# Schumacher Mi8

Setup: HGT MB models - Volante 28 · Tim T (Willspeed) · Jul 2, 2023

so dialed
Open/save in RC Setup App →

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| EVENT | |
|---|---|
| Event | Club night |
| Class | 17.5t |

| TRACK | |
|---|---|
| Track | MB raceway |
| Type | Indoor carpet |
| Grip / moisture | High / Dry |
| Surface / layout | Smooth / Medium |

## FRONT SUSPENSION

| | |
|---|---|
| **ACKERMANN** | |
| Inner steering link shims | 1 mm |
| Outer steering link location | C - Kit steering arm |
| Anti-roll bar | 1.4 mm |
| Bump steer: outer steering link shims | 1 mm |
| Camber | -2 degrees |
| Caster | 4 degrees |
| Differential/spool height | Mark at half way between facing rear and bottom |
| Droop | 23.4 mm |
| FF arm mount shims | 0 mm |
| FR arm mount shims | 0 mm |
| Ride height | 5.2 mm |
| Shocks: tower mounting hole | 4 - Outside |
| Steering blocks | Kit |
| Steering travel - in/out | 24.5 / 17.5 degrees |
| Toe | -1 degrees |
| **TRACK** | |
| Axle shims | 0 mm |
| Wheel hexes | Medium |
| Upper link mounts | 0 dot |
| Upper link type | Links |
| **UPPER LINKS** | |
| Inner stud shims | 3 mm |
| Outer stud shims | 3 mm |

**NOTES** Body stops replaced with 10mm instead on 8mm screws. 1mm spacer removed from below front hub

## ELECTRONICS

| | |
|---|---|
| Battery brand | Turnigy |
| Battery C rating | 140 |
| Battery capacity | 5500 mAh |
| ESC brand | Hobbywing |
| ESC model | Juststock xr10 |
| ESC settings | 0% drag brake, punch 7, 85% brake on transmitter |
| Motor brand | Surpass |
| Motor model | Rocket V5R |
| Motor timing | 48 degrees |
| Radio brand | Sanwa/Airtronics |

**NOTES** 73% steering dual rate, 40mm motor fan

## REAR SUSPENSION

| | |
|---|---|
| Anti-roll bar | 1.3 mm |
| Camber | -2 degrees |
| Caster | 4 degrees |
| Differential height | Mark facing front |
| Droop | 21.4 mm |
| Hubs | Composite |
| RF arm mount shims | 0 mm |
| Ride height | 5.4 mm |
| RR arm mount shims | 0 mm |
| Shocks: tower mounting hole | 5 - Outside |
| Toe - active | 4 degrees |
| Toe - active: shims | 0 mm |
| Toe - static | 3 degrees |
| **TRACK** | |
| Axle shims | 1 mm |
| Wheel hexes | Medium |
| Upper link mounts | 0 dot |
| Upper link type | Links |
| **UPPER LINKS** | |
| Inner stud shims | 2 mm |
| Outer stud shims | 3 mm |

**NOTES** 1mm spacer removed from below hub

## BODY & CHASSIS

| | |
|---|---|
| Body | Twister |
| Body height - front | 6 mm |
| Body stopper height | 6 mm |
| Bumper | Kit |
| Bumper brace | Kit |
| **FLEX** | |
| Chassis | Carbon HGT |
| Chassis brace | None |
| Motor mount screws | 1 - Front, 2, 3, 4 |
| Upper deck | 2-piece 2mm HGT |
| Upper deck dowel | Position A |
| Rear wing | Pre-cut |
| Rear wing height | 114 |
| Weight: total | 1290 g |

## SHOCKS

| | FRONT | REAR |
|---|---|---|
| Cap type | Vented | Vented |
| External limiters | 0 mm | 0 mm |
| Oil weight | 300 cst | 300 cst |
| Pistons | 4 x 1mm | 4 x 1mm |
| Springs | 2.9 N/mm Purple | 2.9 N/mm Purple |
| Stroke | 9 mm | 9 mm |

Shock oil brand: CORE

**NOTES** Alloy spring retainer for 0.5mm more shock travel

## DIFFERENTIALS

| | FRONT | REAR |
|---|---|---|
| Diff type | Spool | Gear |
| Diff fluid | – | 12,000 cst |

Rear diff fluid mass: 1.6 g

## DRIVETRAIN

| | |
|---|---|
| Drive ratio - final | 4.6 |
| Drive ratio - internal | 1.818 |
| Gear pitch | 48 |
| Pinion | 32 teeth |
| Spur | 81 teeth |

## TIRES

| | FRONT | REAR |
|---|---|---|
| Tire additive | MR32 v4 carpet | MR32 v4 carpet |
| Tire additive area | In, Mid-in | In, Mid-in, Mid-out, Out |
| Tire brand / type | Volante 28 | Volante 28 |

**NOTES** Only additive on full front tires during warm up. From then onwards just the inside front and full rear. Super glue front sidewalls.

## ESC SETTINGS

Brake: Drag: 0 %

**NOTES** Blinky