



SLACKER^{V4}

Digital Suspension Tuner

USER GUIDE

U.S. PATENT NO. 9,021,872

WHAT'S IN THE BOX



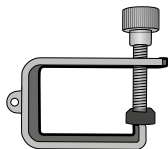
SLACKER DIGITAL SUSPENSION TUNER

See page 3 for detailed overview.



20X CLEAR ADHESIVE LOOPS

Used for street bike bodywork.



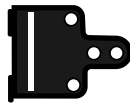
UNIVERSAL CLIP

Used on dirt bike plastics.



UNIVERSAL SLACKER MOUNT

Strap on forks, shock, or frame.



UNIVERSAL FORK ADAPTER

Strap to forks or large shock bodies.



2X HOOK AND LOOP CINGH STRAPS

Used to attach the Universal Fork Adapter and Universal Slacker Mount.



2X 7MM SEAT RAIL LOOPS

Used on bicycle seat rails.



5X MOUNT PLACEMENT STICKERS

Place on frame to mark mount.

TABLE OF CONTENTS

WHAT'S IN THE BOX	PAGE 1
TABLE OF CONTENTS	PAGE 2
SLACKER V4 FUNCTIONAL OVERVIEW	PAGE 3
INITIAL SETUP FOR REMOTE	PAGE 5
USING SLACKER ON FORKS OR LARGE SHOCK BODIES	PAGE 6
MOUNTING SLACKER ON DIRT BIKES	PAGE 7
MOUNTING SLACKER ON STREET AND ADVENTURE BIKES	PAGE 9
MOUNTING AND INITIAL SETUP FOR MTB SHOCKS	PAGE 11
TAKING MEASUREMENTS- MOTORCYCLES	PAGE 13
TAKING MEASUREMENTS- MTB/E-BIKES	PAGE 14

SLACKER V4 FUNCTIONAL OVERVIEW



YOU DO NOT NEED TO PAIR YOUR PHONE, JUST OPEN THE VIRTUAL REMOTE AND TURN SLACKER ON*.

- 1 WIRELESS REMOTE PAIRING**
 - With both units turned off, press and hold the Power and Reset buttons on the main unit until it displays "PA", and then release them.
 - Press and hold the Power and Reset buttons on the wireless remote until it displays "PA", and then release them.
 - Both units will sync and show "0".
- 2 POWER/RESET**
 - Press for 1 second to power on.
 - Press for 5 seconds to power off.
 - Press once to reset Slacker to "0".
 - Automatically turns off after 5 min.
- 3 LCD DISPLAY**
 - Displays readings in millimeters.
 - Backlight for poor lighting conditions.
 - Measures up to 199mm from any point in the cable's travel.
 - If display reads "--", it is out of range.
- 4 BACKLIGHT/AUTO ZERO**
 - Push to turn backlight on and off.
 - Hold for 5 seconds to enter Auto Zero.
- 5 UNIVERSAL CLIP**
 - Clips to fenders and number plates.
 - Secures to rear for easy storage.
- 6 UNIVERSAL CLIP CHANNEL**
 - Secures universal clip to the back.
- 7 RETRACTABLE CABLE**
 - 32 inch retractable "Slacker" cable.
- 8 BATTERY COMPARTMENT**
 - Requires (2) AAA batteries, not included.
- 9 UNIVERSAL MAGNETIC MOUNT**
 - Sticks to steel axles up to 1' in diameter.
 - *Requires Bluetooth to be enabled. Android also requires location services.

DOWNLOAD THE APP

IOS AND ANDROID

SETUP SERVICE ASSISTANT

(With Slacker Virtual Remote)

- 1 ADD YOUR BIKE TO THE APP**
- 2 ADD THE BASELINE SETTINGS**
-Tap the gear icon in the top left corner of the main bike profile screen.
- 3 ADD SUSPENSION TRAVEL FOR MTB**
-Used to calculate percentage of travel used when taking measurements.
- 4 OPEN THE VIRTUAL REMOTE**
-Icon in top left of the home screen.
- 5 TURN SLACKER ON**
-The display should read "0". You can also control Slacker from the app.

