

## Setup Sheet 1/10 G2

|              |            |
|--------------|------------|
| Driver name: | Maty Knopp |
|--------------|------------|

|                              |             |  |  |  |  |  |
|------------------------------|-------------|--|--|--|--|--|
| ESC                          | G2 Nitride  |  |  |  |  |  |
| Car                          | X4 2026     |  |  |  |  |  |
| Track type                   | Mixed       |  |  |  |  |  |
| Date / Event                 | CZ Nats R2  |  |  |  |  |  |
| Motor                        | Cayote 5,5T |  |  |  |  |  |
| Rotor (mm)                   | 12,3        |  |  |  |  |  |
| Motor Timing (°)             | 32          |  |  |  |  |  |
| Car info - Gear ratio        | 6,8         |  |  |  |  |  |
| Radio info - Break on radio  | 75%         |  |  |  |  |  |
| Active FAN on ESC (yes / no) | no          |  |  |  |  |  |



| Throttle |          |         |     |     |     |     |     | Range         | Default value |
|----------|----------|---------|-----|-----|-----|-----|-----|---------------|---------------|
|          | PWM      | 8,0 kHz | kHz | kHz | kHz | kHz | kHz | 0.5 to 45 kHz | 8.0 kHz       |
|          | expo     | 0       |     |     |     |     |     | -64 to +64    | 0             |
|          | response | 0       |     |     |     |     |     | -15 to +10    | 0             |
|          |          |         |     |     |     |     |     |               |               |

| Brake |       |         |     |     |     |     |     |                 |         |
|-------|-------|---------|-----|-----|-----|-----|-----|-----------------|---------|
|       | min   | 10 %    | %   | %   | %   | %   | %   | 0 to 99 %       | 10      |
|       | max   | 90 %    | %   | %   | %   | %   | %   | 1 to 200 %      | 100 %   |
|       | expo  | 0       |     |     |     |     |     | -64 to +125     | 0       |
|       | dragB | 4 %     | %   | %   | %   | %   | %   | 0 to 100 %      | 0 %     |
|       | PWM   | 2,5 kHz | kHz | kHz | kHz | kHz | kHz | 1.0 to 16.0 kHz | 2.0 kHz |

| Boost Timing |         |   |  |  |  |  |  |                    |          |
|--------------|---------|---|--|--|--|--|--|--------------------|----------|
|              | rpm 0   | 0 |  |  |  |  |  | 1k to 48k          | 15k      |
|              | rpm 1   | 0 |  |  |  |  |  | 2k to 49k          | 25k      |
|              | rpm 2   | 0 |  |  |  |  |  | 3k to 50k          | 40k      |
|              | boost 1 | 0 |  |  |  |  |  | 0 to 63            | 0        |
|              | boost 2 | 0 |  |  |  |  |  | 0 to 63            | 0        |
|              | split   | 0 |  |  |  |  |  | no split, 30 to 90 | no split |
|              |         |   |  |  |  |  |  |                    |          |

| Turbo Timing |           |        |    |    |    |    |    |                        |        |
|--------------|-----------|--------|----|----|----|----|----|------------------------|--------|
|              | turbo     | 40     |    |    |    |    |    | 0 to 63                | 25     |
|              | delay     | 0,01 s | s  | s  | s  | s  | s  | 0.00 to 1.00 s         | 0.05 s |
|              | ramp up   | 400 /s | /s | /s | /s | /s | /s | 10 to 1000 /s, instant | 250 /s |
|              | ramp down | 400 /s | /s | /s | /s | /s | /s | 10 to 1000 /s, instant | 350 /s |
|              |           |        |    |    |    |    |    |                        |        |

| Hall Angle |            |   |  |  |  |  |  |           |     |
|------------|------------|---|--|--|--|--|--|-----------|-----|
|            | rpm 0      | 0 |  |  |  |  |  | 5k to 49k | 10k |
|            | rpm 1      | 0 |  |  |  |  |  | 6k to 50k | 44k |
|            | hall angle | 0 |  |  |  |  |  | 0 to 20   | 0   |

| Motor Power |        |   |  |  |  |  |  |                  |     |
|-------------|--------|---|--|--|--|--|--|------------------|-----|
|             | preset | 0 |  |  |  |  |  | +4T to 0.5T, off | off |
|             |        |   |  |  |  |  |  |                  |     |

| Motor Power ExpertMode * |              |   |  |  |  |  |  |           |   |
|--------------------------|--------------|---|--|--|--|--|--|-----------|---|
|                          | power at 0   | 0 |  |  |  |  |  | - 99 to 0 | 0 |
|                          | power at 5k  | 0 |  |  |  |  |  | - 99 to 0 | 0 |
|                          | power at 10k | 0 |  |  |  |  |  | - 99 to 0 | 0 |
|                          | power at 15k | 0 |  |  |  |  |  | - 99 to 0 | 0 |
|                          | power at 20k | 0 |  |  |  |  |  | - 99 to 0 | 0 |
|                          | power at 25k | 0 |  |  |  |  |  | - 99 to 0 | 0 |
|                          | power at 30k | 0 |  |  |  |  |  | - 99 to 0 | 0 |
|                          | power at 45k | 0 |  |  |  |  |  | - 99 to 0 | 0 |
|                          | power at 60k | 0 |  |  |  |  |  | - 99 to 0 | 0 |
|                          | power at 80k | 0 |  |  |  |  |  | - 99 to 0 | 0 |

