

## XXcontrollerV1.4 Menu Structure

| <u>Menu Levels</u> | <u>Value</u>      | <u>Notes</u>                    |
|--------------------|-------------------|---------------------------------|
| CoPTer:            | QUAD+             | <a href="#">Read-only node</a>  |
| Sw-Ver             | V1.4h             |                                 |
| SENSors            |                   |                                 |
| Gyro               |                   |                                 |
| Roll               |                   |                                 |
| Dir                | Normal            | Direction: Normal/Reversed      |
| Pitch/Yaw          | same as Roll      |                                 |
| TxStick            |                   |                                 |
| TrimAdj            |                   |                                 |
| Roll               | 0                 | +/-20                           |
| Pitch/Yaw          | same as Roll      |                                 |
| EndPoints          |                   | Set Stick Min/Max               |
| Roll               | +/-60             |                                 |
| Coll               | 230               | Max Collective                  |
| Pitch/Yaw          | same as Roll      |                                 |
| Hyster             | 1                 | Hysteresis: 0(off),1,2,3        |
| Calibration        |                   | Set Centres + Collective        |
| Done!              |                   |                                 |
| Coll-Boost         | 25                | Boost Collective at low speed   |
| Yaw TailAdj (*1)   | false             | Boost Tail motor when Yawing    |
| Profile Default    |                   |                                 |
| Default            |                   | Profile Name (Select to change) |
| RollPitch          |                   |                                 |
| PID                |                   |                                 |
| P                  | 165               | P Term                          |
| I                  | 40                | I Term                          |
| D                  | 40                | D Term                          |
| TxRate             | 54                | Tx Stick Rate                   |
| TxExpo             | 10                | Tx Expo Curve                   |
| Yaw                |                   |                                 |
| PID                | same as RollPitch |                                 |
| TxRate             | same as RollPitch |                                 |
| Response           | Soft              | Soft / Firm                     |
| Mixer (*1)         | None              | RollOnYaw/YawOnRoll/None        |
| Anti-Stall         | true              | Stops motor under-saturation    |
| OTHer              |                   |                                 |
| StickArm           |                   |                                 |
| Point              | 25                | Arming (Yaw) Point              |
| Side               | Left              | Left/Right                      |
| Delay              | 2.5 Seconds       | in 1/2Seconds                   |
| Back-Light         | 20                | LCD backlight                   |
| LVA (*2)           |                   | Low Voltage Alarm               |
| Enable             | Yes               | Enable LVA: Yes/No              |
| Calibrate          | 12.6V             | Current Voltage                 |
| LowBatt            | 10.5V             | Alarm Voltage                   |
| DIAGnostics        |                   | <a href="#">Read-only node</a>  |
| Gyro               |                   |                                 |
| Roll               | 750 - 745 = 5     | ADC - Offset = Nett             |
| Pitch/ Yaw         | same as Roll      |                                 |
| Rx                 |                   |                                 |
| Roll               | 1542uS [ +4/ +3]  | Pulse [Raw/Nett Level]          |
| Pitch/Coll/Yaw     | same as Roll      |                                 |
| Motor              |                   | Motors dependent on config      |
| M1:Front           | 45                | Motor output 0->250             |
| M2:Left            | 43                |                                 |
| M5:Right           | 46                |                                 |
| M6:Back            | 44                |                                 |
| LoopRate           | 493Hz 2027uS      | current rate / time             |
| ReSeT              |                   |                                 |
| Eeprom             | No/Done !         | Resets eeProm back to default   |

\*1 : TRI-copter only

\*2 : not available in all versions. Only enable it if your board supports it!