ÖTX Controller - Quick Start Guide v1.0

Hardware version 2.0 / 2.1
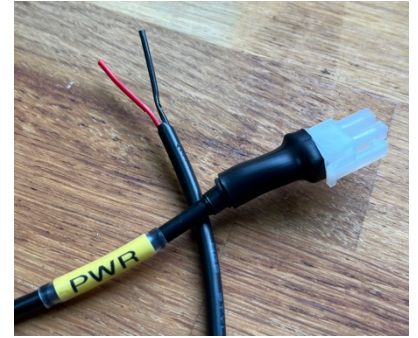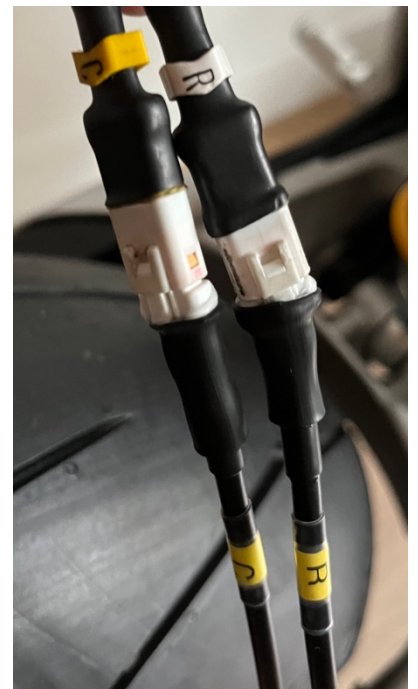Software version 1.4

Please be aware!

- The ÖTX Controller is intended for "track" use only.
- Leave the installation to a professional that has experience in motorcycle electronics. Creating a short circuit is easy and can destroy the ÖTX Controller as well as your suspension and or other motorcycle electronics.
- Every time the ÖTX Controller powers on it will reset the suspension motors to make sure the internal needle isn't stuck. This will take a few seconds on every power up. While this procedure is running you can hear the suspension motors making some noise, this is normal behavior.
- Do not disconnect the suspension motor cables while the ÖTX Controller is turned on.
- The ÖTX Controller is not waterproof.
- Keep the ÖTX Controller away from high heat sources above 50 degree Celsius.
- The transparent casing is susceptible to scratches, handle with care if you want to keep it looking shiny.

Installation

1. Connect the power cable to a switched 12V output using a 1A fuse.
   - The power cable is marked with a yellow label, "PWR" and has a 2 pin connector.
   - Red is positive, Black is negative.
   - Make sure your power output is switched, meaning the ÖTX Controller will only turn on when your motorcycle ignition is switched on.
   - The ÖTX Controller has an operating voltage range from 10V to 15V.

2. Connect both suspension motor cables to your rear shock or front fork.
   a. Each suspension motor cable is marked with a yellow label, "R" / "C" and has a 4 pin connector.
   b. Connect the cable marked "R" to the Rebound connector and the cable marked "C" to the Compression connector on your suspension.
      i. If your rear shock or front fork does not have a marking/clip/label telling you which connector is the rebound or compression side, please refer to your motorcycle or shock manual/documentation to validate the correct connection.
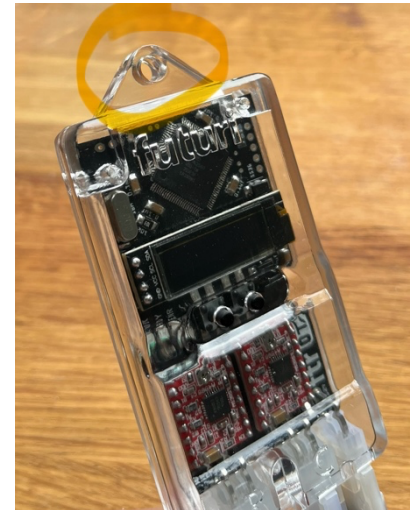

3. Now plug in all 3 cables to your ÖTX Controller
   a. Connect the suspension motor cable marked "R" to the left connector on the ÖTX Controller. This connector is also marked with "R" on the casing.
   b. Connect the suspension motor cable marked "C" to the middle connector on the ÖTX Controller. This connector is also marked with "C" on the casing.
   c. Connect the suspension motor cable marked "PWR" to the right connector on the ÖTX Controller.

Mounting

The ÖTX Controller can be mounted using multiple methods. Choose a solution that works for your motorcycle and situation.

