

BACILA-BOX installation manual for TESLA MODEL 3 and Y

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1. Prepare the adapter

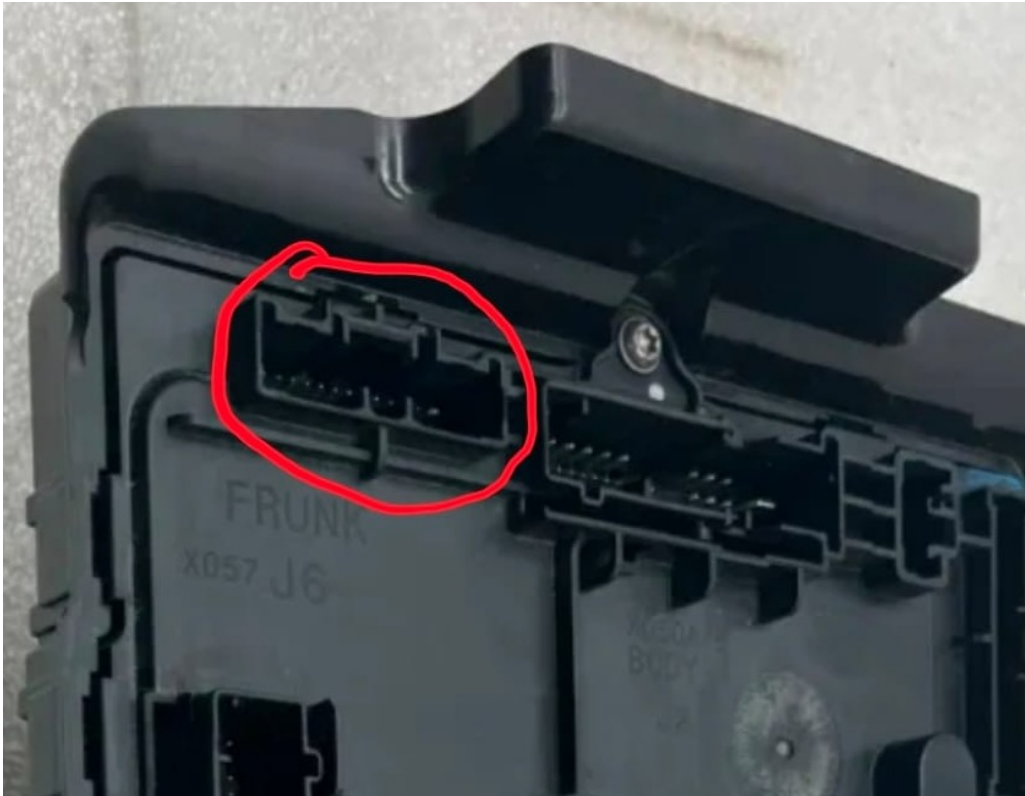
Before installation, check the BACILA-BOX adapter and its connectors. The adapter is installed inline between the BODY (VCRIGHT) computer and the vehicle connector: unplug the vehicle connector from BODY (VCRIGHT), connect it to the adapter, and plug the adapter connector into the BODY (VCRIGHT) computer. Use the separate black wire with the ring terminal for ground (GND).



Adapter connectors and separate GND wire.

2. Find the connector location

Remove the passenger-side lower footwell plastic trim and the foot airbag cover. This gives access to the BODY (VCRIGHT) computer connector. If it is more convenient, the glove box may also be removed. On Model Y, removing the glove box is usually not necessary because there is more free space in this area. The required connector location is shown in the photo. The BACILA-BOX adapter is installed inline between the original vehicle connector and the BODY (VCRIGHT) computer without modifying the original vehicle wiring.



Marked connector location where the adapter is installed.

3. Connect ground (GND)

Attach the black wire with the ring terminal to a reliable body / module ground point. It is recommended to use the screw location shown in the photo. The contact surface must be clean and the screw must be tightened firmly.



Recommended GND mounting point.

4. Power on and connect to Wi-Fi

After power is connected, use a phone or computer to connect to the BACILA-BOX Wi-Fi access point.

