



Eagle Powertrain

PRODUCT INTRODUCTION

EMBARGO: SEPTEMBER 28, 2023 | 9AM CHICAGO



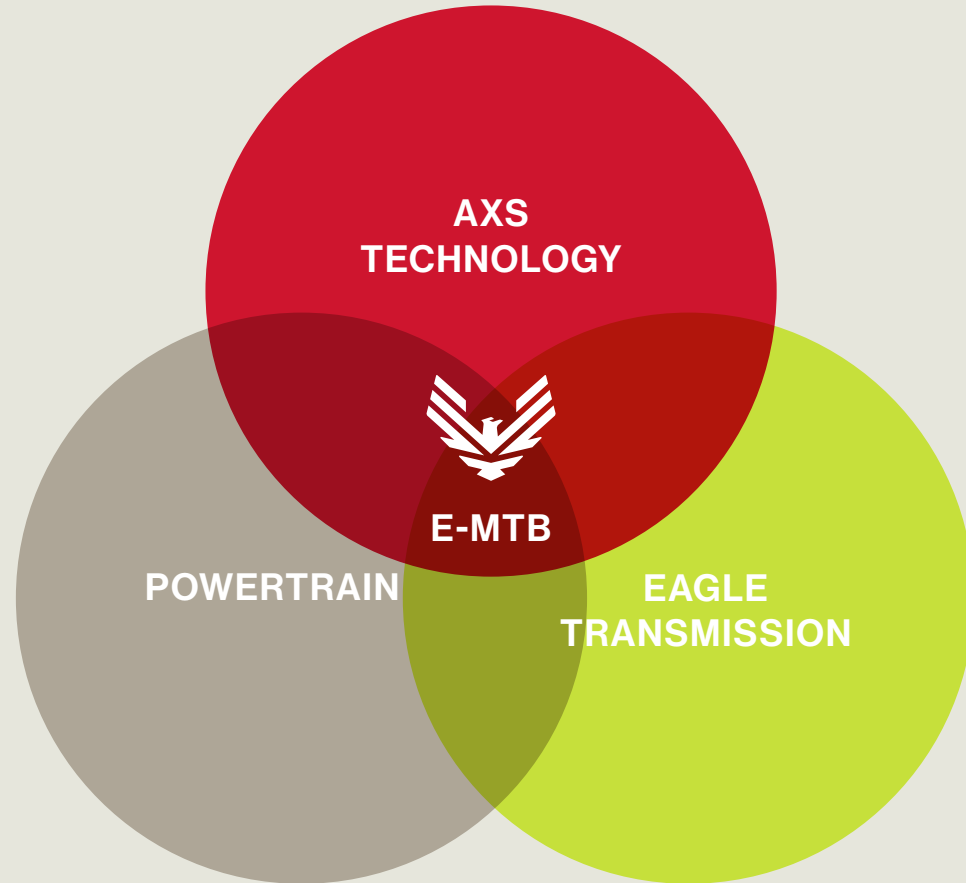


Removing the front derailleur.
Removing the wires.
Removing the derailleur hanger.
Removing barriers.

Now, with Eagle Powertrain,
we've removed the compromises.

