen.

NAZA-M V2 English

View Basic Advanced Tools Upgrade Info

Aircraft Mounting RC **Gain**

Gain Adjustment

Gains Adjustment

1. Increase the Basic Gain 10% at a time until the aircraft hovers or lightly oscillates after a small command stick input.
2. Decrease the Basic Gain until the aircraft can just hover, then decrease 10% more.
3. Now the gain is perfect, but the attitude reaction change is slow. You can follow the steps to tune the attitude gains.

Remote Tuning Setting

1. Make sure the TX setting is correct.
2. Choose the X1/X2 channel.
3. The range of remote tuning is from half to twice of the setup value.

Tips

1. The vertical gain will NOT affect the manual mode.
2. If the aircraft can lock the altitude when the throttle stick is at center position, the Vertical gain is good enough.

	Pitch	Roll	Yaw	Vertical
Basic Gain	135%	135%	130%	135%
Remote Adjust	INH	INH	INH	INH
Attitude Gain	100%	100%		
Remote Adjust	INH	INH		

default

MODE: Atti. MC OUTPUT: OFF

Heli Shop Einstellhilfe für GAUI MRT-840H mit NAZA V2

5. Fail Safe Mode

Wir empfehlen die Einstellung „Go-Home and Landing“

NAZA-M V2 English ▾ — ✕

View Basic **Advanced** Tools Upgrade Info

Motor **F/S** IOC Gimbal Voltage Limits

Failsafe Settings

Please select the desired Failsafe method.

What is Enhanced Failsafe
Using the GPS Module, you can select "Landing" or "Go-Home and Landing"(in GPS Mode). Otherwise, only Landing.It will be triggered when the Main Controller (MC) loses the control signal from the TX.

What is Home point
Before takeoff, current position of multi-rotor will be saved as home point when you push the throttle stick first time, after 6 or more GPS satellites are acquired, for more than 8s. Assure correct recording.

How to re-gain control
Switch to Manual Mode or Atti. Mode to re-gain control of multi-rotor when it is in Failsafe Mode.

Important
The aircraft will not go home if the GPS signal is not good.

Enhanced Failsafe Methods

Landing Go-Home and Landing

20M

Home

GPS needed.

MODE: Atti. MC OUTPUT: OFF

6. Intelligent Orientation Control—IOC

Wir empfehlen diese Funktion nicht zu aktivieren.

NAZA-M V2 English ▾ — ✕

View Basic **Advanced** Tools Upgrade Info

Motor F/S **IOC** Gimbal Voltage Limits

Intelligent Orientation Control (IOC)

IOC Setting Procedure

1. Please choose a 3-positions switch on your transmitter as IOC switch, which is also used for recording the multi-rotor orientation or home position.
2. Make sure to connect the correct receiver channel to X2 port of MC.
3. Click the CheckBox to enable the IOC.
4. Select control mode options.
5. Toggle the IOC switch to move the cursor of X2 to turn the corresponding area blue respectively.

Tips

1. If you use S-Bus/PPM receiver, the default X2 channel connection is the 6th channel of the transmitter.
2. If the software does not give the correct response, use end-point fine tuning on your transmitter to adjust the X2 channel.
3. Refer to the Manual for operation info.

Intelligent Orientation Control

X2 Home Lock Course Lock OFF

>10M

Home

GPS needed.

MODE: Atti. MC OUTPUT: OFF

Heli Shop Einstellhilfe für GAUI MRT-840H mit NAZA V2

6. Battery Protection

Die in der Abbildung angegebenen Werte beziehen sich auf einen MATCH Lipo Akku 6S 10.000mAh. Die passenden Werte für andere Akkus müssen individuell ermittelt werden.

Hinweis: Die Werte sind abhängig von Zuladung, Akkuzustand und Einsatzbedingungen

NAZA-M V2 English

View Basic **Advanced** Tools Upgrade Info

Motor F/S IOC Gimbal **Voltage** Limits

Low-voltage Alert

The setting of Second Level Protection is the same as First Level Protection. When it is triggered, the LED warning will be on and the multi-rotor will descend. Meanwhile the center point of throttle stick cannot hold the aircraft hovering, so that the aircraft will descend slowly.

Tips

- When the second level protection is triggered, the center point of throttle stick will move up slowly to 90% of endpoint, in order to keep the aircraft hovering.
- When the center point is at 90% of endpoint, aircraft will still start to ascend slowly if you continue to pull the throttle stick, and the control of Pitch, Roll and Yaw are the same as before. Please land ASAP to prevent your aircraft from crashing or other harmful consequences!

Protection Switch

ON OFF

Battery

Current Voltage **X3** 11.4 V Calibration

Battery Type 6S LiPo

First Level Protection

No Load	Loss	Loaded
21.00 V	0.60 V	20.40 V

Safeguard: LED Warning

Second Level Protection

No Load	Loss	Loaded
19.9 V	0.60 V	19.30 V

Safeguard: Descending

Press Enter to Write.

MODE: Atti. MC OUTPUT: OFF

7. Flight Limits

Die Werte sollten Sie den entsprechenden derzeit gültigen lokalen Bestimmungen anpassen.

NAZA-M V2 English

View Basic **Advanced** Tools Upgrade Info

Motor F/S IOC Gimbal Voltage **Limits**

Flight Limits

Flight Limits is aimed to restrict the flight height and distance.

Settings

- Write values in the Max Height and Max Radius boxes to limit the flight height and distance within the range.
- The default Max Height is 2000m and Max Radius is 2000m.

Important

- Max Height works in the GPS or ATTI control mode. Max Radius works only in the GPS mode and the satellites count no less than 6.
- If the aircraft flies out of the limits, it's still controllable except flying further away.
- If the control mode is changed to GPS when the aircraft is out of Max Radius, the aircraft will fly back within the entered ranges.
- The Failsafe and the Ground Station operations are not restricted to the Flight Limits.

Max Height: 150 m Max Radius: 1000 m

Press Enter to Write. Default

MODE: Atti. MC OUTPUT: OFF