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> eBike Tuning Chip User Manual for NCM Venice Moscow Milano Aspen Plus L7B C7B L7 C7 Das-Kit e-Bikes

Mobilefox Das-Kit e-Bike Tuning Chip

Mobilefox eBike Tuning Chip User Manual

For NCM Venice, Moscow, Milano, Aspen Plus, L7B, C7B, L7, C7, and Das-Kit e-Bikes

1. PRODUCT OVERVIEW

The Mobilefox eBike Tuning Chip is designed to enhance the performance of compatible NCM e-bikes equipped with Das-Kit systems. This chip increases the maximum assisted speed and optimizes the starting response, providing improved torque at lower speeds.

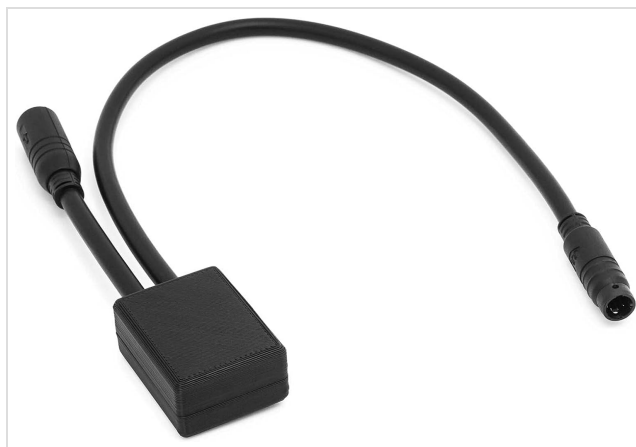


Image 1.1: The Mobilefox eBike Tuning Chip, a compact black device with connecting cables.

2. IMPORTANT SAFETY INFORMATION AND DISCLAIMERS

Please read this section carefully before installation and use.

- **Legal Compliance:** The use of this product is **not permitted** under the StVo (German Road Traffic Regulations) and should only be carried out on private property. Bicycles modified by this product must not be used in public road traffic. Users are responsible for complying with local laws and regulations regarding e-bike speed limits and modifications.
- **Risk of Damage:** We disclaim all responsibility for damage caused to the bicycle, including but not limited to motor overload, defective motor controller, or excessive wear.
- **Warranty Void:** Installation and use of this product are at your own risk. Warranty claims against the e-bike manufacturer or distributor may be voided upon installation of this tuning chip.

- **Professional Installation Recommended:** If you are unsure about the installation process, it is recommended to seek assistance from a qualified bicycle technician.

3. COMPATIBILITY

This tuning chip is compatible with NCM e-bikes equipped with NCM L7 and C7 displays. Compatible models include:

- NCM Moscow 48V
- NCM Moscow Plus 48V
- NCM Aspen 48V
- NCM Aspen Plus 48V
- NCM Milano 48V
- NCM Milano Plus 48V
- NCM Venice 48V
- NCM Venice Plus 48V
- NCM Miami 48V

Note: Not compatible with tuning/off road displays.

4. SETUP AND INSTALLATION

The package includes a detailed installation manual (German/English). Please refer to that manual for step-by-step instructions. Below is a general overview of the connection points.

1. Locate the motor connection cable on your e-bike.
2. Disconnect the existing cable.
3. Connect the Mobilefox tuning chip inline with the motor cable, ensuring a secure fit for both connectors.
4. Secure the chip and cables to prevent interference with moving parts.



Image 4.1: Close-up view of the male and female connectors on the tuning chip, designed for inline installation with the e-bike's motor

cable.

5. OPERATING INSTRUCTIONS

To activate the tuning chip's functionality:

1. Ensure your e-bike is powered on.
2. On your e-bike's display, select the "Power" level. (This selection is only possible on "Plus" models; standard models do not require this specific setting).
3. Also select level "2" on your display.
4. Ensure the display backlight is activated.

Once these settings are applied, the tuning chip will be active, increasing the maximum assisted speed up to 35 km/h and optimizing the starting response. All other assistance levels will continue to function without modification. You can switch the tuning on and off by adjusting these display settings as needed.



Image 5.1: An e-bike display showing a speed of 35 km/h, indicating the tuning chip's effect on the maximum assisted speed.

6. TECHNICAL SPECIFICATIONS

| | |
|-------------------------------|--|
| Dimensions (L x W x H) | Approx. 48 x 32 x 18 mm |
| Technology | Microcontroller technology for fast data processing |
| Color | Black |
| Weight | 50 g |
| Material | Aluminum (as per product specifications, likely for internal components or casing) |

7. MAINTENANCE

The Mobilefox eBike Tuning Chip requires minimal maintenance. Ensure the connections remain secure and free from dirt or moisture. Periodically check the chip and cables for any signs of wear or damage. If any damage is observed, discontinue use and consider replacement.

8. TROUBLESHOOTING

- **Tuning not activating:**

- Ensure the "Power" level and level "2" are selected on your e-bike display.
- Verify that the display backlight is on.
- Check all cable connections to ensure they are secure and properly seated.
- Confirm your e-bike model is listed in the compatibility section (Section 3).

- **No change in speed or torque:**

- Re-check activation steps (Section 5).
- Inspect the chip and cables for any visible damage.
- Ensure the chip is correctly installed inline with the motor cable.

- **Error messages on display:**

- Disconnect the tuning chip and check if the error persists. If the error disappears, it may indicate an issue with the chip or its installation.
- Consult your e-bike's original manual for specific error codes.

If problems persist after following these steps, please contact Mobilefox customer support.

9. WHAT'S IN THE BOX

- 1 x Mobilefox eBike Tuning Chip for NCM Das-Kit
- 1 x Detailed Installation Manual (German/English)

10. WARRANTY AND SUPPORT

For warranty information and customer support, please refer to the contact details provided in the detailed installation manual or visit the official Mobilefox website. Remember that installation of this product may affect your e-bike's original warranty. For further assistance, you may contact Mobilefox directly via their brand store on Amazon: [Mobilefox Amazon Store](#).