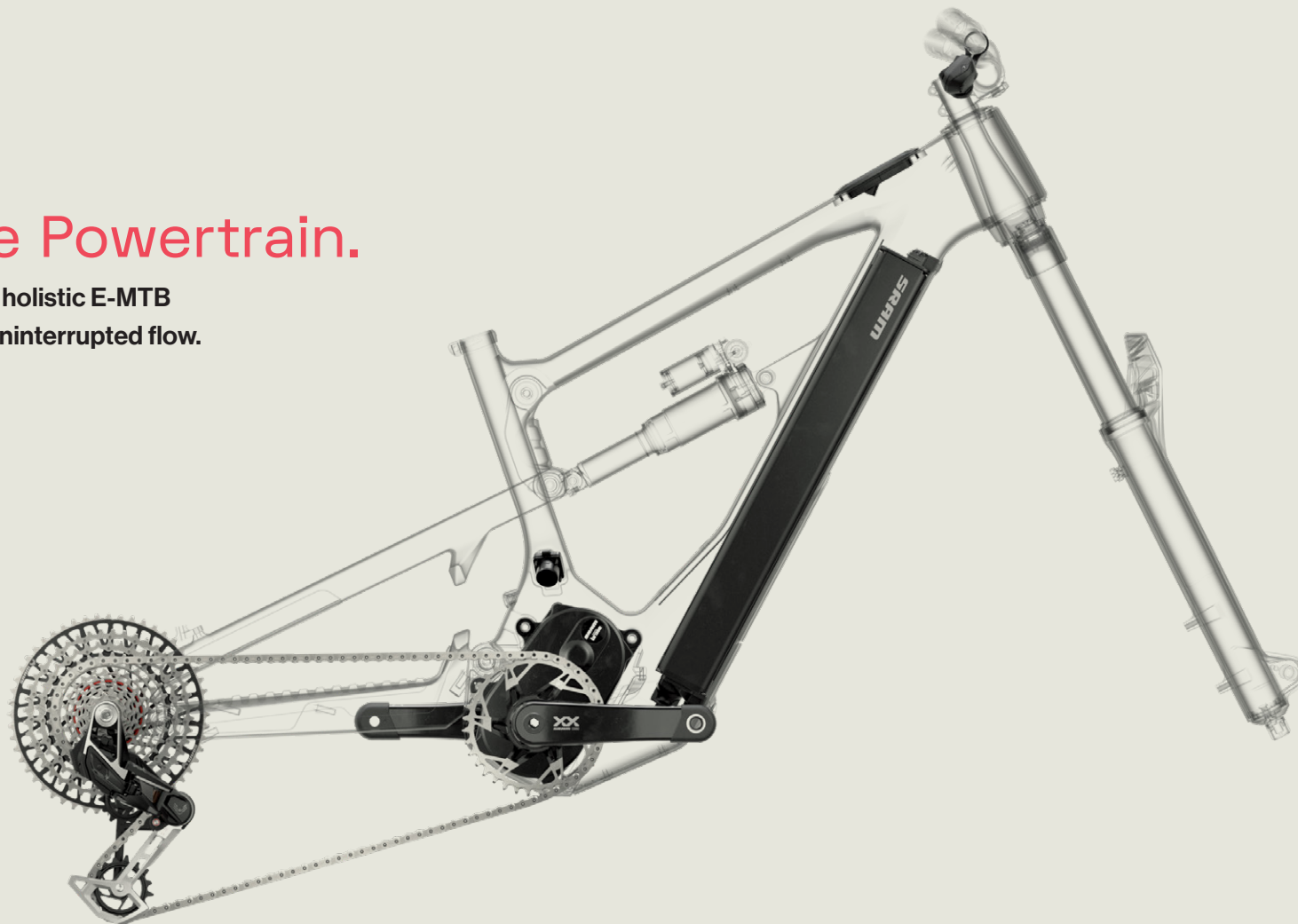


Merging our key technologies to one system.



Go for Eagle Powertrain.

The complete, seamless and holistic E-MTB system designed to turn on uninterrupted flow.



SRAM.

Go for the better ride.

Eagle Powertrain is inspired innovation, radical simplicity, unmatched integration with Eagle Transmission, clean and simple rider control, and AXS enabled personalization.

Go for power applied properly.

Go for fun.

Go for the most natural ride experience ever.

SRAM.



Go for unbelievable ease.



SRAM.

Full Power. Fully in your control.

The Eagle Powertrain power tune applies natural feeling, traction generating, technical move completing, controllable power to the rear wheel. Developed and proven with BlackBox athletes and profiled to work in concert with how real riders, like you, actually pedal.

Only possible with Eagle.

With Eagle Transmission the harder you pedal, the better it shifts. Nowhere is this more apparent than when paired with Eagle Powertrain.

An elegant system that works together.

Total. Pod. Control.

The versatility of AXS pod controllers lets you assign all powertrain rider commands – without the need to compromise the bar with the clutter of additional remotes and bar mounted displays. What's left? The ultra-clean and intelligent wireless cockpit, indicative of any Eagle AXS system.

