Parklio

Parklio™ Barrier

USER MANUAL

Table of Content

1. Foreword..... 4
1.1. Overview..... 5
1.2. Features..... 5
2. Warnings and General Precautions..... 7
2.1. Safety Instructions..... 8
2.2. Installation Warnings..... 9
3. Product Description..... 10
3.1. Product Components Overview..... 10
3.2. Dimensions..... 15
3.3. Technical Sheet..... 16
4. Installation..... 18
4.1. Packaging Contents..... 18
4.2. Unpacking the Product..... 19
4.3. Preliminary Checks and Testing..... 19
4.4. Positioning the Barrier for Installation..... 21
4.5. Installation of AC-Powered Barrier Model..... 22
4.5.1 Mounting the Base..... 25
4.5.2. Installing the Power Supply..... 27
4.5.3. Connecting the Power..... 30
4.5.4. Final Steps..... 31
4.6. Installation of Standard Barrier Model..... 31
4.6.1 Mounting the Base..... 32
4.6.2 Inserting the Battery..... 34
4.6.3. Final Steps..... 34

5. Controlling the Barrier..... 35
5.1. Barrier Key Reset.....36
5.2. Manual Barrier Control.....37
6. Cleaning and maintenance.....38
6.1. Cleaning the Laser Sensor..... 38
6.2. Cleaning the Inside of the Barrier Cover..... 39
6.3. Cleaning the Barrier Exterior.....39
6.4. Replacing the Safety Pin..... 39
7. Disposal of the device.....40
8. Declaration of Conformity to RED..... 41
9. Declaration of Conformity to FCC.....42
10. Declaration of Conformity to ISED..... 44

1. Foreword

Thank you for purchasing Parklio™ Barrier. The Parklio Smart Parking Barrier, made using cutting-edge technology, has passed rigorous quality control methods to guarantee its excellence.

This user manual is intended to provide you with all the necessary information to ensure the proper installation, operation, and maintenance of your parking barrier. Inside, you will find detailed, step-by-step instructions accompanied by illustrations to guide you through the setup process. Additionally, we've incorporated important safety precautions to keep in mind while using the product.

Please be aware that the information in this manual is subject to possible revisions without prior notice. To ensure you have the most up-to-date information, we kindly request that you visit our official website regularly.

Attention!

- **Read the user manual and technical sheet before installing and using the Parklio Smart Parking Barrier.**
- **Always follow the safety instructions.**
- **Keep this user manual at hand for future reference.**

1.1. Overview

The Parklio Smart Parking Barrier is designed to secure parking spaces and enable smartphone-controlled access. Suitable for diverse settings, the barrier safeguards valuable parking spots. It seamlessly integrates with other smart systems, offers manual control alongside remote operation, and includes safety features like a breakable pin. Rechargeable batteries ensure flexibility, while the auto-close function enhances security.

1.2. Features

Explore the remarkable capabilities of the Smart Parking Barrier as we detail each aspect that sets this product apart.

Key Features:

- **App-Controlled Operation**: Use the Parklio Connect app to remotely lower or raise the parking barrier, granting access conveniently from your vehicle.
- **Auto-Close Function**: The barrier automatically closes upon departure, ensuring the parking spot remains secure and available for authorized users.
- **Digital Key Sharing:** Easily share virtual keys, allowing controlled access to the barrier. Set specific time frames for temporary access or provide unlimited entry.
- **Solar-Powered Efficiency:** An integrated solar panel enhances battery autonomy, providing sustainable and cost-effective power to the barrier.
- **Power Options:** Choose between a battery-only operation or continuous power supply based on your preferences.
- **Protection for EV Charging Spots:** Besides standard parking spaces, the barrier prevents unauthorized use of EV charging spots, improving accessibility and preventing misuse.
- **Customization:** Personalize the parking barrier with your company's logo and preferred color.

- **Location Navigation:** Utilize the Parklio Connect app for direct navigation to the parking barrier's location, helping visitors locate designated spots.
- **Easy Installation:** The smart parking barrier follows a plug-and-play approach, simplifying installation without additional configuration.
- **Quality Assurance:** Parklio Barrier holds CE, ROHS, and FCC certificates, meeting rigorous quality standards for reliability and safety.

This manual provides factual insights into the features and functionalities of the Smart Parking Barrier, ensuring a comprehensive understanding of its capabilities.

2. Warnings and General Precautions

This section offers safety guidelines to keep you safe from harm or property damage. All warranties will be voided if these instructions are not followed.

PARKLIO (PARKLIO D.O.O.) RESERVES THE RIGHT TO MODIFY THE DEVICE WITHOUT NOTICE. PARKLIO (PARKLIO D.O.O.) DISCLAIMS ALL LIABILITY FOR ANY DAMAGE OR INJURY TO PEOPLE OR THINGS CAUSED BY IMPROPER USE OR WRONG INSTALLATION.

THE BARIER WAS MADE IN ACCORDANCE WITH ALL IMPORTANT SAFETY CRITERIA AND STANDARDS. CHILDREN, PERSONS WITH DISABLED PHYSICAL, MOTOR, OR PERSONAL EQUALITY, AND RELATED PEOPLE WITHOUT PREVIOUS EXPERIENCE OR KNOWLEDGE SHOULD NOT USE THE BARRIER WITHOUT THE REQUIRED HELP AND SUPERVISION.

EXCEPTION: DEVICE USE UNDER ADEQUATE SUPERVISION, IF THEY HAVE RECEIVED SAFETY INSTRUCTIONS AND TRAINING, OR IF THEY HAVE BEEN INFORMED ABOUT THE DANGER CAUSED BY IMPROPER USE. THE SAME RECOMMENDATION APPLIES TO JUVENILE USAGE OF THE DEVICE.

CHILDREN SHOULD NOT BE ALLOWED TO PLAY WITH THE DEVICE. DO NOT ALLOW CHILDREN TO CLEAN, USE, OR MAINTAIN THE DEVICE.

2.1. Safety Instructions

Do not use the barrier if you have not read and understood the operating instructions.

Check that all of the elements listed in these instructions are still within the original package before using the barrier for the first time.

Only the Barrier's manufacturer's plugs, batteries, chargers, replacement components, and power supply should be utilized. The **use of non-manufacturer-provided components results in warranty termination.**

Ignoring use instructions, as well as inappropriate installation and use of the barrier, may result in barrier damage or user injury. Always have instructions on hand.

Never expose the inner workings to water.

Leave the barrier repairs to a professional. Improper repairs may result in an accident or an equipment breakdown.

Charge the battery to full capacity before first use. **Only use the included power adaptor to charge the battery pack.**

Please handle the battery pack with care, as it is delicate. Avoid exposing the battery to direct heat.

The battery pack is only intended for use with Parklio products and should not be used with other goods. Parklio is not liable for any damage caused to the device or the battery pack as a result of improper usage. **Before using the battery pack, be sure to shut off the power input connector to prevent water infiltration.**

Chemical solvents should never be used on the product since they might trigger an explosion.

For appropriate installation and connection to the electrical network, strictly adhere to the instructions.

The installer must provide a device (e.g., a magnetothermic switch) that ensures the equipment's omnipolar separation from the power supply. The requirements specify a contact separation of at least 3 mm on each pole (EN 60335-1).

The warranty excludes consumable device components, color fading, and chipping, increased noise as a consequence of device age, and other cosmetic impacts that do not impair the product's operation or safety.

2.2. Installation Warnings

Because installation includes mechanical and electrical abilities, it should only be performed by competent professionals who can give the Compliance Certificate for the whole installation.

During installation, maintenance, cleaning, and repairs, the device and external power source must be separated from the power supply.

The upstream electric system must adhere to current laws and regulations.