## Brake Softening

```

BRAKE SOFTENING
preset:    off
full brake at any speed

softening: 0%
<MPwr    edit    drift>
  
```

|        |   |  |  |  |  |  |  |               |     |
|--------|---|--|--|--|--|--|--|---------------|-----|
| preset | 0 |  |  |  |  |  |  | OFF, S1 to S5 | off |
|--------|---|--|--|--|--|--|--|---------------|-----|

## Brake Softening Expert Mode \*

```

BRAKE SOFTENING
0@0    0@5k    0@10k
0@15k   0@20k   0@25k
0@30k   0@45k   0@60k
0@80k   softening: 0%
<MPwr    edit    drift>
  
```

|                  |   |  |  |  |  |  |  |           |   |
|------------------|---|--|--|--|--|--|--|-----------|---|
| softening at 0   | 0 |  |  |  |  |  |  | - 99 to 0 | 0 |
| softening at 5k  | 0 |  |  |  |  |  |  | - 99 to 0 | 0 |
| softening at 10k | 0 |  |  |  |  |  |  | - 99 to 0 | 0 |
| softening at 15k | 0 |  |  |  |  |  |  | - 99 to 0 | 0 |
| softening at 20k | 0 |  |  |  |  |  |  | - 99 to 0 | 0 |
| softening at 25k | 0 |  |  |  |  |  |  | - 99 to 0 | 0 |
| softening at 30k | 0 |  |  |  |  |  |  | - 99 to 0 | 0 |
| softening at 30k | 0 |  |  |  |  |  |  | - 99 to 0 | 0 |
| softening at 45k | 0 |  |  |  |  |  |  | - 99 to 0 | 0 |
| softening at 60k | 0 |  |  |  |  |  |  | - 99 to 0 | 0 |
| softening at 80k | 0 |  |  |  |  |  |  | - 99 to 0 | 0 |

## Drift

```

DRIFT    OFF
max rpm:  85.0k
rpm drop:  5.0k
power ramp up: soft
rpm:      0.0k
<BSoft    edit    MConf>
  
```

|               |   |  |  |  |  |  |  |                    |          |
|---------------|---|--|--|--|--|--|--|--------------------|----------|
| DRIFT         | 0 |  |  |  |  |  |  | ON /OFF            | OFF      |
| max rpm       | 0 |  |  |  |  |  |  | 10.0k to 100.0k    | 40.0k    |
| rpm drop      | 0 |  |  |  |  |  |  | 0.0k to 10.0k      | 4.0k     |
| power ramp up | 0 |  |  |  |  |  |  | softest to instant | balanced |

## Protection

```

PROTECTION
voltage warning: 3.2 V
voltage cutoff:  3.1 V
motor limit:     120 °C
ESC limit:       120 °C
<mConf    edit    RXcalib>
  
```

|                 |       |   |   |   |   |   |                   |        |
|-----------------|-------|---|---|---|---|---|-------------------|--------|
| voltage warning | 3,2 V | V | V | V | V | V | 3.1 to 4.1 V      | 3.5 V  |
| voltage cutoff  | 3,1 V | V | V | V | V | V | 3.0 to 4.0 V      | 3.4 V  |
| motor limit     | 140 ° | ° | ° | ° | ° | ° | 70 to 150 °C, off | 100 °C |
| ESC limit       | 150 ° | ° | ° | ° | ° | ° | 70 to 150 °C      | 125 °C |

## BEC

```

BEC
voltage: 6.85 V
voltage: 6.83 V
<protect    edit    RXcalib>
  
```

|         |       |   |   |   |   |   |                |        |
|---------|-------|---|---|---|---|---|----------------|--------|
| voltage | 7,0 V | V | V | V | V | V | 6.00 to 7.40 V | 6.00 V |
|---------|-------|---|---|---|---|---|----------------|--------|

\* To switch your ESC to Expert Mode, go to Gui Customization in **Orange Menu** and set UI mode to "expert".

```

GUICUSTOMIZATION
UI mode:      expert
temperature units: °C
splashscreen: on
blinkID:      blinking BLINKY
<config    edit    graphsCust>
  
```