Better Batteries. Better everything.

The unique Eagle Powertrain battery streamlines the interface between battery and drive unit. Delivering even more power in a smaller area and super elegant form factor for more pleasing frame silhouettes.

SRAM.

Go for seamless integration.



Go for personalized control.

A fully integrated AXS ecosystem allows new levels of personalization for Eagle Powertrain.

Push your buttons.

Layout your cockpit exactly as you desire – AXS makes it possible to assign Pod buttons.

Spin to win or crank it out? Both.

Fine tune the feel of Eagle Powertrain Auto Shift features for terrain or how you're feeling.

Power, in the palm of your hand.

The Eagle Powertrain AXS App makes the off-bike experience as rich as the on-bike experience.



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Go for the win.

Eagle Powertrain has already won the toughest race series out there: The UCI EWS-E. Cloaked by the Blackbox wing, but exactly like the Eagle Powertrain system available today.



Born from Blackbox.

Riding with Eagle Powertrain, Yannick Pontal (BlackBox Test Pilot Program) became the reigning champion in the 2022 EWS-E series. His feedback partnership with our engineers and development team allowed SRAM to build a race-winning system at home on the circuit and on your local trails.

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“Our focus is always on the rider first. The goal of the system was to provide the rider with a complete, wireless, integrated E-MTB system tuned specifically for performance mountain biking. We simplified the ride allowing the rider to focus on the trail.”

SRAM.

Michael Hemme
E-MTB Category Manager





Controls

CONTROLS



AXS BRIDGE DISPLAY INTUITIVE RIDER EXPERIENCE

The Eagle Powertrain AXS Bridge Display is the sophisticated nerve center of the entire system, giving you a control unit that greatly simplifies the experience.

Think of it as an onboard extension of the AXS App, providing everything in a brilliantly illuminated, full color, waterproof display, protected under Gorilla Glass.

Power (short press): Service Mode / motor support off

Power (long press): On and Off

AXS (short press): Switch between Range and Rally modes

AXS (long press): Open and close pairing session

CONTROLS



PODS

FAMILIAR CONTACT POINTS

Toggle between Range and Rally modes. Control your Rockshox Reverb AXS dropper post. Press and hold to multi shift Eagle Transmission. AXS control, encompasses everything.

LONG PRESS (PRESS AND HOLD)

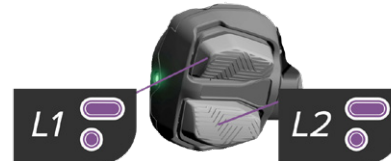
- R1: Auto Shift On/Off**
- R2: Auto Shift adjustment**

- L1: Hold for Push Mode**
- L2: AXS dropper actuation**

SHORT PRESS (PRESS AND RELEASE)

- R1: Shift rear derailleur outboard**
- R2: Shift rear derailleur inboard**

- L1: Switch between Range and Rally modes**
- L2: AXS dropper actuation**



“Our Auto Shift algorithm is like a bike’s sixth sense, deciding when to shift so riders can stay laser-focused on their ride. It’s not just smart tech, it’s the ultimate riding companion.”

Dominique Fuss and Victor Freyssinet
Electrical and Software Engineers



Go for feeling super. And human.

Auto Shift. When you want.

What could feel more natural than not having to think about shifting while you ride? Eagle Powertrain Auto Shift is a feat that senses and translates rider input to deliver an incredibly intuitive experience. Planning an attack or simply want to override the system? Auto Shift seamlessly accepts rider commands, to be ready for your next move.

Shift while coasting.

Eagle Powertrain Coast Shift allows the chainring to move freely from the cranks, letting you shift while coasting. Why? Opening the possibilities of shift anywhere performance (whether pedaling or not) puts you in total control, even when the terrain ahead isn't.



Two ways to get the most.

Range and Rally

Reducing complexity with two support modes that can be easily adjusted and customized for individual desire. Where others give you unnecessary power modes and confusing names, Eagle Powertrain uses just two.



