

# UltraBrakes 2

Read carefully instruction before installation

## FEATURES

Material: AL7075T6, Carbon Fibre, Titanium Gr5, Delrin  
Compatibility: direct-pull type levers.  
Finishing: "hart coat" / black anodized  
Graphics: laser etched  
Destination: X-Country, Enduro use.

UltraBrakes 2 are designed to be used with UltraLevers 2+ or direct-pull V-brake specific levers.

## WARNINGS

- Always insert Brake Pin into **central brake boss hole**.  
- **To avoid Linear Spring breakage** and for best performance and feel use low friction cable & housing, tune spring preload at the minimum that allows a proper cable/lever return. Cable housing type and length sensibly influence spring balancing.

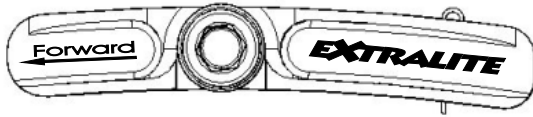
## INSTALLATION

### Brake Arms installation

- 1) Clean and grease brake bosses.
- 2) Insert Linear Spring into Slider.
- 3) Insert Spring Holder and Brake Arm onto brake boss.
- 4) Always insert Brake Pin into central brake boss hole.
- 2) Tighten Mounting Bolt at 4Nm max (use medium threadlock - Loctite 243).

### Pads installation

- 1) Assemble washers exactly as shown in figure. Notice that you can switch position of Thick Spacer (gun metal) and Thin Spacer (black) to get 2 spacing options.
- Brake pads have to be mounted respecting "forward" direction.



- 2) Check that Brake Arms are parallel when brake pads are on the rim, if not you can switch Spacers.

- 3) Adjust brake pads: manually press both pads against the rim, than tight the Fixing Nut at 5Nm max (use anti-seize grease on titanium thread).

Brake pads have to be parallel to rim and centered on rim braking surface.

WARNING: brake pads should never get in contact with tyre, in any position of brake arms.

### Cable installation

- 1) Insert brake cable through the cable pipe and hook it into the Link.
- 2) Insert cable into boot and position it between Anchor Bolt and Groove.
- 3) Pull the cable tight enough to allow 1-1.5mm rim-to-pad clearance.
- 4) Tighten the cable Anchor Bolt to 5Nm max with a 5mm hex wrench.
- 5) Check that cable operation is smooth before proceeding.

### Spring balancing

- 1) Center the brake pads adjusting left/right spring tension. Turn each Micro Adjuster with a 1.5mm hex wrench (clockwise to increase spring tension).
- 2) Squeeze brake lever and check that Micro Adjusters tuning always allow an even return of left and right Brake Arm.

NOTICE: For best performance and feel use low friction cable & housing, tune spring preload at the minimum that allows a proper cable/lever return.

Cable housing type and length sensibly influence spring balancing.

