

**RIDE LIFE.
RIDE GIANT.**



Photo: Cameron Baird



XC AMPLIFIED.

Introducing the all-new Anthem range



ANTHEM ADVANCED

The legend returns to conquer today's aggressive XC terrain. Featuring an updated Maestro suspension platform with a new trunnion mount and 110mm of smooth, active rear travel—along with refined geometry that's agile, stable and tailor-made for 27.5 wheels—this XC dream machine helps you stay at the front of the pack. For XC riders seeking the most efficient Maestro-equipped bike ever produced by Giant, this is your fast track to the finish line and beyond.

KEY PERFORMANCE FACTORS

SUPERIOR SUSPENSION: Updated Maestro suspension setup, including new trunnion mount and Advanced Forged Composite Technology upper rocker arm, produces a lower leverage ratio for increased pedaling and braking efficiency, plus a lower center of gravity and shorter chainstays for improved climbing and agility.

OPTIMIZED RIDER POSITIONING: A longer toptube (10mm longer than previous generation) provides a more aggressive, "long and low" rider position for ultimate XC efficiency and control.

QUICK AND CONFIDENT: Shorter rear end (5mm shorter rear/center length compared to previous generation) improves maneuverability, agility and acceleration. And a slacker headtube angle (by .5 degree) elevates stability and control on fast, technical descents.

FEATURES

- 27.5-inch wheel specific geometry optimizes control, acceleration and stability.
- New trunnion mount shock improves suspension performance.
- Internal dropper cable routing for clean performance and looks.
- Internal cable routing for sleek, uncluttered performance and looks.
- Integrated downtube and chainstay protection prevents damage from trail debris.
- Boost 15x110 [F], 12X148 [R] hub spacing improves stiffness, trail handling and tire clearance.

TECHNOLOGIES

- Advanced-grade composite mainframe for ideal blend of weight and stiffness.
- New Advanced Forged Composite Technology upper rocker arm for increased strength and stiffness, and lighter weight.
- Maestro suspension technology delivers the most active, efficient and independent suspension.
- MegaDrive downtube connects the massive headtube and bottom bracket area for unmatched frame stiffness.
- OverDrive steerer tube for precise front-end steering stiffness.
- PowerCore bottom bracket for unparalleled pedaling efficiency.



GEOMETRY

Size	Head Angle	Seat Angle*	Toptube**	Headtube	Chainstay	Wheelbase	Standover Height***	Stack	Reach	BB Drop
	Degrees	Degrees	cm	cm	cm	cm	cm	cm	cm	cm
S	68.0	73.5	58.5	9.5	42.8	110.9	70.7	56.9	41.6	2.5
M	68.0	73.5	60.5	10.0	42.8	112.9	73.1	57.4	43.5	2.5
L	68.0	73.5	62.5	11.0	42.8	115.0	76.9	58.3	45.2	2.5
XL	68.0	73.5	64.5	12.0	42.8	117.1	80.1	59.2	46.9	2.5

*Seat angle is actual

**Toptube is measured from the center of the headtube horizontally back to the top of the effective extension of the seat tube

***Standover height is based on the largest size tire that will fit the bike, not necessarily the included size tire



ANTHEM ADVANCED

Featuring an all-new frame design with 110mm of rear suspension travel and 120mm up front, plus the outstanding all-around performance of 27.5-inch wheels, this state-of-the-art XC bike has been updated to offer lighter weight, better efficiency and improved control. The lightweight composite frame features new “long and low” geometry and an updated Maestro suspension system including the new trunnion mount and Advanced Forged Composite upper rocker arm. Here are the core technologies that help the Anthem Advanced give you a competitive edge on XC terrain.



TECHNOLOGY

1 ADVANCED COMPOSITE MAINFRAME

High-performance grade raw carbon fiber and custom resin is used to produce this high-quality frame in Giant's own composite factory. Handcrafted monocoque construction makes it extremely lightweight, stiff and compliant.

2 27.5-SPECIFIC GEOMETRY

Updated “long and low” XC frame geometry is tailored for 27.5-inch wheels to optimize control, acceleration and stability.