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Range Mode

With the touch of a Pod button, toggle to Range Mode for longer routes, easier terrain or when conserving power is a good move.

Rally Mode

Toggle to Rally Mode for shorter rides or whenever you want access to the capabilities of power. Keep it simple.

“It was an incredible opportunity to develop a fully holistic system. All components—from the display to the derailleur—forming one perfectly synced unit. Our wireless AXS technology enabled us to create features like Auto Shift, Coast Shift and the limitless options of Eagle Transmission provide shifting under full load.”

SRAM.

Sebastian Dueweling
Chief System Engineer



SYSTEM OVERVIEW

AXS Bridge Display
 Pod Controllers
 Eagle Transmission
 SRAM Drive Unit
 Speed Magnet and Ring
 Battery
 RangeExtender (optional)

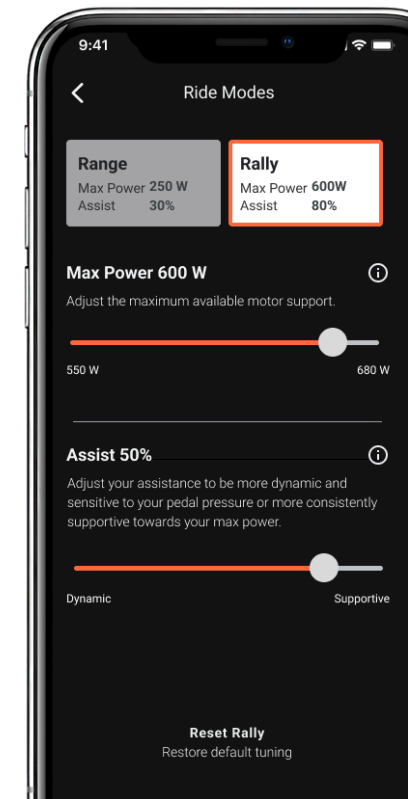
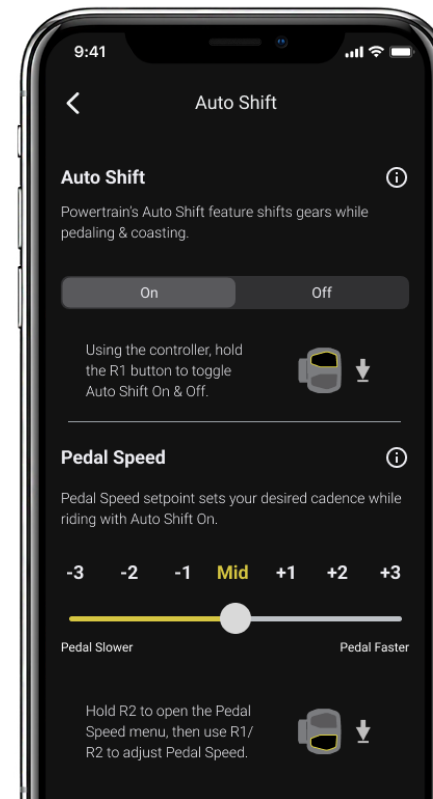
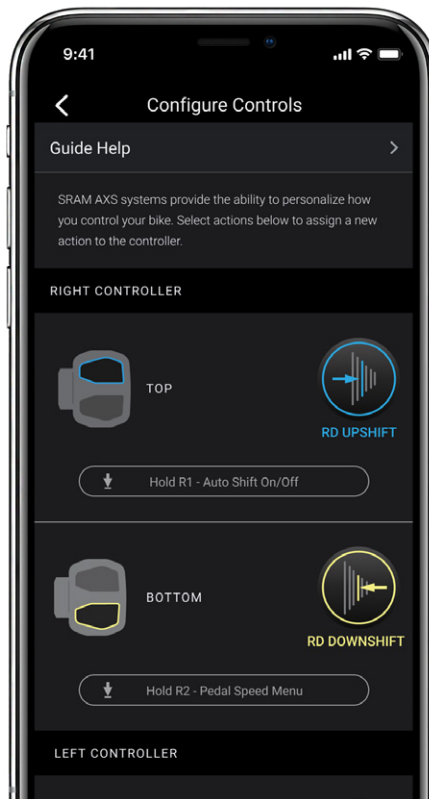
AXS App
 Head Unit
 Rockshox Reverb AXS