- 3 examples
    - The top lip of the housing allows the unit to be mounted to any bolt hole using an M6 bolt.
        - Don't overtighten or you can crack the casing!
    - Use Velcro on the back of the case to stick the controller on any surface. This way you can still remove the controller if needed.
    - The top lip of the housing allows the unit to be mounted to any hose, hole, tube and or cable using a zip tie.
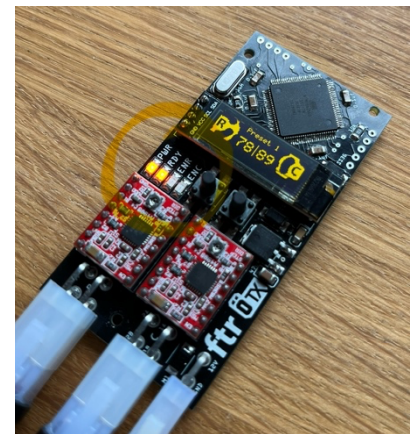

How to use?

Status LEDs

The ÖTX Controller has 4 orange status LEDs. This means you can see and check if the controller is functioning properly.

- Power (labeled: PWR)
    - The ÖTX Controller is receiving power and is switched on.
- Ready (labeled: RDY)
    - The ÖTX Controller has fully booted up and is ready to be used.
- Rebound active (labeled: ENR)
    - The Rebound suspension motor is being adjusted.
- Compression active (labeled: ENC)
    - The Compression suspension motor is being adjusted.

Your current suspension settings

When your ÖTX Controller has fully booted up and is ready to use it will show you the current suspension settings that are active.

On the left of the screen it shows the current Rebound click, and the right shows the current Compression click. The top middle shows you the current preset that is active.
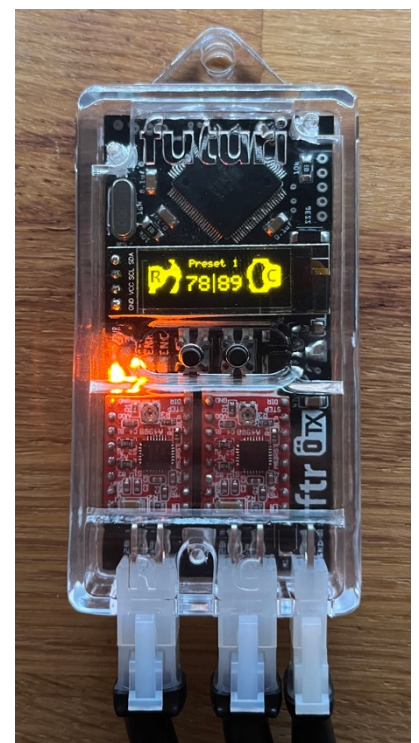
The ÖTX Controller allows you to adjust Rebound and Compression from 1 to 99 clicks. This gives you very fine control over your suspension.

1 - being fully open giving no resistance in the suspension.
99 – being fully closed giving allot of resistance in the suspension.

(In the example picture you see Preset 1 is active, Rebound is set to click 78 and Compression is set to click 89.)

Want to change any of these settings? Lets go to the next step!

Adjusting your suspension clicks

The only thing you need to change your suspension settings are the 2 buttons on the front of the ÖTX Controller.

Do you prefer to watch a video? Scan the QR code to open a YouTube video describing the next steps (https://youtu.be/LG2tM8Htb8Y).

- **Hold** a button for 2 seconds (**Left** button = **Rebound**, **Right** button = **Compression**).
    - o The click number setting you are changing will now start blinking on the screen.

- You are now able to increase or decrease the click setting.
    - o The **left** button will **decrease** the click setting.
        - ▪ A single click will decrease the click setting by 1.
        - ▪ A double click will decrease the click setting by 10.
    - o The **right** button will **increase** the click setting.
        - ▪ A single click will increase the click setting by 1.
        - ▪ A double click will increase the click setting by 10.

- When you are finished adjusting your suspension click setting **hold** the same button you used in step 1 for 2 seconds (**Left** button = **Rebound**, **Right** button = **Compression**).
    - o The click number setting you were changing will now stop blinking on the screen.

Changing Presets

The ÖTX Controller can store 3 suspension setting presets. Allowing you to change your suspension setup with just 1 press of a button.

- **Single click** a button to instantly change the preset.
    - o The **left** button will **decrease** the current preset.
    - o The **right** button will **increase** the current preset.

Adjusting the settings of a specific preset number works exactly the same as the previous step. Just make sure you have the preset selected that you want to adjust.

Share your feedback!

I appreciate your personal feedback! If you have any feature request or thoughts on making improvements on the ÖTX Controller please feel free to reach out and share your thoughts. Get in touch through any of these channels, mark@futuri.tech / www.futuri.tech / Instagram: @futuri_motiontech.