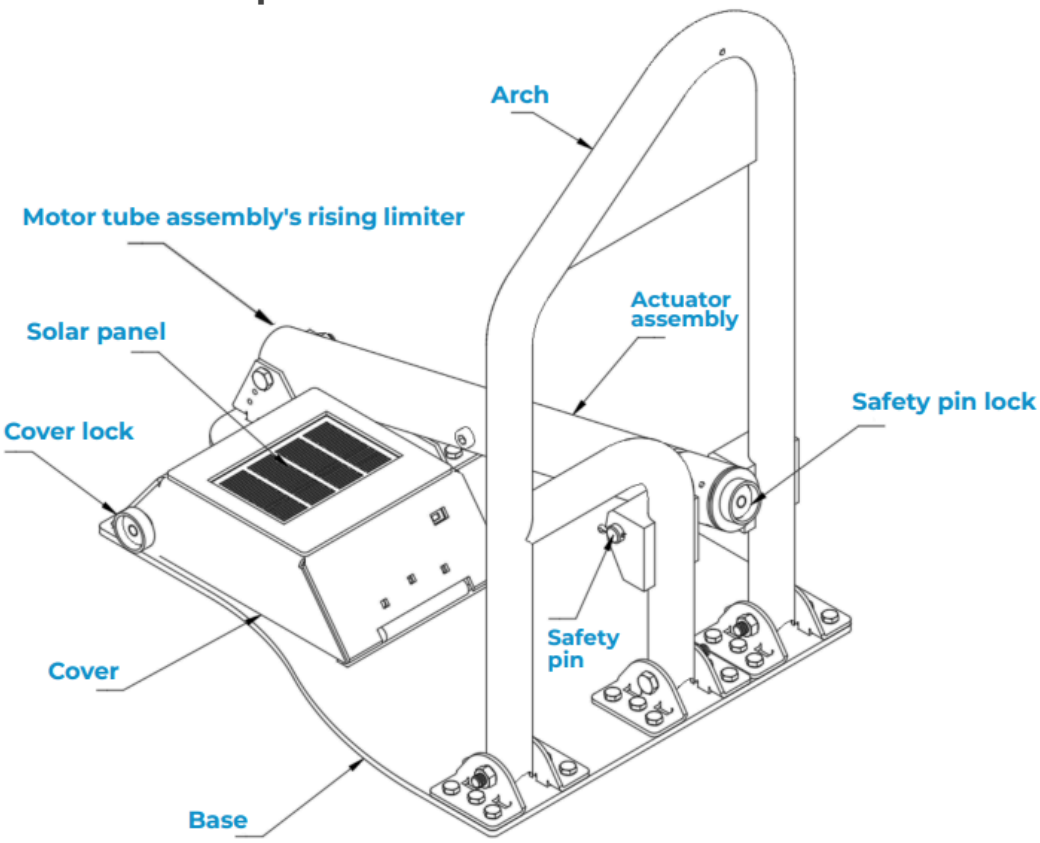
Install the product only in non-explosive surroundings and atmospheres; the presence of flammable gases or vapors poses a major safety risk.

The barrier must be exclusively installed on a hard, flat concrete floor.

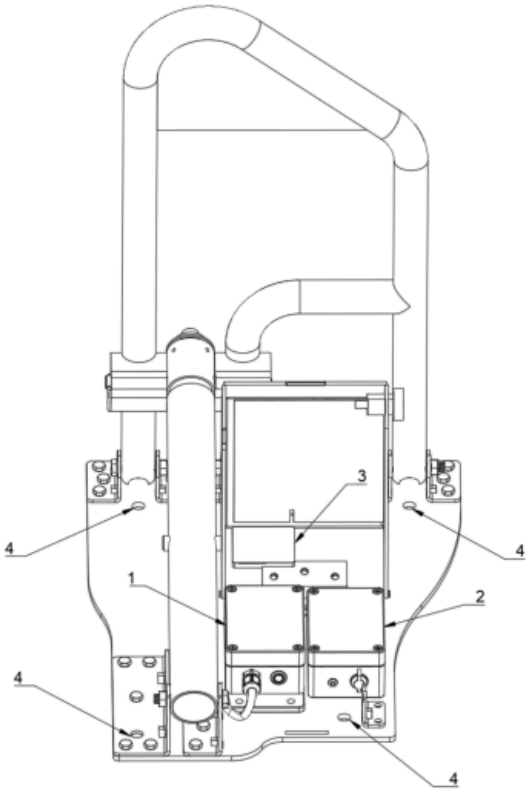
3. Product Description

This section provides a complete description of the Smart Parking Barrier's physical characteristics and technical specifications.

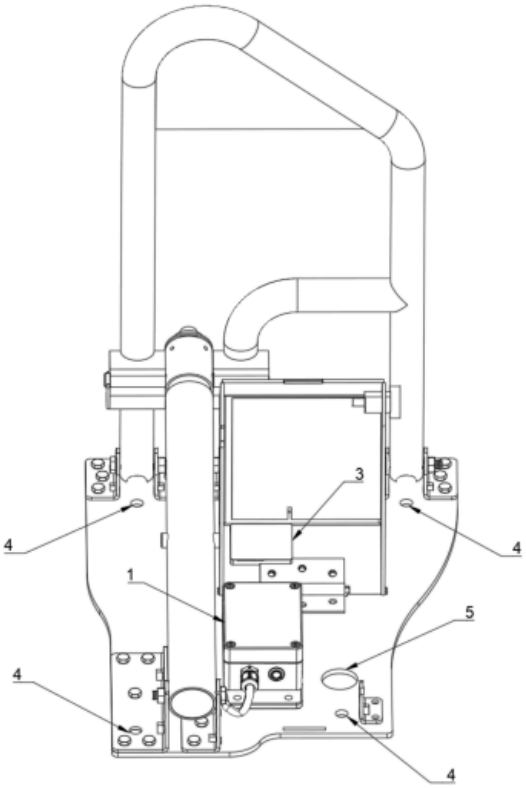
3.1. Product Components Overview



Parking barrier parts



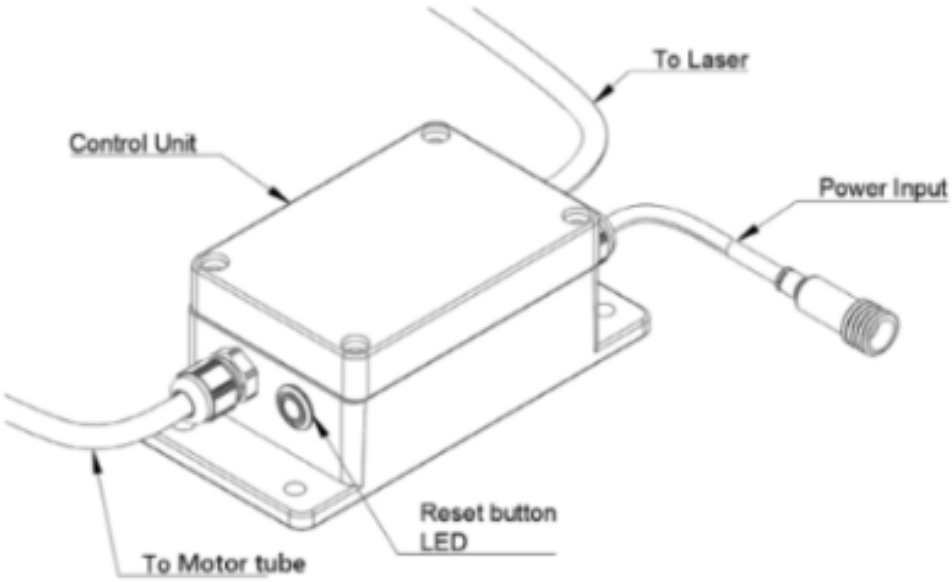
Battery powered barrier back view



Constant supply model

1. **Control Unit Electronic**
2. **Battery Pack**
3. **Laser Sensor Assembly**
4. **Mounting Holes**
5. **Cable Hole**

The control unit houses the BLE radio and is in charge of regulating the Barrier. It is linked to the actuator, the laser sensor, and the battery.

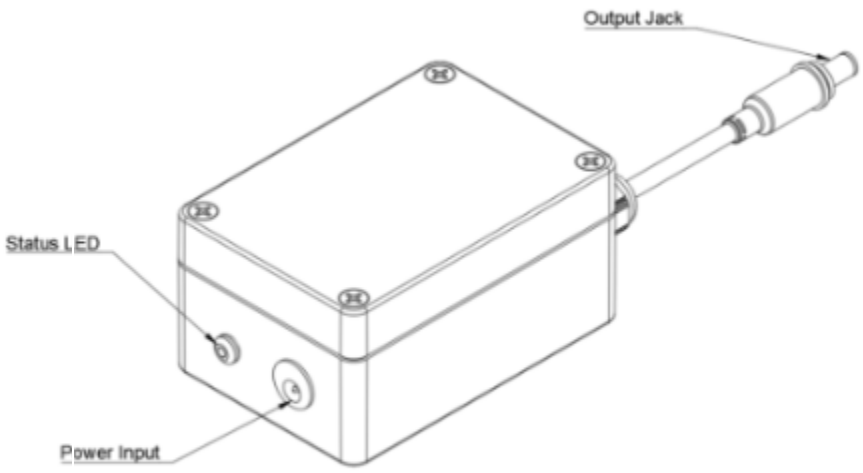


Control unit

The Parklio™ Battery Pack is a portable power source for the Parklio Smart Parking Barrier. Parklio Barriers support the use of Parklio Battery Packs and Parklio Double Battery Packs.

For enhanced sustainability and cost-efficiency, the barrier incorporates an integrated solar panel. This panel plays a significant role in increasing the battery's autonomy, offering an environmentally friendly and efficient energy solution for the automated barrier.

