

MICROBEAST OVERVIEW

SETUP MENU

(Menu LED is steady ON)

Status-LED:		off	purple	red flashing	red	blue flashing	blue
A	Mounting orientation				upright (vertical)		flat (horizontal)*
B	Swashplate servo - frequency	user defined	50 Hz*	65 Hz	120 Hz	165 Hz	200 Hz
C	Tail servo - center position pulse length	user defined	960 µs		760 µs		1520 µs*
D	Tail servo - frequency	user defined	50 Hz*	165 Hz	270 Hz	333 Hz	560 Hz
E	Tail servo - rotor endpoints	tail stick - move to right endpoint and wait / left endpoint and wait					
F	Tail - sensor direction				normal*		reversed
G	Swashplate - servo centering	reference position	CH1 center pos.		CH2 center pos.		CH3 center pos.
H	Swashplate - mixer	user defined	mechanical	90°	120°*	140°	140° (1=1)
I	Swashplate - servo directions	nor rev rev	nor nor rev*		nor rev nor		nor nor nor
J	Swashplate - cyclic pitch geometry	aileron stick – adjust 6° cyclic pitch on the roll axis (blades aligned with fuselage)					
K	Collective pitch range	collective stick on max and min position and use tail stick to adjust desired pitch					
L	Swashplate - cyclic limit	move aileron, elevator and pitch sticks – adjust max limits with tail stick					
M	Swashplate - sensor directions	rev rev	rev nor		nor rev		nor nor*
N	Pirouette optimization direction				normal*		reversed

PARAMETER MENU

(Menu LED is flashing quickly)

Status-LED:		off	purple	red flashing	red	blue flashing	blue
A	Swashplate - cyclic center adjustment	aileron and elevator stick – reset with tail stick					
B	Control behavior	user defined	normal	sport*	pro	extreme	transmitter
C	Swashplate - pitching up behavior	user defined	very low	low	medium*	high	very high
D	Tail - HeadingLock gain	user defined	very low	low	medium*	high	very high
E	Stick deadband	user defined	1	2*	3	4	5
F	Tail - torque precompensation (RevoMIX)	user defined	off*	low - nor	high - nor	low - rev	high - rev
G	Cyclic response	user defined	normal*	slightly increased	increased	high	very high
H	Pitch boost	user defined	off*	low	medium	high	very high

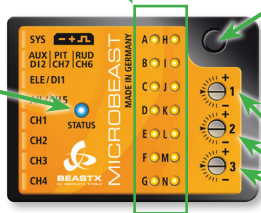
* Factory settings

ADJUSTMENT OPTIONS - OVERVIEW

Menu LEDs: Amount of tail gain **A**=0% to **N**=100%
(only after powering up or when adjusting the gain)

Status-LED:

Tail gyro mode:
off, flashing blue or blue
= HeadingLock mode
purple = Normal-Rate mode



Button:

- to enter setup menu push down several seconds until LED **A** is steady on
- to enter Parameters menu push shortly until LED **A** is flashing

Dial 1: cyclic gain

Dial 2: direct cyclic feed forward

Dial 3: tail dynamic

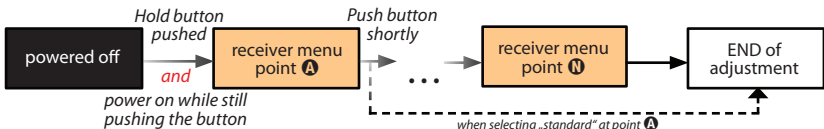
parameter menu:



setup menu:



receiver menu:



Never fly while the MICROBEAST is in one of the setup or parameter menu!

In this condition the gyro control and the stick controls are disabled.