

# R1

# DIGITAL 2 ESC

# MOTOR & ESC SETUP SHEET

**DRIVER:** Brandon Clements**DATE:** 4/23/17**VEHICLE:** Roche Rapide F1**TIRES:****GEAR RATIO:****SPUR & PINION:** 93/35**TRACK LENGTH X WIDTH:****LAYOUT:** TIGHT  OPEN **SURFACE:** Asphalt**TRACTION:** LOW  MED  HIGH **BATTERY:** R1 5000**NUMBER OF CELLS:****MOTOR TYPE & WIND:** R1 V15 21.5**ROTOR SIZE:** Stock**ENDBELL TIMING:** 55**ESC FIRMWARE:** 107

## Settings

|    |                           | 1  | 2  | 3                | 4               | 5     | 6   | 7     | 8    | 9   |
|----|---------------------------|--|--|------------------|-----------------|-------|---|-------|------|-----|
| 1  | Operation Mode            | Forward, Brake <input checked="" type="checkbox"/> | Forward, Brk, Rev                                  | Forward, Reverse |                 |       |   |       |      |     |
| 2  | Reverse Speed             | 25%  | 50%  | 75%              | <del>100%</del> |       |   |       |      |     |
| 3  | Low Volt Cut (Protection) | <del>No</del> <input checked="" type="checkbox"/>  | 2.9V/cell  | 3.0V/cell        | 3.2V/cell       |       | when under custom setting, hold( >) button until the number starts flashing. While the number is flashing, press (<) or(>) to change the value. To save & move to drag brake setting press (*). |       |      |     |
| 4  | Drag Brake                | 0%-100% Default10%                                 |  | 14%              |                 |       |   |       |      |     |
| 5  | Intial Brake              | 0%-50%   | Default (=Drag Brake)                              |                  |                 | 10%   |   |       |      |     |
| 6  | Full Brake                | 75%  | 80%  | 85%              | 90%             | 95%   | <del>100%</del>   |       |      |     |
| 7  | Brake Frequency           | 1khz   | <del>2khz</del>                                    | 4khz             | 8khz            | 16khz | 32khz   | 64khz |      |     |
| 8  | Power Level               | (1-12)   | 12   |                  |                 |       |   |       |      |     |
| 9  | Drive Frequency           | 2khz   | <del>4khz</del>                                    | 8khz             | 16khz           | 32khz | 64khz   |       |      |     |
| 10 | Neutral Dead Band         | 0%   | 3%   | <del>6%</del>    | 9%              | 12%   |   |       |      |     |
| 11 | Temp Cut Set              | <input checked="" type="checkbox"/>                | 175F/80c   | 194F/90c         |                 |       |   |       |      |     |
| 12 | Boost Timing              | 0deg-60deg   |  | 0                |                 |       |   |       |      |     |
| 13 | Boost RPM                 | 500-15,000   | Default-14,000                                     |                  |                 |       |   |       |      |     |
| 14 | Boost (ACC)               | 50-700   | Default 650  |                  |                 |       |   |       |      |     |
| 15 | Turbo Timing              | 0-60   | 0  |                  |                 |       |   |       |      |     |
| 16 | Turbo Slope               | (3-24)   |  |                  |                 |       |   |       |      |     |
| 17 | Turbo Delay               | Off  | 0.05   | 0.1              | 0.15            | 0.2   | 0.25  | 0.3   | 0.35 | 0.4 |
| 18 | Rotation Mode             | <del>Normal</del>                                  | Reverse  |                  |                 |       |   |       |      |     |
| 19 | BEC Voltage               | 6V   | 7.2V   |                  |                 |       |   |       |      |     |
| 20 | Default Reset             | No   | if (>) is pressed, all settings will go to default |                  |                 |       |   |       |      |     |
| 21 | Max Temperation           | data logging feature                               |  |                  |                 |       |   |       |      |     |
| 22 | Max RPM                   | data logging feature                               |  |                  |                 |       |   |       |      |     |