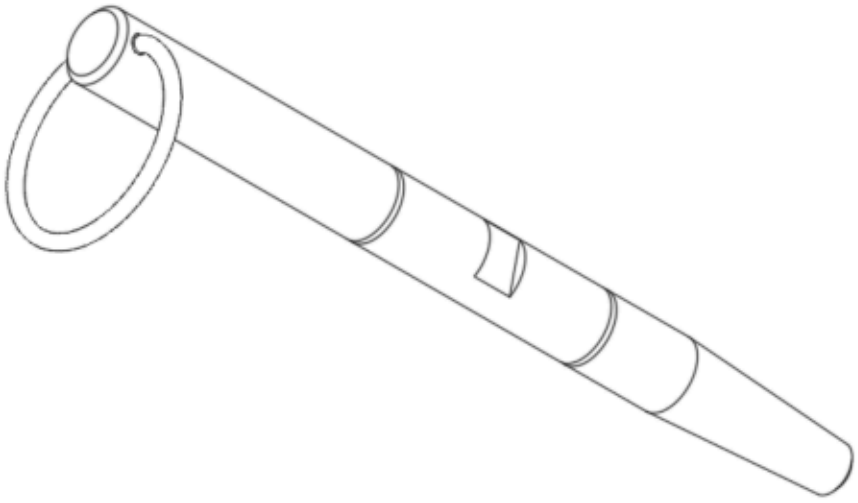
Regular recharging of the barrier's batteries is necessary to mantain optimal performance and unterupted functioning of the barrier, even though the solar panel provides extended battery life.



Battery pack

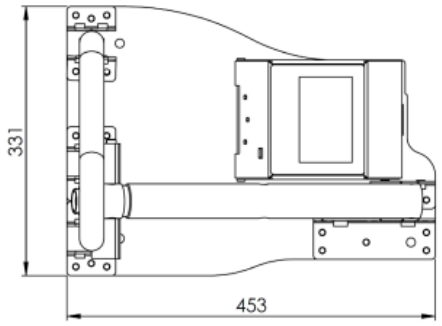
LED STATE	Description
Off	The battery pack is charged, or the battery pack is not connected to a charger.
On	The battery pack is connected to a charger and charging.
Blinking	There is an error during charging. Stop charging immediately.

The barrier uses a safety pin to connect the actuator to the barrier arch. The pin serves as a safety measure to safeguard the barrier from excessive force and allows for manual operation by removing it and lowering the barrier. The pin is designed to break into three pieces in case of excessive frontal force to the arch and can easily be replaced by a new one.

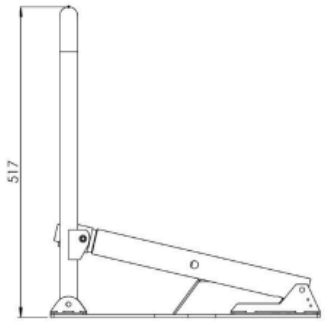


Safety pin

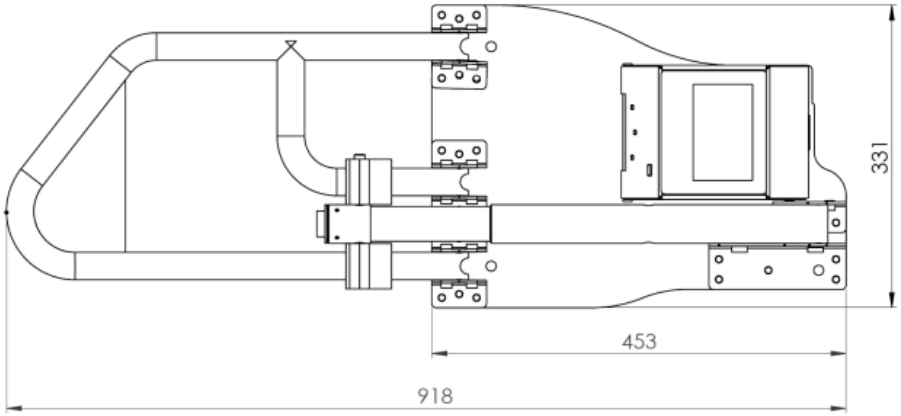
3.2. Dimensions

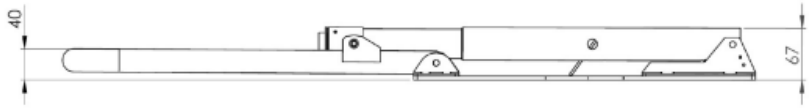


Barrier Raised - Top View



Barrier Raised - Side View





Barrier Lowered - Side View

*The dimensions depicted in the image are presented in millimeters.

3.3. Technical Sheet

The figures in this handbook are schematic, acquired in laboratories in compliance with the applicable standards, and might not exactly match the product.

These numbers may change depending on the operating circumstances and ambient factors. Technical parameters may vary without prior notice due to product quality improvements

Parameter	Value
Dimensions (barrier opened):	918 mm x 331 mm x 70 mm / **36.14 in x 13.03 in x 2.76 in**
Dimensions (barrier closed):	453 mm x 331 mm x 517 mm / **17.83 in x 13.03 in x 20.35 in**
Weight:	15.2 kg / **33.51 lbs**
Working temperature:	-20 °C to 60 °C / **-4.0 °F to 140.0 °F**
Working humidity:	5 % to 95 % RH, non-condensing
Operating altitude:	2000 m / **6561.68 ft**
Ingress protection:	IP65
Nominal travel time:	<5 s
Power supply:	Parklio battery pack Parklio double battery pack AC/DC external low voltage power supply (constant supply)
Operating voltage:	6 Vdc – 11 Vdc

Current consumption (operation):	2 A continuous, 8 A peak current
Current consumption (standby):	100 uA average standby current
Wireless connectivity:	Bluetooth LE
Over-The-Air upgrades:	Yes
Antenna interface:	Internal 2.4 GHz antenna
Sensors:	One magnetic sensor and one Class 1 laser sensor for detecting vehicle presence
Protection and coatings:	Cold dip galvanized and lacquered, powder coated Stainless steel

4. Installation

This section describes the barrier packing contents and provides detailed instructions on how to install the barrier.

4.1. Packaging Contents

Please check that the package contains all the necessary parts.

The packaging should contain the following:

- 1 x Parklio Barrier
- 1 x Parklio Battery pack (STANDARD MODEL)
- 1 x Power adapter for charging the battery (STANDARD MODEL)
- 1 x AC/DC Power supply (CONSTANT SUPPLY MODEL)
- 4 x Anchor screws
- 2 x Keys
- 1 x Safety pin
- 1 x User manual

If any of the parts are incorrect, missing, or damaged, contact your Parklio™ dealer. Keep the cardboard package, including the original packing materials, in case you need to return the product for repair.

4.2. Unpacking the Product

The Parklio Parking Barrier is shipped sealed and folded.

After opening the package, remove the smaller box and lift the barrier arch to remove the safety pin. Pull the barrier out of the box by gripping it by the base with both hands. To prevent damage, never remove the barrier from the box by pulling on the barrier arch. Place it on a flat concrete floor and unfold the barrier arch to the ground.

4.3. Preliminary Checks and Testing

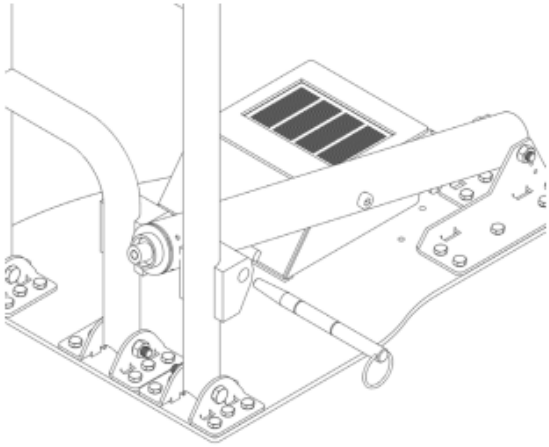
Please inspect the barrier for damage and test it before securing it to the ground.

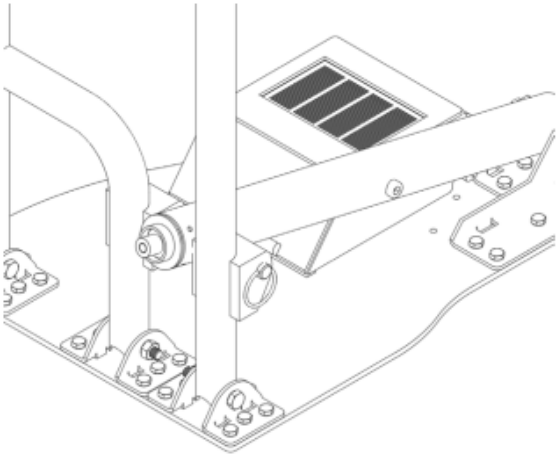
The motor tube assembly has a rising limiter that prevents you from raising the actuator too high when inserting a safety pin - causing damage to the wiring. Don't force raise it, as it will cause the rising limiter to break and result in a wiring problem that will prevent your barrier from functioning normally.

To test the barrier, insert the safety pin that connects the barrier arch to the motor tube.