3 BOOST TECHNOLOGY

Wider hub spacing (110mm front/148mm rear) results in stiffer wheels for added control plus more tire clearance and an improved chainline for optimal drivetrain performance.

4 ADVANCED FORGED COMPOSITE UPPER ROCKER ARM

A state-of-the-art, high-pressure molding process is used to produce complex-shaped carbon-fiber components that are lighter, stiffer and stronger than similar aluminum components.

5 MAESTRO SUSPENSION

Uses four strategically positioned pivot points and two linkages that work together to create a single floating pivot point for the most active, efficient suspension system.

6 TRUNNION MOUNT

New shock mount produces a lower leverage ratio for increased pedaling and braking efficiency, plus a lower center of gravity and shorter chainstays for improved handling, climbing and agility.

7 POWERCORE

A massively oversized bottom-bracket/chainstay area features a fully integrated, 92-millimeter wide bottom-bracket design. Asymmetric chainstays provide additional stiffness on the driveside and stability on the non-driveside.

8 MEGADRIVE

A massive rectangular downtube and oversized toptube work in unison to provide superior front end lateral and torsional steering precision. The precisely engineered, rectangular shaped downtube yields unprecedented steering and pedaling stiffness.

9 OVERDRIVE

Designed to provide precise front-end steering performance, the system's oversized headset bearings (1 1/2" lower and 1 1/8" upper) and tapered steerer tube work in conjunction to provide optimal steering stiffness.

10 GIANT WHEELSYSTEM

Engineered with proprietary Dynamic Balanced Lacing technology, Giant's all-new XCR Composite WheelSystem delivers superior efficiency, pinpoint control and engineered durability.



ANTHEM ADVANCED SX

For added control over aggressive XC terrain, this revamped composite trail slayer crushes steep climbs and rails rugged descents. All new for 2017, it features more aggressive frame geometry, an updated Maestro suspension platform, and Boost hub spacing for stiffer wheels and added tire clearance. For performance-minded XC and trail riders who like to mix things up on technical trails, this is the bike that lets you do it all.

KEY PERFORMANCE FACTORS

SUPERIOR SUSPENSION: Updated Maestro suspension setup, including new trunnion mount and Advanced Forged Composite Technology upper rocker arm, produces a lower leverage ratio for increased pedaling and braking efficiency, plus a lower center of gravity and shorter chainstays for improved climbing and agility.

OPTIMIZED RIDER POSITIONING: A longer toptube (10mm longer than previous generation) provides a more aggressive, “long and low” rider position for ultimate XC efficiency and control.

QUICK AND CONFIDENT: Shorter rear end (5mm shorter rear/center length compared to previous generation) improves maneuverability, agility and acceleration. And a slacker headtube angle (by .5 degree) elevates stability and control on fast, technical descents.

FEATURES

- 27.5-inch wheel specific geometry optimizes control, acceleration and stability.
- New trunnion mount shock improves suspension performance.
- Internal dropper cable routing for clean performance and looks.
- Internal cable routing for sleek, uncluttered performance and looks.
- Integrated downtube and chainstay protection prevents damage from trail debris.
- Boost 15x110 [F], 12X148 [R] hub spacing improves stiffness, trail handling and tire clearance.

TECHNOLOGIES

- Advanced-grade composite mainframe for ideal blend of weight and stiffness.
- New Advanced Forged Composite Technology upper rocker arm for increased strength and stiffness, and lighter weight.
- Maestro suspension technology delivers the most active, efficient and independent rear suspension.
- MegaDrive downtube connects the massive headtube and bottom bracket area for unmatched frame stiffness.
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GEOMETRY

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L	67.5	73.0	62.6	11.0	42.8	115.4	77.3	58.7	45.2	2.2

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ANTHEM ADVANCED SX

The Anthem Advanced SX features updated Maestro rear suspension with 110mm of rear travel and the all-new trunnion mount shock with an Advanced Forged composite rocker arm for added strength. A more aggressive fork with 130mm of travel makes it ideal for rougher trails, and the frame is engineered for the superior all-around performance of 27.5 wheels. Here are the key technologies that make Anthem Advanced SX the perfect bike for floating up steep climbs and bombing down technical terrain.