Wi-Fi name:

BACILA-BOX(xxxx)

Factory password:

12345678

Your phone or computer may show a warning that this network has no internet connection. Choose to stay connected to this network.

5. Open the web control page

Open the browser and go to:

192.168.4.1

The BACILA-BOX Dashboard page will open. It shows the firmware version, software version, device MAC / Serial No., CAN bus load, and Bridge status.



BACILA-BOX Dashboard page.

6. Enter the vehicle VIN

Open the device web page and enter the vehicle VIN.

WARNING: The VIN number must be entered correctly. The VIN number cannot be rewritten without resetting the device. Reset service is charged separately.

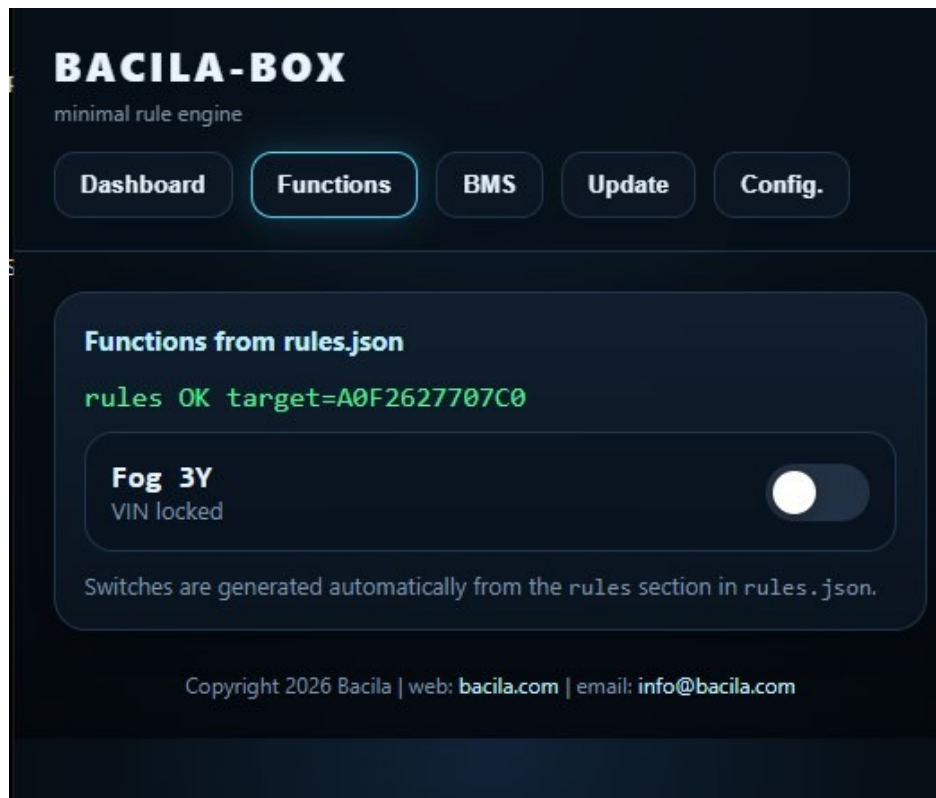
After entering the VIN, save the settings. If you are using the factory Wi-Fi password, it is recommended to change it to your own password.

The screenshot shows the BACILA-BOX configuration interface. At the top, there's a header with the BACILA-BOX logo and the tagline 'minimal rule engine'. Below the header is a navigation bar with buttons for 'Dashboard', 'Functions', 'BMS', 'Update', and 'Config.'. The 'Config.' button is highlighted. The main content area is divided into three sections: 'VIN', 'AP password', and 'CAN baudrate'. The 'VIN' section has a text input field labeled '17 symbols VIN', a 'Save' button, and a 'Clear' button. Below the input field, it says 'Saved: VIN not set' and there's a radio button labeled 'VIN - NOT SET'. The 'AP password' section has a text input field labeled '8-63 symbols', a 'Save' button, and a default value 'Default: 12345678'. The 'CAN baudrate' section has a text input field labeled '500kbps'. At the bottom, there's a footer with copyright information: 'Copyright 2026 Bacila | web: bacila.com | email: info@bacila.com'.

Config page: VIN, AP password, and CAN bitrate.