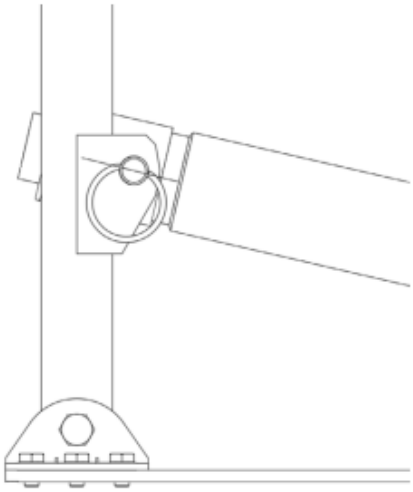
STEP 1. Unlock the motor tube by inserting the key and rotating it. The lock should pop out.

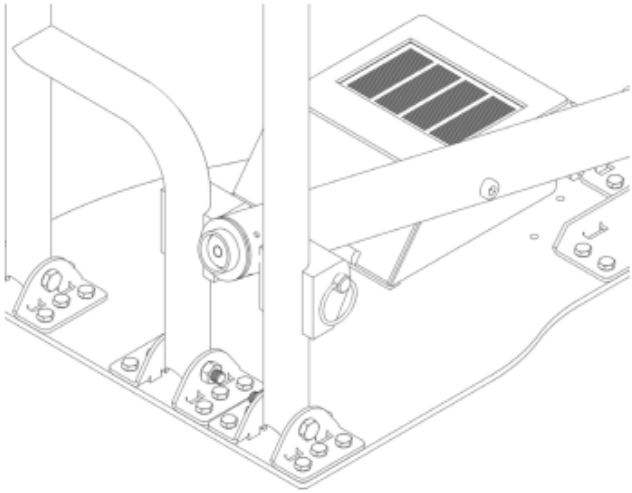
STEP 2. Raise the motor tube to the same level as the arch and insert the safety pin through both the arch and the tube.





STEP 3. Adjust the safety pin so it is positioned in a way that the notch in the safety pin is pointing at the lock. Fully insert the safety pin and slightly rotate it while depressing the lock. Close the lock with the cover.

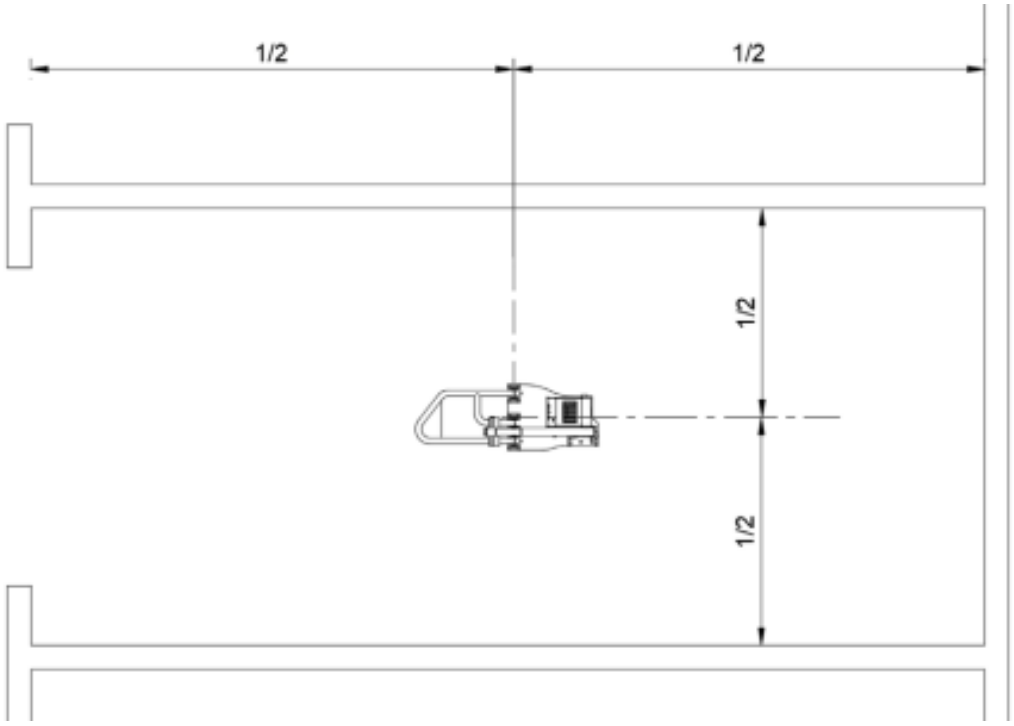




After that install Parklio Connect app as described in section 6 of the user manual and test the barrier by extending it and lowering it.

4.4. Positioning the Barrier for Installation

The graphic below is just a suggestion on where to position the barrier. We do not condition the user's setup; however, for optimum barrier operation, we suggest positioning it in such a way that the parked car covers the whole barrier while the barrier is in the open position.



4.5. Installation of AC-Powered Barrier Model

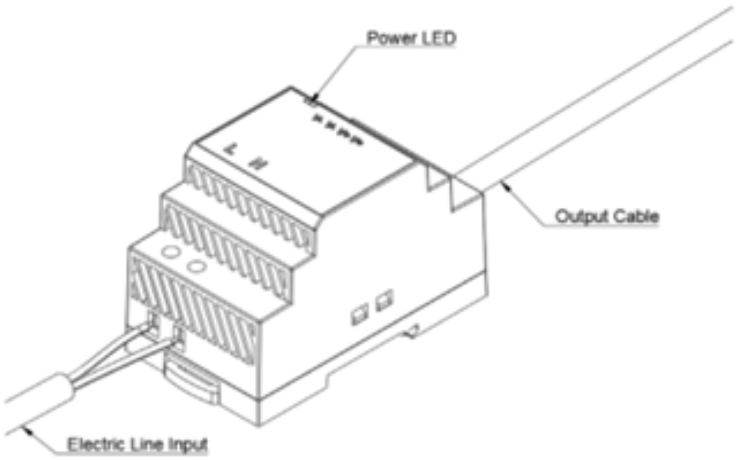
The Parklio AC-power supply Barrier model uses an AC/DC low-output voltage supply to power the Barrier. The power supply is powered from the electric line and the supply output is fed to the barrier.

The power supply replaces the battery pack. The battery pack and power supply cannot be used at the same time.

To ensure safe and proper operation, please adhere to the following guidelines:

Before connecting the power supply to the barrier, **adjust the output voltage to the lowest setting (~9.5V)** using the adjustment potentiometer on the power supply.

The output cable depicted in the image below is required to have a minimum length of 4 m. A shorter cable may lead to overvoltage at the barrier, potentially resulting in permanent damage to the control electronics.

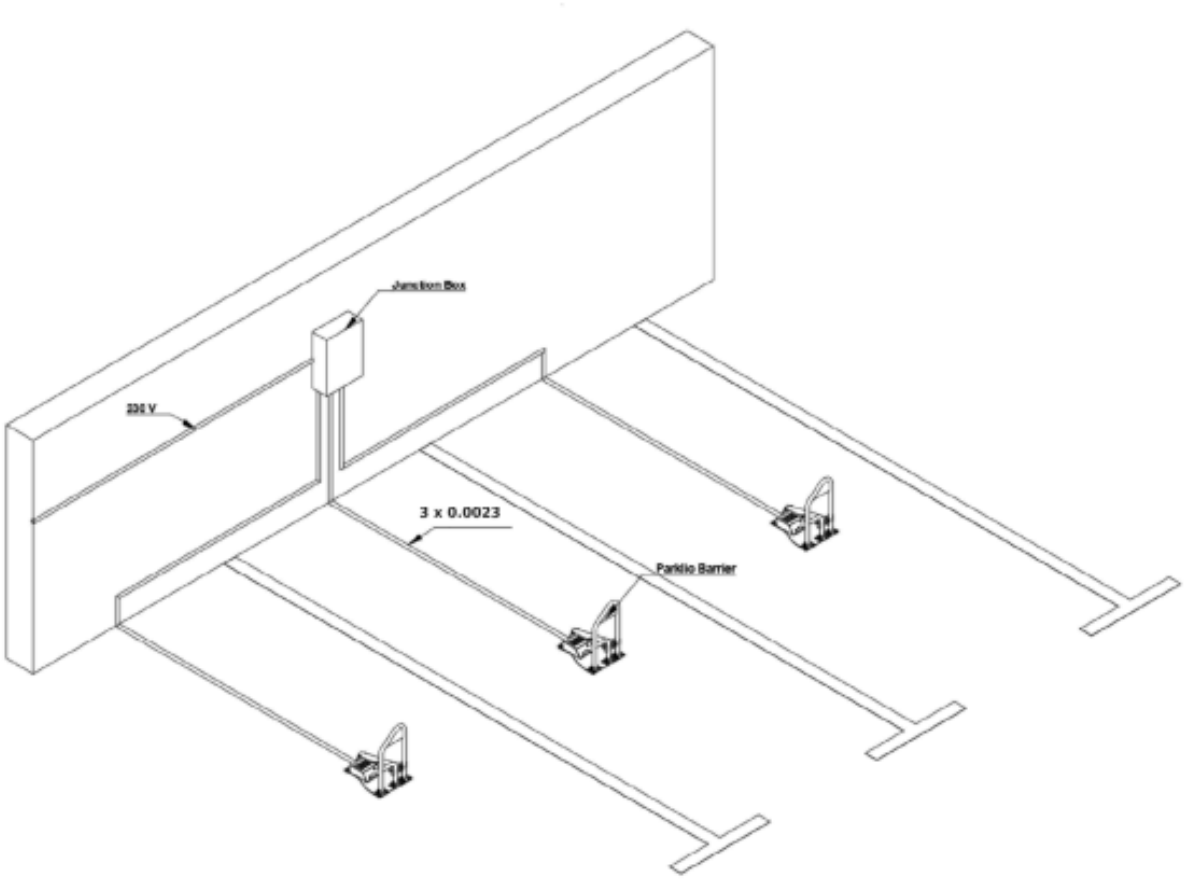


Maximum cable length is 25 m. Use a 1.5 mm cross-section cable for power delivery to the barrier.