ONLINE SUPPORT

MOTOOL.CO/SUPPORT

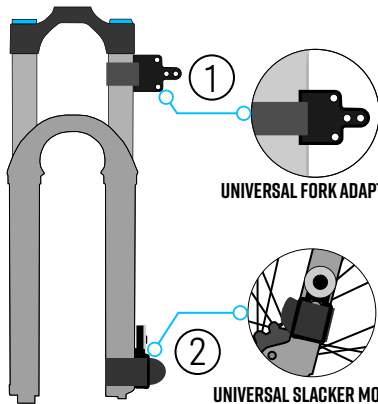
ADD WIRELESS REMOTE

(Install (2) AAA batteries)

- 1 PLACE SLACKER IN PAIRING MODE**
-With both units turned off, hold the Power and Backlight buttons on the main unit until the display reads "PA", and release them.
- 2 PLACE REMOTE IN PAIRING MODE**
-Now, hold the Power and Backlight buttons on the wireless remote until the display reads "PA", and release them.
- 3 SLACKER AND THE REMOTE WILL PAIR**
-The displays will both go to "0".The units are now paired and ready for use.

MOUNTING ON FORKS OR LARGE SHOCK BODIES

(See how to take measurements on pages 13 and 14.)



UNIVERSAL FORK ADAPTER

UNIVERSAL SLACKER MOUNT

1 MOUNT THE UNIVERSAL FORK ADAPTER

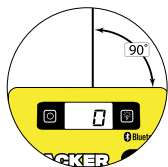
-Strap the mount firmly to the upper fork tube or shock body.

2 PLACE SLACKER ON AXLE OR UNIVERSAL MOUNT MOUNTING ON MOTORCYCLES

- 1) Place Slacker on the axle with the magnetic mount on the back.
- 2) Hook the retractable cable to the fork adapter.
- 3) Make sure the cable exits Slacker at a 90° angle.
- 4) Turn Slacker on.

MOUNTING ON MTB FORKS AND UTV SHOCKS

- 1) Strap the Universal Slacker Mount firmly on the lower tube and mount Slacker on it.
- 2) Hook the retractable cable up to the fork adapter.
- 3) Make sure the cable exits Slacker at a 90° angle.
- 4) Turn Slacker on by holding the power button for one second, until the display comes on.

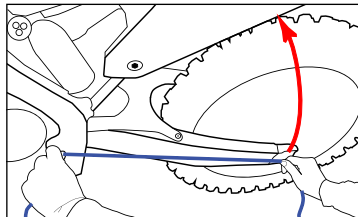
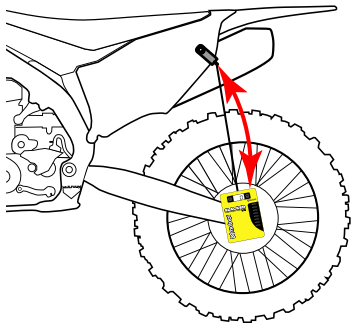


-Slacker cable exits the case at a 90° angle.

DIRT BIKES

MOST OFF-ROAD BIKES

HONDA, YAMAHA, KAWASAKI, SUZUKI, BETA, SHERCO



FINDING THE ARC OF THE AXLE

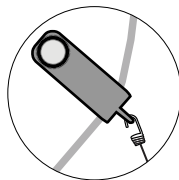
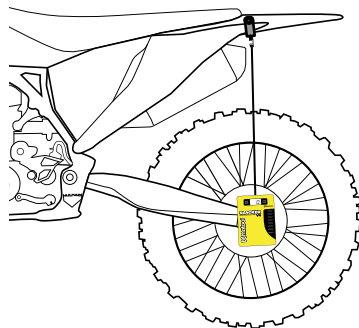
QUICK SETUP VIDEO



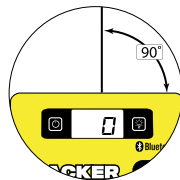
SCAN FOR VIDEO

AUSTRIAN BIKES

KTM, HUSQVARNA, AND GAS GAS



BUTT OF CLIP ALL THE WAY AGAINST THE PLASTICS



SLACKER CABLE EXITS CASE AT A 90° ANGLE

WE RECOMMEND DRILLING A TINY HOLE IN THE PLASTICS FOR THE RETRACTABLE CABLE

① LOCATE RETRACTABLE CABLE ATTACHMENT POINT

-For KTM, Husqvarna, and Gas Gas, place the clip, or drill a tiny hole in the fender directly above the axle. There should be a sag mark from the factory on the original plastics.

-For most other off-road bikes you want to measure across the arc of the axle. Just stretch a USB charging cable from the swigarm pivot axle, to the rear axle. Then swing the rear axle end of the cable up to reveal the arc of the axle. Wherever it hits the plastics is where you place the clip or drill a tiny hole in the plastics for the retractable cable.

