

Why HIVE?

It is universal understanding that 5.8GHz frequencies are allowed with CE/FCC standard within a limited power (usually lower than 25mW) and frequencies (5725MHz-5875MHz). But limited power and frequencies mean less fun and short distance in FPV.

So BeeRotor combined two contradictory status together, and brought in HIVE, a universal FPV transmitter, offers 24CH (25mW)-40CH (25mW/200mW/600mW) via simple E3 lock-unlock.

When you need to stay within legal frequencies and low power, you can choose 24CH (25mW) mode.

When you need extra power and frequencies, you can unlock it. PLEASE do this with proper license or under proper conditions.

40CH (25mW/200mW/600mW) mode includes RaceBand :)

How HIVE does it

Legal Mode

24CH			
Power	25mW	Frequency	A(1-8CH)
		Band	B(1-8CH)
		3*B=24CH	C(1-8CH)
Frequency:5725MHz-5875MHz CE/FCC allowed			

Wild Mode

40CH			
Power	25mW	Frequency	A(1-8CH)
	200mW	Band	B(1-8CH)
	600mW	5*B=40CH	E(1-8CH)
			F(1-8CH)
			R(1-8CH)
Frequency:5325-5945MHz			

LED indication

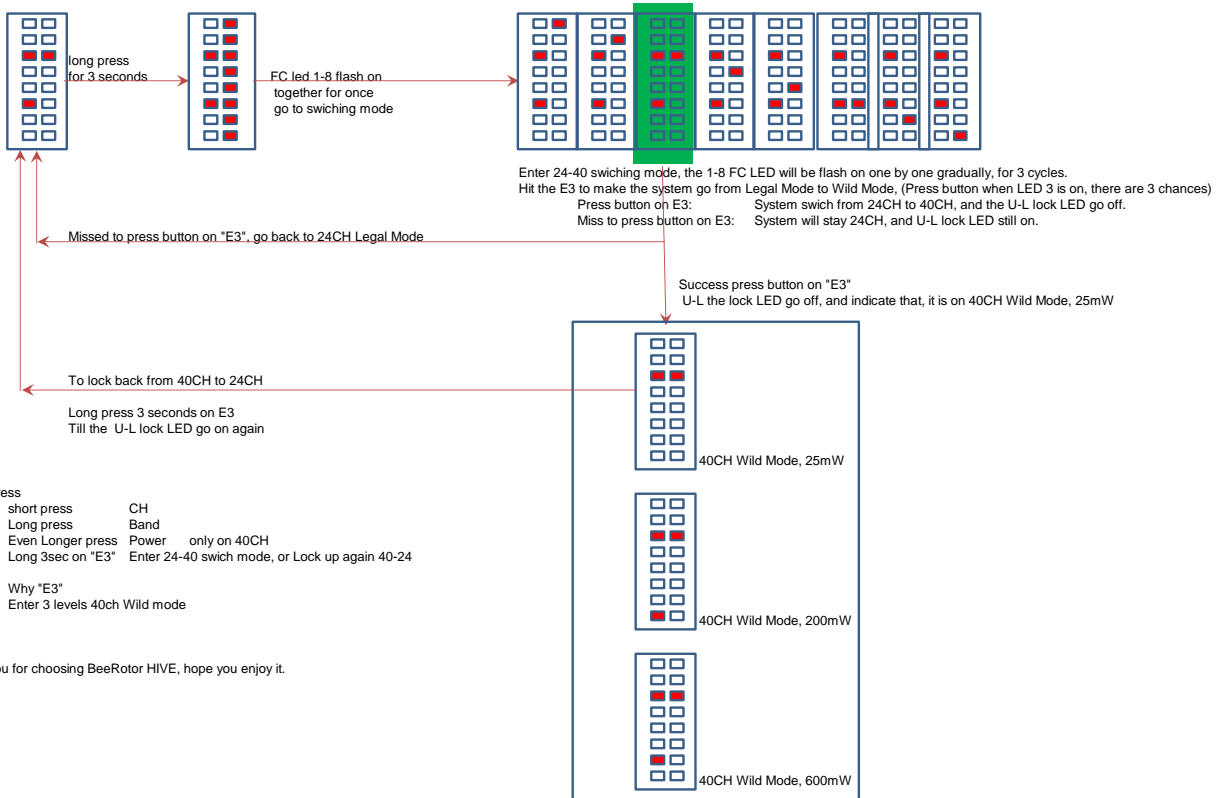


FB LED (frequency band LED)
Only first three LED work on 24CH
All five LED work on 40CH

Lock LED: on(24ch,25mW) / off(40ch)
Power LED (only work on 40CH)
25mW (H and M off) 200mW(M on, H off) 600mW(M off, H on)

FC LED (frequency channel LED)
All 1-8 leds will be on together for indication 24-40
Then 1 to 8 LED will be on one by one for 3 times. Offers three chances for you to press button on E3 to unlock from 24CH to 40CH.
Success: U-L lock LED will go off, and go to 40CH mode
Miss: U-L lock LED will stay on 24CH mode

We set a E3 lock between Legal Mode and Wild Mode,
HIVE is set by default to be Legal Mode you will need to unlock for Wild Mode
First you will need to press button to get to E3



Button press
short press CH
Long press Band
Even Longer press Power only on 40CH
Long 3sec on "E3" Enter 24-40 swich mode, or Lock up again 40-24

Why "E3"
Enter 3 levels 40ch Wild mode

Thank you for choosing BeeRotor HIVE, hope you enjoy it.

Frequencies table:

24CH LEGAL MODE, 25mW								
	CH1	CH2	CH3	CH4	CH5	CH6	CH7	CH8
A	5865	5845	5825		5805	5785	5765	5745
B	5733	5752	5771		5790	5809	5828	5847
C	5740	5760	5780		5800	5820	5840	5860

40CH WILD MODE, 25mW/200mW/600mW								
	CH1	CH2	CH3	CH4	CH5	CH6	CH7	CH8
A	5865	5845	5825		5805	5785	5765	5745
B	5733	5752	5771		5790	5809	5828	5847
E	5705	5685	5665		5645	8558	5905	5925
F	5740	5760	5780		5800	5820	5840	5860
R	5658	5695	5732		5769	5806	5843	5880