For longer cables, you may need to increase the voltage slightly to compensate for voltage drop and ensure proper functionality of the barrier.

Each barrier must be fed by its own power supply and by a separate cable. One supply cannot be used for multiple barriers.

Failure to follow these instructions may result in permanent damage to the device.



The illustration above is only an example of installing the barrier with a constant supply. The final used setup is dependent on the environment. Disconnect all power while installing the barrier.

Required tools and equipment:

- Drill
- Hammer
- 10 mm masonry carbide drill bit
- 13 mm socket wrench
- PH1 insulated screwdriver
- H0 or 2 mm flat insulated screwdriver

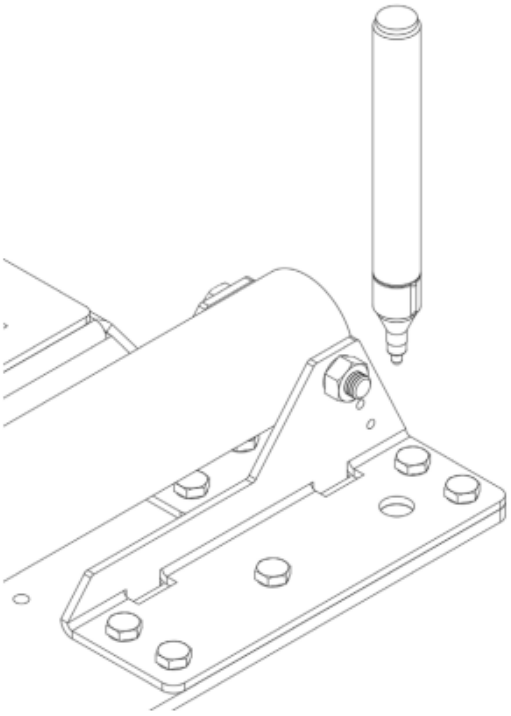
Do not attempt to secure the Parklio Barrier in any other way than described in this user manual because any different kind of securing the barrier (ex. like fixing it to the ground with concrete) can cause problems for the moving parts of the barrier. The Parklio Barrier must be installed on a solid surface by placing anchor screws as outlined here.

4.5.1 Mounting the Base

The below steps only apply if you are installing the barrier on a hard concrete surface. If installing the barrier on different surfaces, please advise the manufacturer of the best practices and tools for installation.

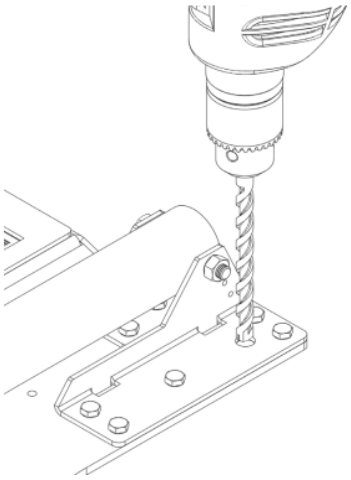
STEP 1. Position the barrier in accordance with the above instructions.

STEP 2. Mark the four mounting holes.

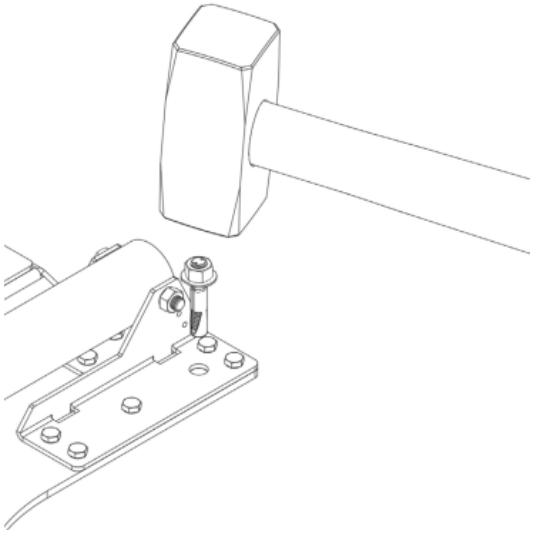


STEP 3. Drill the holes for the anchor screws. Clear the holes of any dust.

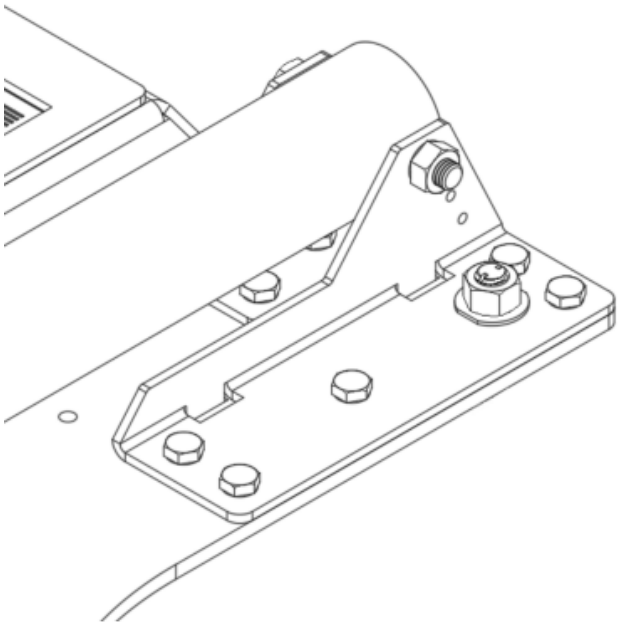
Tip: You can skip marking the holes and use the barrier base as the template. Make sure that the barrier base doesn't move while you drill, so you don't damage it.



STEP 4. Place the barrier and align the mounting holes with the drilled spots. Insert the anchor screws by tapping them with a mallet.



STEP 5. Tighten the anchor screws with a socket wrench.

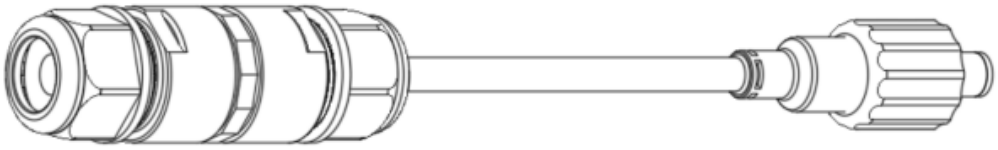


4.5.2. Installing the Power Supply

The power supply must be fed by a 230 V / 50 Hz or 120 V / 60 Hz electric line, protected by a differential magnetothermal switch complying with the law provisions in force. Connect the electric line wires to terminals L and N on the power supply. Connect the power supply + and - terminals to the cable leading to the barriers.

STEP 1. Bring the necessary infrastructure to the barrier. Feed the supply cable through the barrier base.

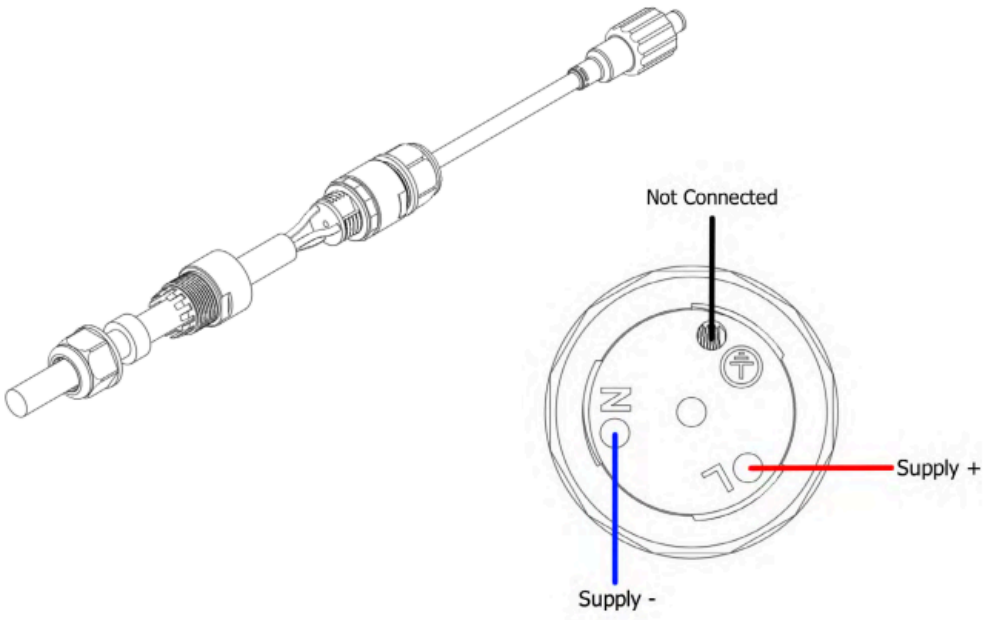
STEP 2. The barrier is provided with an adapter cable for connecting it to the constant supply. Disassemble the adapter.