TECHNOLOGY

1 ADVANCED COMPOSITE MAINFRAME

High-performance grade raw carbon fiber and custom resin is used to produce this high-quality frame in Giant's own composite factory. Handcrafted monocoque construction makes it extremely lightweight, stiff and compliant.

2 27.5-SPECIFIC GEOMETRY

Updated "long and low" XC frame geometry is tailored for 27.5-inch wheels to optimize control, acceleration and stability.

3 BOOST TECHNOLOGY

Wider hub spacing (110mm front/148mm rear) results in stiffer wheels for added control plus more tire clearance and an improved chainline for optimal drivetrain performance.

4 ADVANCED FORGED COMPOSITE UPPER ROCKER ARM

A state-of-the-art, high-pressure molding process is used to produce complex-shaped carbon-fiber components that are lighter, stiffer and stronger than similar aluminum components.

5 MAESTRO SUSPENSION

Uses four strategically positioned pivot points and two linkages that work together to create a single floating pivot point for the most active, efficient suspension system.

6 TRUNNION MOUNT

New shock mount produces a lower leverage ratio for increased pedaling and braking efficiency, plus a lower center of gravity and shorter chainstays for improved handling, climbing and agility.

7 POWERCORE

A massively oversized bottom-bracket/chainstay area features a fully integrated, 92-millimeter wide bottom-bracket design. Asymmetric chainstays provide additional stiffness on the driveside and stability on the non-driveside.

8 MEGADRIVE

A massive rectangular downtube and oversized toptube work in unison to provide superior front end lateral and torsional steering precision. The precisely engineered, rectangular shaped downtube yields unprecedented steering and pedaling stiffness.

9 OVERDRIVE

Designed to provide precise front-end steering performance, the system's oversized headset bearings (1 1/2" lower and 1 1/8" upper) and tapered steerer tube work in conjunction to provide optimal steering stiffness.



ANTHEM

From steep climbs to technical descents, this updated, ALUXX SL aluminum XC ninja lets you do it all and do it faster. The quick and agile Anthem is updated this year with new frame geometry, Boost hub technology, and a trunnion-mount Maestro rear suspension system that delivers 110mm of smooth, active rear travel. It all adds up to an even quicker and more stable Anthem, giving you the confidence you need to go faster on XC terrain.

KEY PERFORMANCE FACTORS

SUPERIOR SUSPENSION: Updated Maestro suspension setup, including new trunnion mount and Advanced Forged Composite Technology upper rocker arm, produces a lower leverage ratio for increased pedaling and braking efficiency, plus a lower center of gravity and shorter chainstays for improved climbing and agility.

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FEATURES

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- New trunnion mount shock improves suspension performance.
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- Internal cable routing for sleek, uncluttered performance and looks.
- Integrated downtube and chainstay protection prevents damage from trail debris.
- Boost 15x110 [F], 12X148 [R] hub spacing improves stiffness, trail handling and tire clearance.

TECHNOLOGIES

- ALUXX SL-grade aluminum frame provides lightweight, stiff and efficient performance.
- New Advanced Forged Composite Technology upper rocker arm for increased strength and stiffness, and lighter weight.
- Maestro suspension technology delivers the most active, efficient and independent rear suspension.
- MegaDrive downtube connects the massive headtube and bottom bracket area for unmatched frame stiffness.
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GEOMETRY

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ANTHEM

With its all-new lightweight ALUXX SL aluminum frameset, engineered specifically for 27.5 wheels, this agile XC machine delivers confidence and control even on rugged terrain. A new trunnion-mount Maestro rear suspension setup gives you 110mm of smooth, active rear travel. And Boost hub technology improves wheel stiffness for even more control. Here's a look at the key technologies in the new Anthem:



TECHNOLOGY

1 ALUXX SL ALUMINUM FRAME

State-of-the-art aluminum frameset material features best-in-class strength-to-weight ratios and unique welding technologies for a high-performance ride quality.

2 27.5-SPECIFIC GEOMETRY

Updated "long and low" XC frame geometry is tailored for 27.5-inch wheels to optimize control, acceleration and stability.