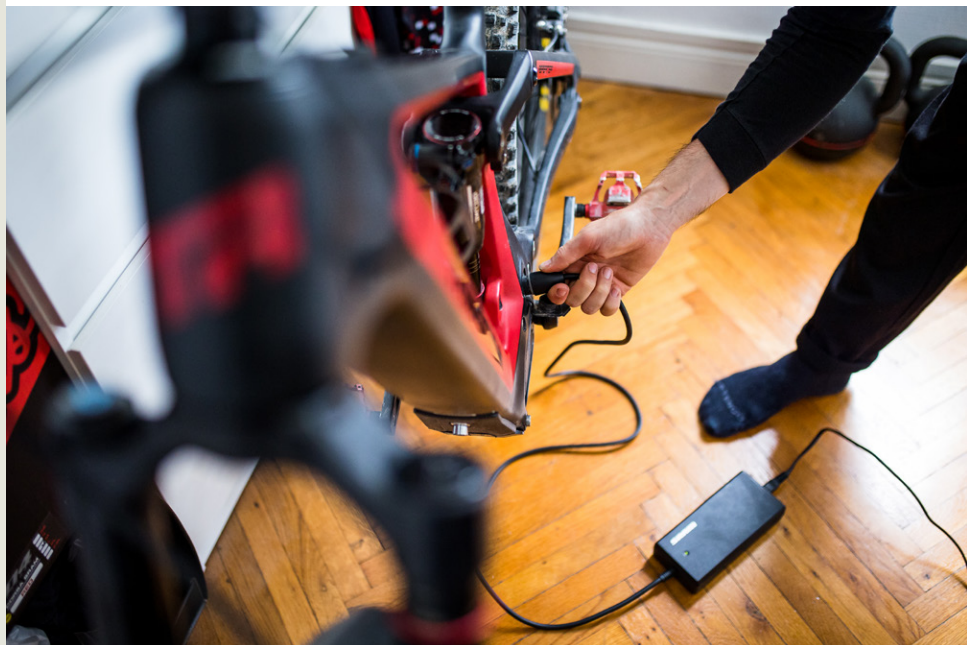




Everything in control with the AXS App.

The Eagle Powertrain AXS App makes the off-bike experience as rich as the on bike experience. From customizing drive unit power output to simply checking battery life while off the bike, the AXS App lets you view and fine-tune a host of features, right from your phone.





COMPACT AND FULL SIZE BATTERY

Powering the Eagle Powertrain. Utilizing a unique C-shaped clip-in or optional slide-in interface, the Eagle Powertrain Battery helps to support partner OE manufacturers in their quest to keep the weight low and centered. It comes in at a 630Wh compact or 720Wh full size and is easily removable with a single allen key.

630WH COMPACT SIZE

Sportive, low center of gravity

3KG

Cell 21700

Tilt-in mount

720WH FULL SIZE

Maximum range

4,1KG

Cell 21700

Slide-in mount

Charging times with the standard

4A charger from 0 to 100%

720Wh battery = ~5 hours

630Wh battery = ~4.5 hours

SRAM DRIVE UNIT

Powered by BROSE

So much more than merely a motor, the Eagle Powertrain Drive Unit has been engineered with a reimagined power delivery tune that replicates a far more natural pedaling experience. It's a feel only made possible by our holistic approach to the entire system, where we called upon proven motor hardware and paired it with Eagle Transmission. It's an approach that took learnings from short-comings that plague other motors, such as common power losses from super-hard riding, and gave us the opportunity to go further by utilizing things such as heat-resistant materials that provide superior thermal performance and enable longer power delivery.

— **SRAM unique software tune**

Up to 90Nm of torque

680W peak power

**Best in class derating
(heat vs. power loss)**

Natural ride feeling

Quiet



SRAM.



SRAM Eagle Powertrain will be available from the following partners with more taking off soon.