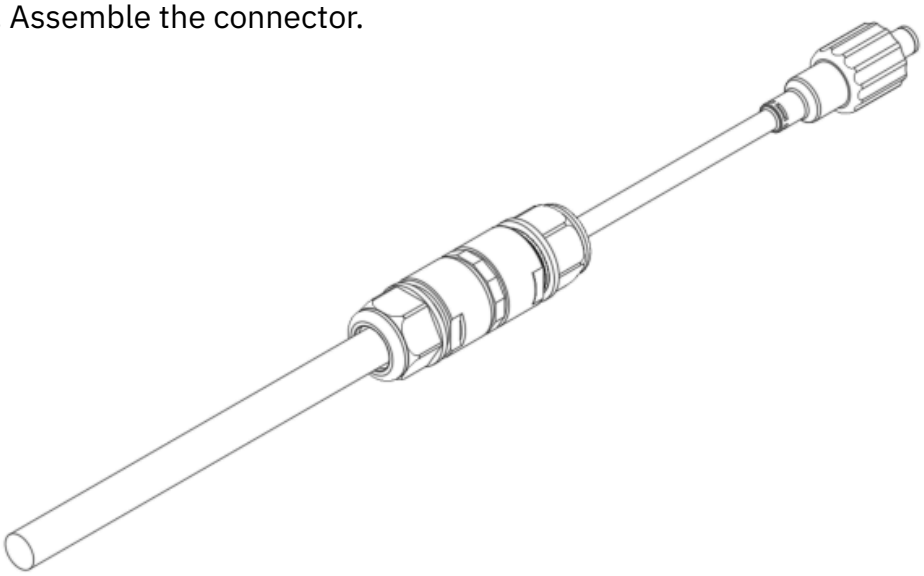
STEP 3. Insert the power cable and connect it as shown.

The supply is polarity sensitive; use caution when connecting the cable to the power supply and connector.

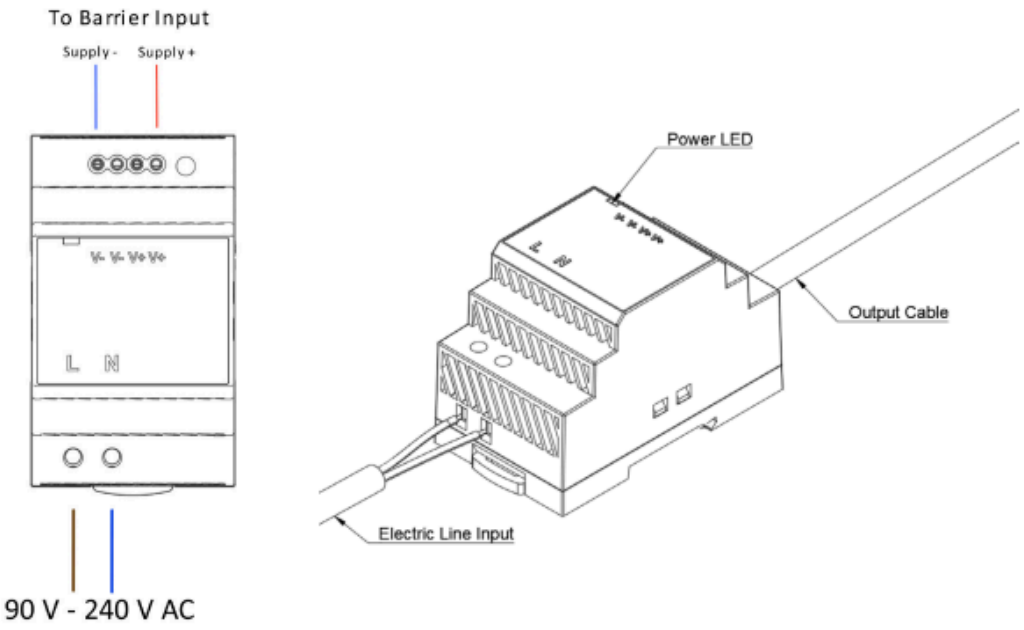
Maintain the same polarity on the connector and the power supply



STEP 4. Assemble the connector.



STEP 5. Connect the power supply to the cable running to the barrier.



STEP 6. Connect the power supply to the electric line.

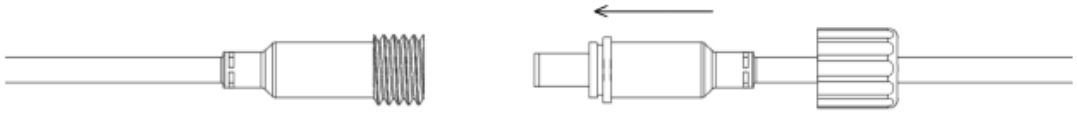
Disconnect all power while installing the barrier power supply. Make sure the electric installation is adequately protected and installed according to the laws in force.

STEP 7. Turn on the power. The LED on the power supply should power on indicating that the supply is functioning.

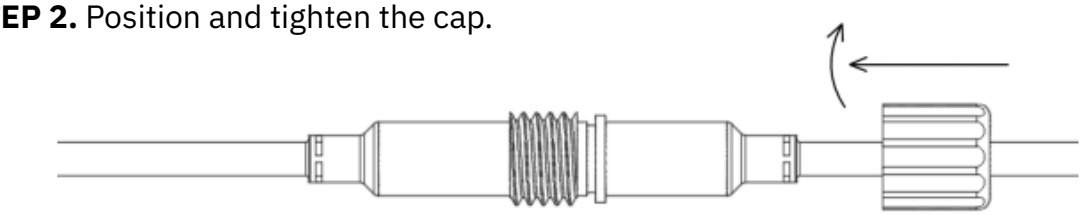
STEP 8. Connect the power supply jack to the barrier.

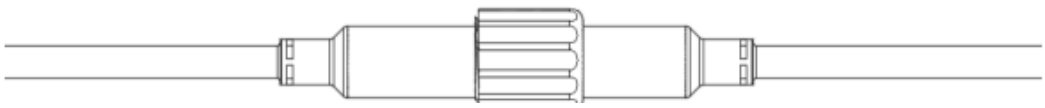
4.5.3. Connecting the Power

STEP 1. Plug in the power supply jack to the control unit input.



STEP 2. Position and tighten the cap.





4.5.4. Final Steps

After connecting the power supply, perform the initial setup of the barrier through the mobile application as described in this manual (Chapter 7). Lower the barrier cover and lock it. The barrier is ready for use.

4.6. Installation of Standard Barrier Model

Within this section of the user manual, you'll find comprehensive instructions for configuring your Standard Parking Barrier model.

The inclusion of an integrated solar panel substantially enhances the battery's autonomy within the automated barrier, providing a cost-effective and eco-friendly power source.

Required tools and equipment:

- ➔ Drill
- ➔ Hammer
- ➔ 10 mm masonry carbide drill bit
- ➔ 13 mm socket wrench

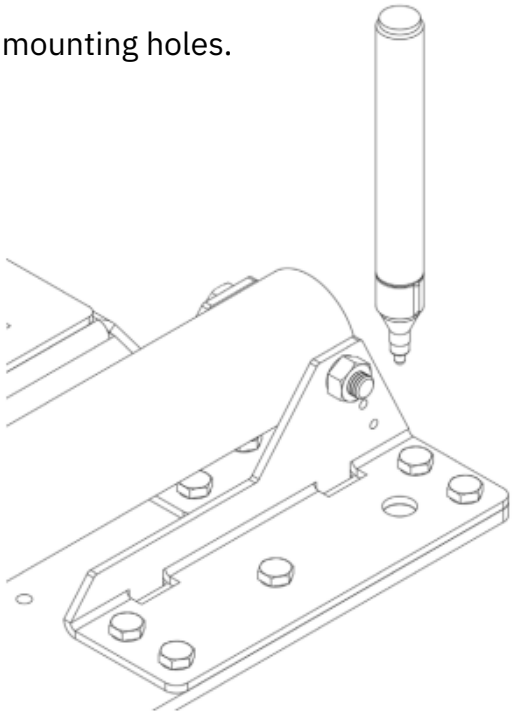
Do not attempt to secure the Parklio Barrier in any other way than described in this user manual because any different kind of securing the barrier (ex. like fixing it to the ground with concrete) can cause problems for the moving parts of the barrier. The Parklio Barrier must be installed on a solid surface by placing anchor screws as outlined here.