3 BOOST TECHNOLOGY

Wider hub spacing (110mm front/148mm rear) results in stiffer wheels for added control plus more tire clearance and an improved chainline for optimal drivetrain performance.

4 ADVANCED FORGED COMPOSITE UPPER ROCKER ARM

A state-of-the-art, high-pressure molding process is used to produce complex-shaped carbon-fiber components that are lighter, stiffer and stronger than similar aluminum components.

5 MAESTRO SUSPENSION

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9 OVERDRIVE

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ANTHEM SX

This versatile off-road machine has hidden talents. It's a fast XC ripper that really comes alive on aggressive technical terrain. It's built on an updated lightweight ALUXX SL aluminum frame with a new trunnion-mount Maestro suspension setup that gives you 110mm of smooth, active rear travel. Combined with a 130mm suspension fork and updated geometry that optimizes its 27.5 wheels, it's a great choice for technical XC racecourses or singletrack adventures.

KEY PERFORMANCE FACTORS

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ANTHEM SX

A proven XC performer with a new trick up its sleeve, the all-new Anthem SX blends XC speed with added confidence and control on rough and rugged trails. With an updated ALUXX SL aluminum frameset and new technologies including a trunnion-mount rear suspension system, an Advanced Forged composite rocker arm, and Boost hubs, it climbs and accelerates as quickly as it descends. Here are the key technologies in the new Anthem SX.



TECHNOLOGY

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MAESTRO SUSPENSION TECHNOLOGY

Whatever off-road adventures you seek, Giant's Maestro Suspension helps you make the most of your efforts. Control, traction, comfort, speed — you get more of everything with Maestro. From fast and efficient XC bikes to long-travel downhill machines, Maestro is an adaptable full-suspension platform that offers smooth, active rear suspension for any type of trail and all kinds of terrain.

THREE KEY BENEFITS:

PEDALING EFFICIENCY

Whether you're sprinting up a climb or hammering through a rock garden, Maestro Suspension performs consistently under pedaling power and doesn't compromise efficiency.

COMPLETE SUSPENSION ACTIVITY

From high-frequency trail vibrations to big-hit compressions, Maestro Suspension soaks up the full spectrum of trail impacts.

TOTAL BRAKE INDEPENDENCE

Even under full braking force, Maestro Suspension stays active and gives you better control.

HOW IT WORKS

1. CONTACT EQUALS CONTROL

FEATURE: Maestro's near vertical wheel path and linear spring curve allow the rear suspension to remain incredibly sensitive to both small and big impacts—without "packing up" under rapid, successive hits or bottoming out under big hits.

BENEFIT: The better the contact with the ground, the more control you have. And the more sensitive your suspension is, the better your acceleration, braking and cornering traction.

2. FOUR, TWO, ONE

FEATURE: Maestro utilizes four strategically positioned pivot points (the four red dots) and two linkages that all work to create a single floating pivot point (the red circle).

BENEFIT: This single floating pivot point improves pedaling efficiency by counteracting pedaling forces that would otherwise create suspension compression (squatting) or pedal kickback (bobbing). Both seriously hinder performance by sapping energy from you and your bike.

3. LIGHT AND STRONG

FEATURE: Select Maestro-equipped frames feature lightweight designs (such as the co-pivot shock linkage design shown below) to shed hundreds of grams of unnecessary weight without sacrificing stiffness or strength.

BENEFIT: Lighter is faster, up or down the trail.

TRUNNION MOUNT

Found on the 2017 Anthem and Trance, off-road bikes, this new shock mount design further improves the performance of Maestro Suspension. Working with our key suspension suppliers, we created the new mount to produce the following three core benefits for riders:

4. FEATURE: Lower leverage ratio

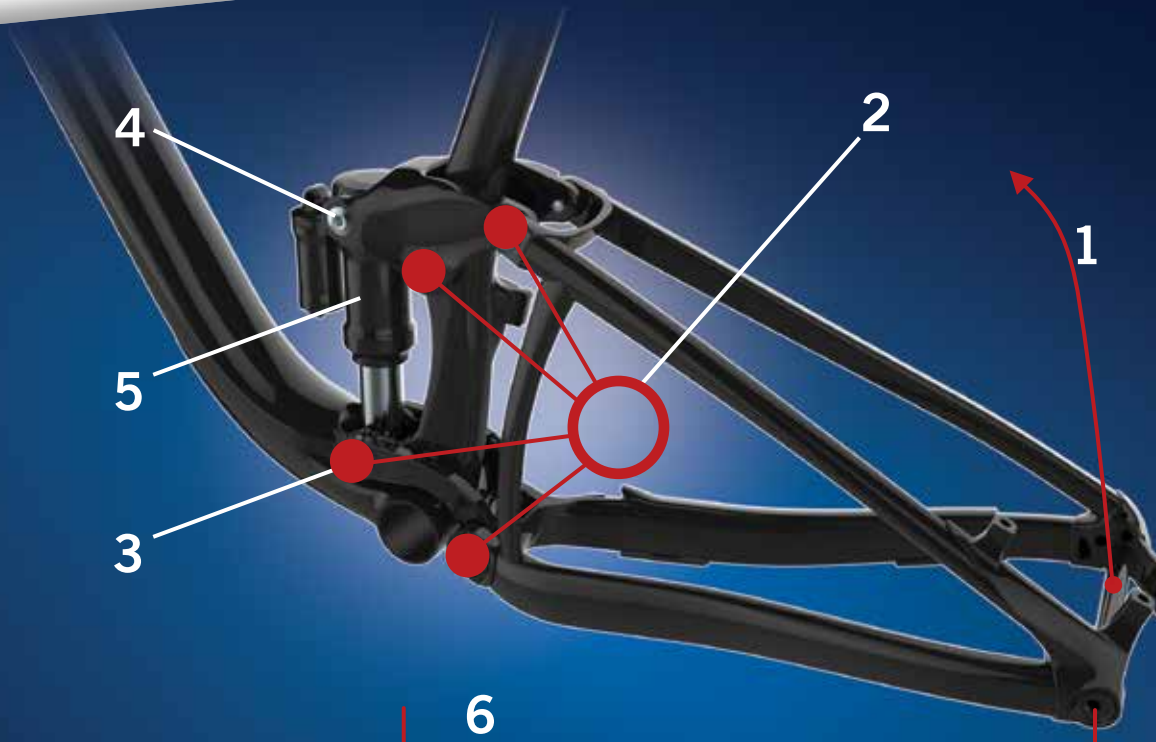
BENEFIT: Improves both pedaling and braking efficiency of Maestro Suspension.

5. FEATURE: Centralized suspension mass

BENEFIT: Lower center of gravity improves bike's overall handling.

6. FEATURE: Shorter rear end (chainstays)

BENEFIT: Shorter chainstays improve climbing capabilities and overall agility.



ADVANCED FORGED COMPOSITE TECHNOLOGY

This all-new high-pressure molding process is used to produce complex-shaped components. Developed and perfected at Giant's state-of-the-art composite manufacturing facility, it allows us to craft components that are lighter and more durable than aluminum or standard composite parts. The key to Advanced Forged Composite Technology is multi-directional carbon construction and an innovative new process that uses extreme pressure-molding.



PROCESS

1. Raw carbon thread is woven at Giant's composite factory to create a carbon matrix.
2. This carbon matrix is combined with Giant proprietary custom-blended resin to create a UDPP (Uni-Directional Pre Preg) sheet, which optimizes strength in one direction.
3. This UDPP sheet is then chopped at various angles and lengths to create a new multi directional isotropic sheet, which maximizes strength in every direction.
4. This isotropic sheet is laid up in three-dimensional molds.
5. The molds are closed and the composite forms are exposed to high heat and extreme pressure.
6. The molds are opened to reveal the Advanced Forged Composite Technology component.

BENEFITS

Advanced Forged composite technology allows Giant to produce frame components and other small parts with the following three benefits:

1. Up to half the weight of aluminum.
2. Increased stiffness compared to aluminum.
3. Increased strength compared to aluminum.



**RIDE LIFE.
RIDE GIANT.**



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