② PLACE SLACKER ON THE REAR AXLE

-Stick Slacker to the axle, with the magnet centered on the axle to make sure it gets a good bite.

③ HOOK THE RETRACTABLE CABLE ON THE CLIP OR HOLE

-Extend the retractable cable up and hook it to the universal clip, or hole in the plastics.

④ POWER SLACKER ON

-Press and hold the power button for 1 second to power Slacker on. Also power up the wireless remote or open the virtual remote in the Service Assistant app.

⑤ TAKE YOUR MEASUREMENTS

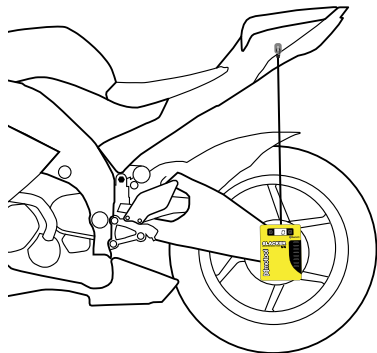
-See page 13 for detailed instructions.

STREET AND ADVENTURE BIKES

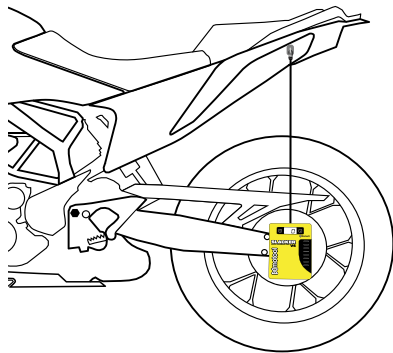
QUICK SETUP VIDEO



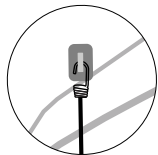
SCAN FOR VIDEO



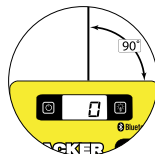
STREET BIKES



ADVENTURE BIKES



Place adhesive loop directly above the axle. Try to place it on the surface that keeps the loop as vertical as possible.



Place Slacker on the rear axle and extend the cable to the adhesive loop. Make sure the cable exits the case at 90°.

BE SURE TO CLEAN THE SURFACE WELL BEFORE PLACING THE ADHESIVE LOOP.

① PLACE ADHESIVE LOOP ON BODY

- Clean the bodywork directly above the rear axle, or the back of the pannier if necessary.
- Place a clear adhesive loop directly above the axle, in the most vertical spot possible, to give the adhesive on the loop the best traction.

② PLACE SLACKER ON THE REAR AXLE

- Stick Slacker to the axle using the universal magnetic mount, with Slacker centered on the axle.

③ HOOK THE RETRACTABLE CABLE ON THE CLIP OR HOLE

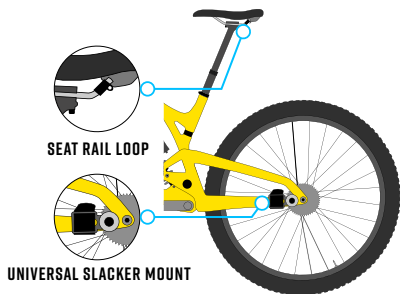
- Extend the retractable cable up and hook it to the universal clip or to the hole in the plastics.

④ POWER SLACKER ON

- Press and hold the power button for 1 second to power Slacker on. Also power up the wireless remote or open the virtual remote in the Service Assistant app.

⑤ TAKE YOUR MEASUREMENTS

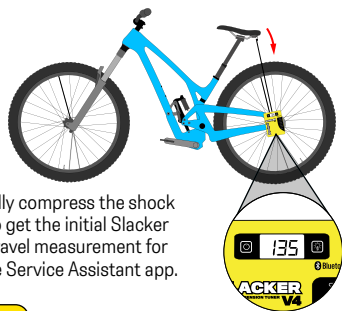
- See page 13 for detailed instructions.



QUICK SETUP VIDEO



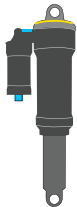
SCAN FOR VIDEO



Fully compress the shock to get the initial Slacker travel measurement for the Service Assistant app.

REQUIRED FIRST TIME MEASUREMENT

AIR SHOCKS



RECORD CURRENT PRESSURE.

Used to re-inflate shock.

MOUNT SLACKER AND TURN IT ON.

Slacker should read "0".