4.6.1 Mounting the Base

The below steps only apply if you are installing the barrier on a hard concrete surface. If installing the barrier on different surfaces, please advise the manufacturer of the best practices and tools for installation.

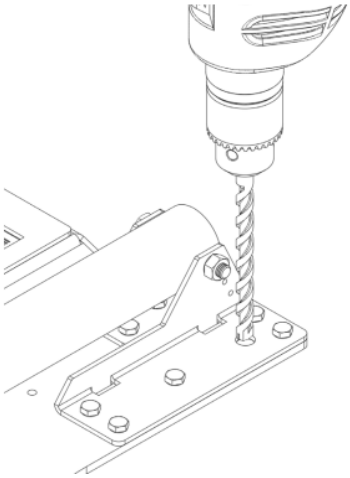
STEP 1. Position the barrier in accordance with the above instructions.

STEP 2. Mark the four mounting holes.

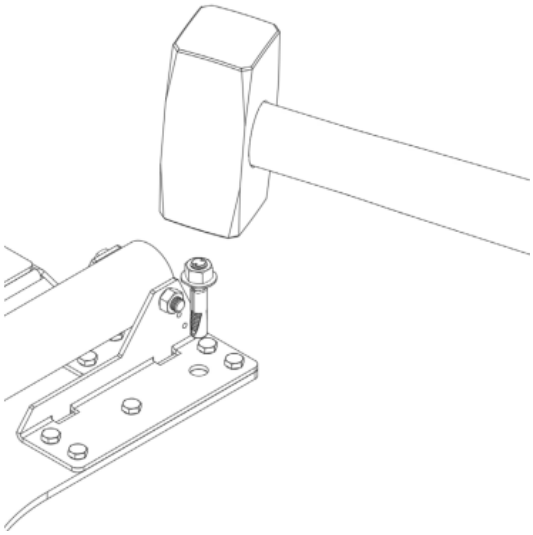


STEP 3. Drill the holes for the anchor screws. Clear the holes of any dust.

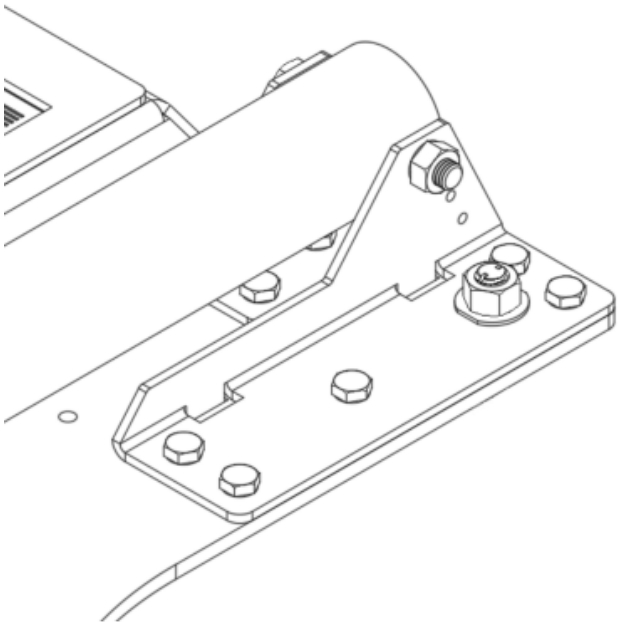
Tip: You can skip marking the holes and use the Barrier base as the template. Make sure that the Barrier base doesn't move while you drill, so you don't damage it.



STEP 4. Place the barrier and align the mounting holes with the drilled spots. Insert the anchor screws by tapping them with a mallet.



STEP 5. Tighten the anchor screws with a socket wrench.



4.6.2 Inserting the Battery

To install the battery pack, align the Parklio Battery Pack with the Control Unit and attach it to the Barrier base using the velcro joint on the bottom of the battery pack and on the barrier.

Take caution to plug the charging port input to prevent water ingress.

4.6.3. Final Steps

After installing the battery pack, perform the initial setup of the Barrier through the mobile application as described in this manual (Chapter 6). Lower the barrier cover and lock it. The barrier is ready for use.

5. Controlling the Barrier

The Parklio™ Barrier is designed to provide seamless access control with advanced management options tailored to various operational needs. Depending on your preferences, the barrier can be controlled using one or more of the following methods:

➔ **Smartphone Control via Parklio Connect App:** Manage your barrier effortlessly using Bluetooth connectivity, eliminating the need for an internet connection. The Parklio™ Connect App enables real-time barrier operation with a simple tap and allows digital key sharing with customizable access durations.

➔ **Dedicated Remote Controller:** For users who prefer a traditional approach, the remote controller provides a simple and reliable way to operate the barrier remotely.

➔ **Centralized Management with Parklio PMS:** The Parklio™ Parking Management System (PMS) allows full control over multiple barriers from a single platform. Manage user access, track reservations, and monitor system performance remotely via the cloud.

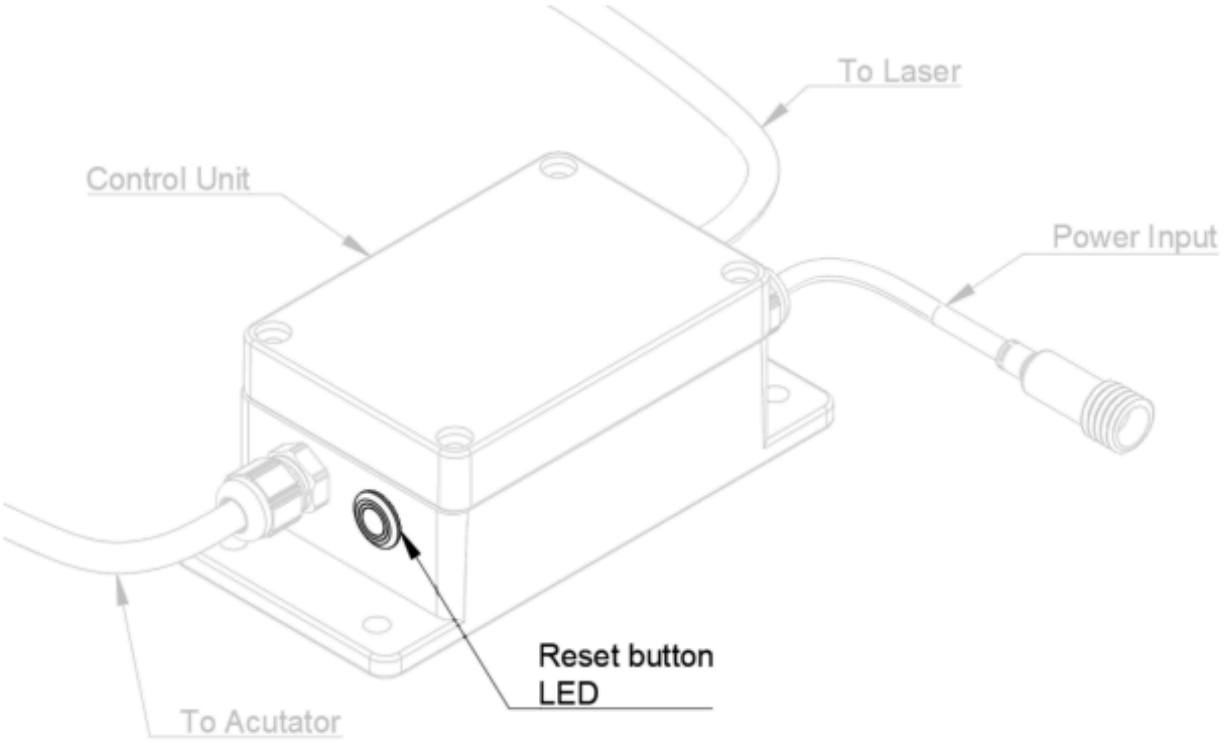
Each control method is designed to accommodate different operational requirements, ensuring the Parklio™ Barrier can be configured to meet diverse access control needs.

To fully understand and utilize the available features, refer to the corresponding user manuals, which provide step-by-step instructions, detailed explanations, and troubleshooting tips.

To ensure you always have access to the latest features and improvements, regularly visit the Parklio Support Page for updated user manuals and additional resources. Staying informed on new access control solutions will help optimize your Parklio™ Barrier for a seamless and secure parking experience.