7. Enable the required function

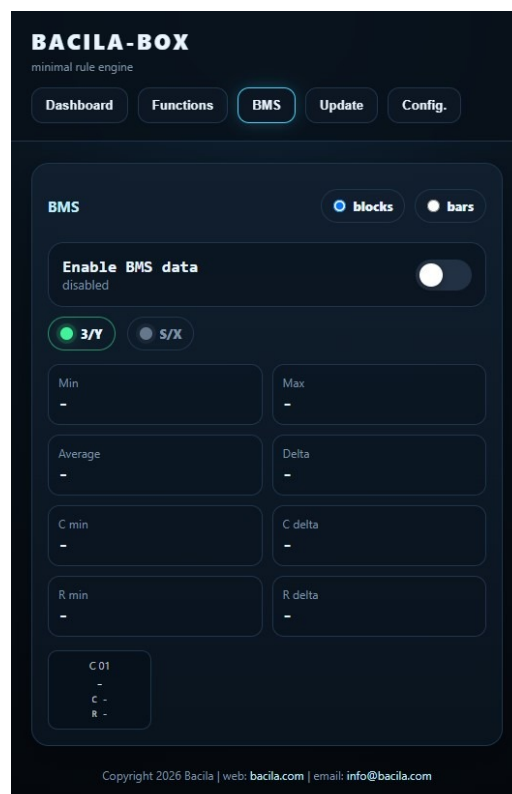
When the VIN is saved and the device detects the correct vehicle VIN over CAN, open the Functions page. Enable the required function, for example "fog".



Enabling a function on the Functions page.

8. BMS page

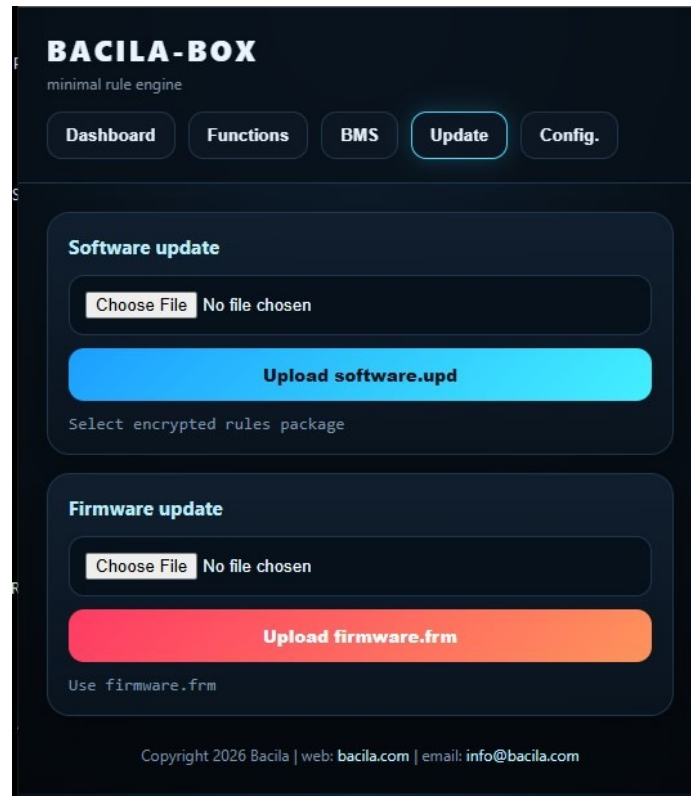
BACILA-BOX owners can use the BMS cell reading page. If BMS data reading is required, open the BMS page and enable "Enable BMS data".



BMS page for monitoring cell data.

9. Update page

The Update page is used to upload BACILA-BOX software update files when such update files are provided by the manufacturer.



Update page for software updates.

10. Check operation

On the Dashboard page, check that Bridge is ON and that the CAN0 / CAN1 counters are changing. On the Functions page, make sure the required function remains enabled and is not shown as locked or not intended for this device.

If the function does not turn on:

- check that the correct VIN was entered;
- check that the device receives the vehicle VIN over CAN;
- check that the software.upd file is intended for this exact device by MAC / Serial No.;
- check the GND contact and adapter connectors.