DEFLATE THE SHOCK.

Take care to not damage the valve.

BOTTOM THE SHOCK OUT.

Push the shock through the stroke.

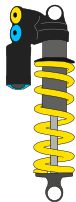
RECORD THE RESULT IN THE APP.

Record the fork and shock travel.

RE-INFLATE THE SHOCK.

You are ready to get dialed- see P14.

COIL SPRING



REMOVE SHOCK SPRING.

Re-mount the shock body.

LIFT THE REAR OF THE BIKE.

Verify the shock is fully extended.

MOUNT SLACKER AND TURN IT ON.

Slacker should read "0".

BOTTOM THE SHOCK OUT.

Push the shock through the stroke.

RECORD THE RESULT IN THE APP.

Record the fork and shock travel.

RE-INSTALL THE SPRING.

You are ready to get dialed- see P14.

① STRAP UNIVERSAL MOUNT TIGHTLY ON THE FRAME

-Strap the Universal Slacker mount tightly to the frame, close to the rear axle.

② CLIP SEAT RAIL LOOP TO THE REAR SEAT RAIL

-Clip one of the included seat rail loops to the back of the seat rail on the same side as the Universal Slacker Mount.

③ PLACE SLACKER ON THE UNIVERSAL MOUNT

-Place Slacker's universal magnetic mount on the universal mount.

④ HOOK THE RETRACTABLE CABLE ON LOOP

-Extend the retractable Slacker cable up and hook it on the seat rail loop.

⑤ TURN SLACKER ON

-Press and hold the power button for 1 second to power Slacker on. Also power up the wireless remote or open the virtual remote in the Service Assistant app.

⑥ TAKE YOUR MEASUREMENTS

-See page 14 for detailed instructions. Now you can mark the mount's location with a sticker.

TAKING MEASUREMENTS- MOTORCYCLES

THESE DIRECTIONS ARE GOOD FOR MOTORCYCLE FORKS AND SHOCKS

- 1 PLACE SLACKER IN AUTO ZERO MODE**
 - Take the bike off the stand so the bike's weight is sitting on the suspension.
 - Place Slacker in Auto Zero Mode by holding the backlight button for 5 seconds or you can enable it from the virtual remote if you use the app. The cursor should start scrolling up the display.
- 2 LIFT THE BIKE TO UNLOAD THE SUSPENSION**
 - Lift the bike to top-out the suspension. Slacker will learn the zero point so that all measurements are in real-time moving forward. Be sure the suspension fully tops out when you lift it.
- 3 MOUNT THE BIKE IN FULL RIDING GEAR**
 - With the bike on flat ground, with fluids and gas topped off, mount the bike in full riding gear.
 - Balance the bike in a wheel chalk, or use your elbow to balance against a van, tree, or wall.
- 4 TAKE YOUR MEASUREMENT**
 - Bounce the bike a couple of times to settle the suspension.
 - Sit in a normal riding position where you would normally sit when entering a turn.
 - Save the measurement using the virtual remote or note it for later.

TAKING MEASUREMENTS- MTB/E-BIKES

THESE DIRECTIONS ARE GOOD FOR MOUNTAIN BIKE FORKS AND SHOCKS

- 1 MAKE SURE SLACKER READS "0" WITH THE SUSPENSION FULLY UNLOADED**
 - Make sure Slacker reads "0" with the suspension fully topped out. If it does not read "0", press the power button to reset it to zero.
- 2 MOUNT THE BIKE IN FULL RIDING GEAR**
 - With the bike on flat ground, mount the bike in full riding gear including hydration pack.
 - Use your elbow to balance against a tree, van, or wall.
- 3 TAKE YOUR MEASUREMENT**
 - Bounce the bike a couple of times to settle the suspension and then sit down.
 - Save the measurement, and percentage of travel used using the virtual remote, or note it for later.
 - Be sure to remove the seat clip and universal mount before you hit the trails.

Legal Disclaimer:

Motool is not responsible for any damage or injuries caused by improper bike setup. Any settings are provided as a guideline only. It is the end-user's responsibility to determine the correct adjustments based on the manufacturer's recommendations, and to perform the work in a safe and professional manner. All adjustments and work performed are the end-user's responsibility.

FCC REGULATORY INFORMATION

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.



© 2023 Motool Inc. All rights reserved. Motool, Slacker, and the Motool logo are trademarks of Motool Inc., registered in the U.S., China and other countries.