5.1. Barrier Key Reset

The Barrier digital key is set once the Barrier is added to a user account. This key can only be removed by resetting it. **The reset is done by pressing and holding the Reset button for 3 seconds until the green LED lights up.** When the Barrier is in the reset state it can be added again to a user account via the Parklio Connect application.

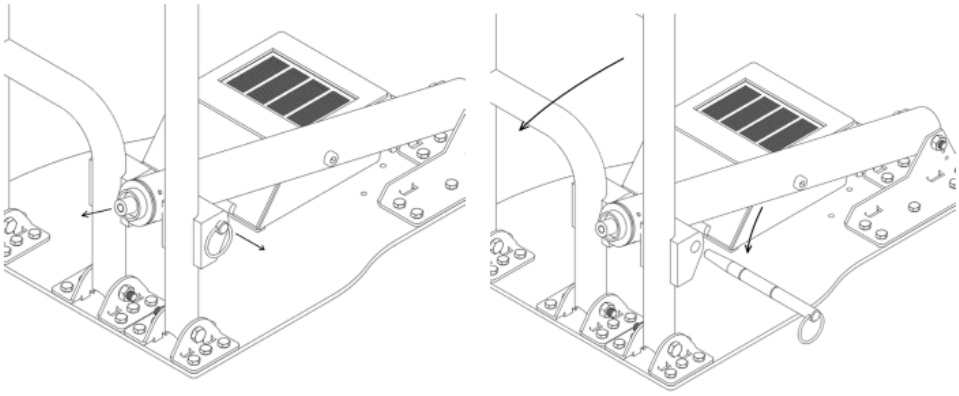


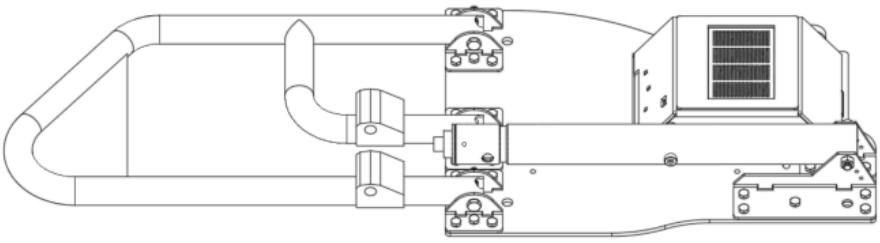
Resetting the Barrier digital key will cause all the shared guest keys and the owner key to be unusable. It will be necessary to resend all guest keys individually.

5.2. Manual Barrier Control

To manually open the barrier, unlock the safety pin lock using the provided key, afterer that remove the safety pin while holding the barrier arch and actuator in place. Gently lower the actuator and the barrier arch.

To restore normal functionality just install the safety pin back.





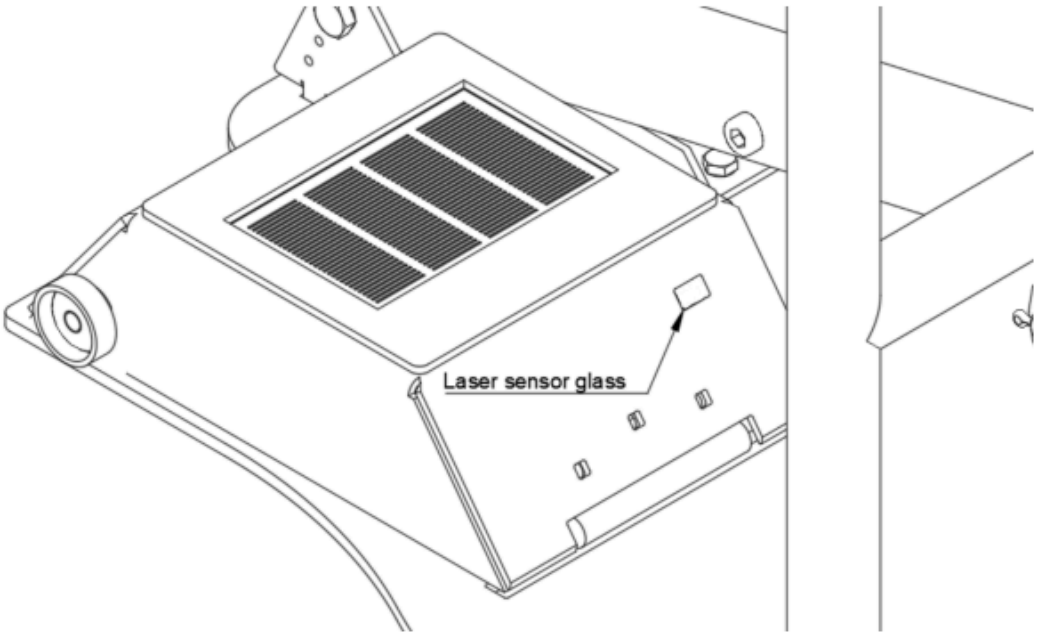
6. Cleaning and maintenance

Prior to initiating any cleaning or maintenance procedures for the device, it is essential to disconnect the power supply.

Children should not clean nor maintain the barrier without proper supervision.

6.1. Cleaning the Laser Sensor

Continued use of the device may result in the accumulation of dirt particles, mud, water stains, and other impurities that can obstruct the laser sensor's view. This may lead to undesired product behavior. To clean the laser sensor remove any obstructions by hand and clean the laser sensor glass cover with a clean cloth. You may use isopropyl cleaning alcohol (IPA) to clean the glass of any stains.



6.2. Cleaning the Inside of the Barrier Cover

The inside of the barrier cover should only be cleaned with a clean dry cloth and a dust brush.

6.3. Cleaning the Barrier Exterior

The outside of the barrier may be cleaned with water, and in the case of bigger stains with a detergent without abrasive properties. Remove any obstacles around and from the barrier that may obstruct normal functioning, like clumps of leaves or branches.

6.4. Replacing the Safety Pin

In case of excess force, the Parklio Smart Parking Barrier has a safety pin to prevent damage to any other parts. The pin is designed to break into three parts.

In the case of a broken safety pin, a replacement pin is needed for the barrier to operate normally.

To replace the safety pin, first unlock the safety pin lock, after that remove any broken pieces of the old safety pin. Insert the new safety pin as already described in the manual (Chapter 4.3. Preliminary Checks and Testing).

7. Disposal of the device

We use environmentally friendly materials for packaging that can be recycled, deposited, or destroyed without any hazard to the environment. For this purpose, the packaging materials are appropriately labeled.

The symbol on the product or on its packaging signifies that this device should not be handled like ordinary household waste. Take this product to a suitable collection point for electrical and electronic equipment recycling.

Take out the worn battery from the barrier and dispose of it at a suitable place. The proper way of disposing of the barrier will help you to prevent possible negative consequences and impacts on the environment and human health that could occur in the event of improper disposal of the barrier. For more detailed information on disposing and processing the barrier, contact your local waste disposal service, utility company, or the store where you purchased the barrier.

8. Declaration of Conformity to RED

Declaration of Conformity

CE

Under our sole responsibility, we declare that the following product:

Parklio Smart Parking Barrier Model X

Fulfills the essential requirements of the RED directive 2014/53/EU

The following standards were applied:
ETSI EN 301 489-1 V2.2.3 (2019-11)
ETSI EN 301 489-17 V3.2.4 (2020-09)

Authorized Signature

PARKLIO d.o.o. SPLIT

Address: Stinice 12, 21000 Split, Croatia
Manufacturer: Parklio d.o.o.

I, the Manufacturer, hereby declare that the equipment as tested is representative manufacturing tolerance limits

9. Declaration of Conformity to FCC

This device complies with Part 15 of the FCC Rules. The operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

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 taking one 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 or TV technician for help.

Changes or modifications to this product not authorized by the manufacturer could void the electromagnetic compatibility (EMC) and wireless compliance and negate your authority to operate the product.

This device meets the government’s requirements for exposure to radio waves. This device is designed and manufactured not to exceed the emission limits for exposure to radio frequency (RF) energy set by the Federal Communications Commission of the U.S. Government.

10. Declaration of Conformity to ISED

This device complies with Industry Canada license exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes: (1) l'appareil ne doit pas produire de brouillage, et (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le Fonctionnement.

Under Industry Canada regulations, this radio transmitter may only operate using an antenna of a type and maximum (or lesser) gain approved for the transmitter by Industry Canada. To reduce potential radio interference to other users, the antenna type and its gain should be so chosen that the equivalent isotropically radiated power (e.i.r.p.) is not more than that necessary for successful communication.

Conformément à la réglementation d'Industrie Canada, le présent émetteur radio peut fonctionner avec une antenne d'un type et d'un gain maximal (ou inférieur) approuvé pour l'émetteur par Industrie Canada. Dans le but de réduire les risques de brouillage radioélectrique à l'intention des autres utilisateurs, il faut choisir le type d'antenne et son gain de sorte que la puissance isotrope rayonnée équivalente (p.i.r.e.) ne dépasse pas l'intensité nécessaire à l'établissement d'une communication satisfaisante.