Go for the ride.

PROPAIN

NUKEPROOF

TRANSITION
BICYCLE COMPANY

G
GASGAS

AFTERMARKET BATTERY AND RANGE EXTENDER

Eagle Powertrain is a complete system specific to the bike manufacturer. Additional or replacement SRAM batteries, range extenders, chargers, and accessories are available in the aftermarket.

PART #	DESCRIPTION
00.3018.354.001	Battery 720Wh (Eagle Transmission Powertrain)
00.3018.355.000	Battery 630Wh (Eagle Transmission Powertrain)
00.3018.356.000	EP Battery Charger 4A EU Eagle Transmission Powertrain
00.3018.356.004	EP EU Plug for Battery Charger Eagle Transmission Powertrain
00.3018.356.005	EP UK Plug for Battery Charger Eagle Transmission Powertrain
00.3018.356.006	EP US Plug for Battery Charger Eagle Transmission Powertrain
00.3018.356.007	EP AUS/NZ Plug for Battery Charger Eagle Transmission Powertrain
00.3018.356.008	EP Split Y Cable Charger Eagle Transmission Powertrain 1000mm (for Charging Battery and Range Extender simultaneously)
00.3018.373.000	Range Extender 250Wh including Holder System (Eagle Transmission Powertrain)*
00.3018.373.001	Range Extender 250Wh (Eagle Transmission Powertrain)*

*Range Extender available November 2023

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PC-1170[™], PG-1130[™], PG-1050[™], PG-1170[™], Piggyback[™], Poploc[™], Power Balance[™], Power Bulge[™], PowerChain[™], PowerDomeX[™], Powered by SRAM[™], PowerGlide[™], PowerLink[™], Power Pack[™], Power Spline[™], Predictive Steering[™], Pressfit[™], Pressfit 30[™], Prime[™], Qalvin[™], R2C[™], Rapid Recovery[™], Recon[™], Revelation[™], Riken[™], Roller Bearing Clutch[™], Rolling Thunder[™], RS-1[™], Rush[™] Damper, RXS[™], Sag Gradients[™], Sawtooth[™], SCT - Smart Coasterbrake Technology, Seeker[™], Sektor[™], SHIFT[™], ShiftGuide[™], Shorty[™], Showstopper[™], SIDLuxe[™], Side Swap[™], Signal Gear Technology[™], SL[™], SL-70[™], SL-70 Aero[™], SL-70 Ergo[™], SL-70 XPLR[™], SL-80[™], SL 80 RACE[™], SL-88[™], SLC2[™], SL SPEED[™], SL Sprint[™], Smart Connect[™], Solo Air[™], Solo Spoke[™], Speciale[™], SpeedBall[™], Speed Metal[™], SRAM APEX 1[™], SRAM Force 1[™], SRAM RIVAL 1[™], S-series[™], Stealth-a-majig[™], StealthRing[™], Super-9[™], Supercork[™], Super Deluxe[™], Super Deluxe Coil[™], SwingLink[™], Tangente[™], TaperCore[™], ThruShaft[™], Timing Port Closure[™], Tool-free Reach Adjust[™], Top Loading Pads[™], Torque Caps[™], TRX[™], TSE Technology[™], Turnkey[™], TwistLoc[™], VCLC[™], Velocio[™], Vent Valve Technology[™], Vivid Air[™], Vuka Aero[™], Vuka Alumina[™], Vuka Bull[™], Vuka Clip[™], Vuka Fit[™], Vuka Shift[™] AXS[®], Wide Angle[™], WiFLi[™], X1[™], X3[™], X4[™], X5[™], X7[™], X9[™], X-Actuation[™], XC[™], X-Dome[™], XD[™], XDR[™], XG-1150[™], XG-1175[™], XG-1180[™], XG-1190[™], X-Glide[™], X-GlideR[™], X-Horizon[™], XLoc Sprint[™], XPLR[™], XPRESSO[™], XPRO[™], X-RANGE[™], XX[™], Zero Loss[™], ZM1 MOTO[™], ZM2[™], ZR1[™]

