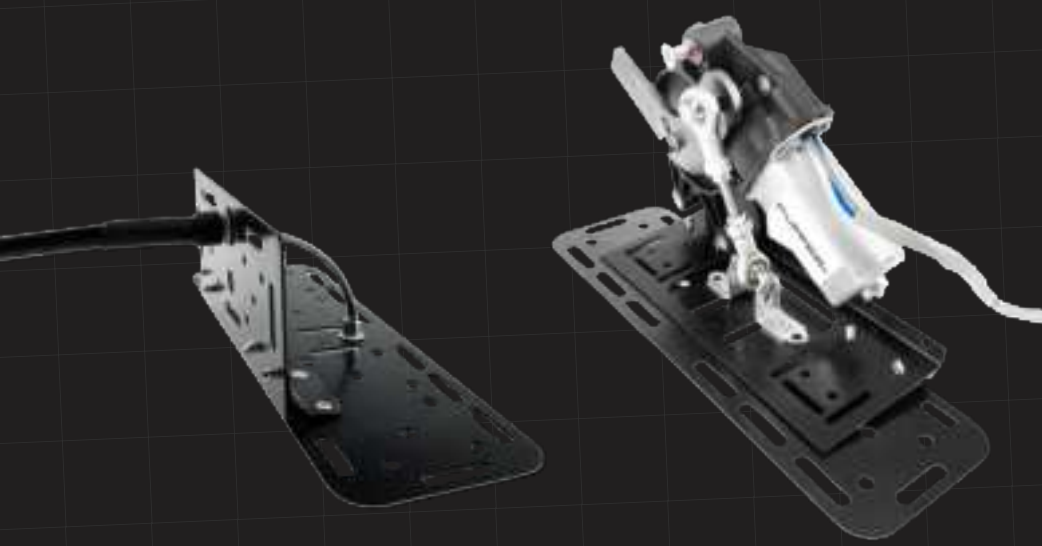
FLIPPER+

Installation manual



Installation Guide for Folding License Plate Frames

The folding license plate frame **with a cable** mechanism is specifically designed for rear license plates. Its flexible design allows for easier installation and operation in the limited space available at the back of most vehicles. On the other hand, the **hard traction** folding frame is intended for front license plates, where a sturdier, more rigid mechanism is advantageous for withstanding wind

Included in the Bundle:

- Folding frame
- Remote controls
- Control unit
- Light indicators and position sensors for the folding frame (optional)

Important Notes:

This frame will need to be connected to your car's power source. Electric cables are not included in the bundle as different cars may require different types of connectors and lengths.

Step 1: Choose the Location for Folding Frame

- Decide where you want to use the cable-connected frame or the hard rod frame, you will need to drill holes for the frames at this place. The cable frame provides more flexibility **(used on rear plates)**, while the hard rod is more rigid **(made for front plates)**.
- Attach the frame onto your car's license plate mount area. Secure it firmly, ensuring it aligns correctly with the license plate position.

Step 2: Install the Control Unit

- Find a suitable location inside the vehicle to mount the control unit. Ideally, it should be close to the driver's seat for easy access.
- Secure the control unit, making sure it will not interfere with driving or other vehicle functions.

Step 3: Wiring the Power Supply

1. Locate the Car Power Source: Identify a suitable power source in your vehicle, such as the 12V battery connection in the fuse box.
2. Connect the Power Wires: Using appropriate cables (not included), connect the control unit to the power source. Make sure to use a fuse (recommended: 5A) to protect the circuit.
   - Positive Wire (+): Connect to a 12V positive source.
   - Ground Wire (-): Connect to the vehicle's ground point or a suitable metal part of the frame.

Step 4: Test the Folding Frame

1. Use the Remote Control: Press the remote buttons to test the folding mechanism. The frame should rotate 90 degrees smoothly to face the ground.
2. Check the Indicators and Sensors: Ensure the indicators light up correctly, showing the position of the frame, and verify that the sensors are functioning as expected.

