

# FRX1



## GO FURTHER, GO FASTER

With its 15kW peak power brushless motor, lightweight mid-drive frame and hardcore off-road suspension, the FRX1 is the perfect fusion of MTB and dirt bike.



**Electric drive**



**Twist throttle**



**15kW max power**



**All-terrain performance**



**Super pedal assist**



**Light weight, strong build**

The UBCO FRX1 free ride bike is built for extreme off-road riding, whether you're shredding the trail, climbing uphill, or taking on the local tracks.

The lightweight frame is robust and durable, while maintaining a clean and minimal look. It's home to a mid-drive motor which has a low center of gravity and minimizes the wheel sprung mass, giving the FRX1 excellent off-road performance at any speed. A permanent-magnet brushless motor provides 15kW of power, allowing you to reach top speeds of 80kph.

The FRX1 runs on a Lithium-ion 2.2 kWh battery pack, delivering a max range of 100 kilometers. The battery can be recharged in just 2.5 hours using a standard

socket. Need to go further? The FRX1 integrates fully adjustable regenerative braking to generate up to 10% of the battery capacity, meaning nothing stands in the way of your ride.

Integrating the internal transmission system with 9 pedaling gears, the FRX1 is designed to generate maximum power with a relatively low pedal rate, protecting the battery and prolonging your ride.

Equipped with both super-pedal-assist and twist throttle riding modes, 203mm of front travel, and hard hitting hydraulic downhill disc brakes, the FRX1 is like nothing you've ever experienced before, providing incredible control and power, no matter the conditions.



**100km**  
max range



**2.5hrs**  
charge time



**52kg**  
weight

**80kph**  
top speed

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The FRX1 comes with both super-pedal-assist and twist throttle riding modes, offering a unique riding experience.

Throttle control mode stands out with instant and smooth acceleration, and combined with adjustable regenerative braking, this mode provides the rider with incredible control. This mode is most suitable for riding on high speed tracks or more technical segments.

Pedal assist mode uses the electric motor to deliver additional power when you push the pedal down, delivering speeds of up to 80kph. Speed aside, this mode is ideal for riders wanting to be more involved in the ride and works best for trail riding.

## Technical Specifications

### General

Length\*: 2030mm | 80"  
Height\*: 1120mm | 44"  
Width\*: 790mm | 31"  
Curb weight\*: 52kg | 115lbs

### Performance

Max speed: 80km/h | 50mph  
Max range: up to 100km | 62mi  
Max torque: 280Nm

### Drivetrain

15 kW max power  
Liquid-cooled brushless motor  
Twist throttle and pedal assist modes

### Battery

2.2 kWh Li-ion cells  
Full charge time: 2.5 hours  
Up to 10% regeneration with braking

### Frame and body

Mid-drive design for offroad performance  
6082 T6 alluminium alloy frame  
50/50 weight ratio  
Low center of gravity

### Suspension

Adjustable compression and rebound  
203 mm front travel  
200 mm rear travel

### Brakes

Adjustable regenerative braking  
Rear 2 pot hydraulic brakes  
Front 4 pot hydraulic brakes  
203mm rotor diameter

### Wheels

26" lightweight, high strength alloy front rim  
24" lightweight, high strength alloy rear rim

### Seat

Adjustable bicycle seat

### Gearing

9 speed gearbox for pedaling

*\*Height / Length / Weight measures are approximate. All product specifications are subject to change without notice to improve performance, function and/or design.*

*\*\*Local policies and laws will affect where the UBCO FRX1 can be ridden, please check with your local authorities first.*



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