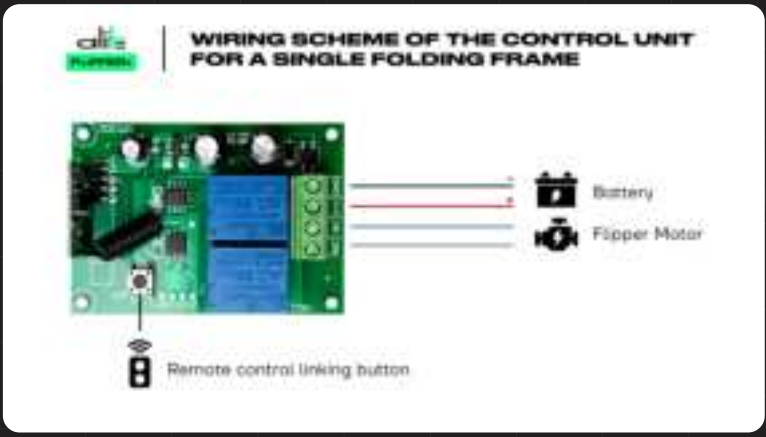
Step 5: Install the Position Sensors and Indicators (optional)

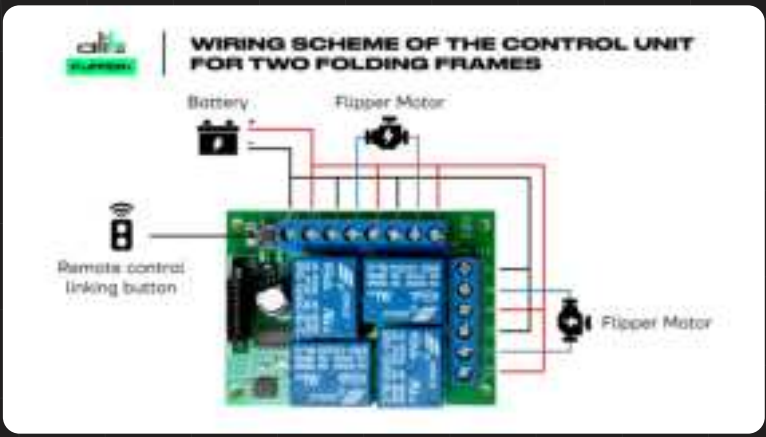
1. Mount the Light Indicators: Place the light indicators in a visible spot on the dashboard to show the status of the folding frame. Connect the lights to the control unit.
2. Attach the Position Sensors: Install the sensors on or near the folding frame to detect the frame's position. Ensure they are securely attached and connected to the vehicle power system (circuit not connected to a control unit).

Step 6: Final Adjustments

- Secure All Wires: Bundle any loose wires and secure them with zip ties to prevent them from shifting or interfering with car functions.
- Test While Driving: Once everything is installed, test the frame in a safe location to ensure it operates correctly while the car is in motion.

Instructions for Connecting the Control Unit





Instructions for Pairing a Remote Control with a Control Unit

1. Preparation

Ensure the relay board is powered. Connect:

- 12V to the positive pole of the power source (+12V).
- GND to the negative pole of the power source (GND).

2. Pairing the remote control buttons with the relay

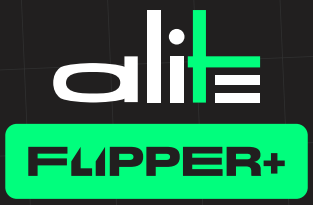
1. Press the learning button on the relay board (usually located near the antenna and labeled “Learning” or “S1”):
   - Press and hold the S1 button for approximately 2–3 seconds until the indicator LED on the board starts flashing or lights up steadily (exact behavior depends on the model).
2. When the indicator starts flashing, press any button on the remote control to pair it with a specific relay. The remaining buttons will be paired automatically.
3. The indicator LED on the relay board will stop flashing (or light up for a few seconds, depending on the model) to confirm successful pairing.

3. Testing the functionality

1. Press the paired button on the remote control. The relay associated with this button should activate (you will hear a click or see the LED on the relay light up).
2. Repeat the process for the second button to ensure both relays are functioning correctly.

4. Removing pairings (if necessary)

1. To delete all paired remote controls, press and hold the learning button (S1) for about 8–10 seconds until the indicator LED starts flashing or turns off.
2. After this, all previously paired remote controls will be unlinked, and you can set up pairings again.



If you have any questions or concerns
please contact us at hello@alite.cc