BRNKL Mate

Setup Guide

BRNKL

Get more help at **brnkl.io/help**

Contents

BRNKL Mate

Connect wireless devices, an additional camera, or a satellite device by adding a BRNKL Mate to your BRNKL.

BRNKL

+

Mate

Connect:

Wireless
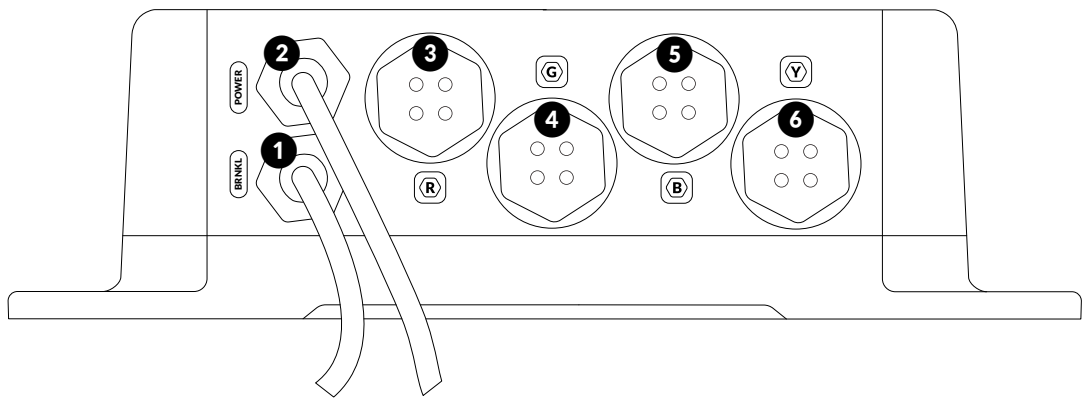devices

1
Camera

2
Second camera

Satellite device

Meet your Mate

1. BRNKL cable 🔲
2. Power cable
3. Red port Ⓡ
4. Green port Ⓑ
5. Blue port Ⓖ
6. Yellow port Ⓨ
7. Status indicator light

Add a Mate

Add a BRNKL Mate to your BRNKL.

Follow these steps:

Before you start

What you need

1 Install Mate

2 Prepare Mate power cable

3 Connect Mate

4 Connect camera to Mate

5 Link Mate

Before you start

Caution

If you're unfamiliar with basic electrical systems, hire a professional installer or a marine electrician.

Warning

Disconnect all AC power sources before accessing electical panels, switches, or devices.

What you need

You need these things to add a BRNKL Mate to your BRNKL:

In the box

- BRNKL Mate
- Mounting screws (4)
- Quickstart guide

Devices

- BRNKL, setup complete

  > Mate-compatible model (2021 or later)

- iOS or Android™ mobile device, connected to internet

  > BRNKL 5.x or later

Services

- BRNKL user account and password
- BRNKL service subscription

Tools

- 2.5 mm flathead screwdriver

  > Included with BRNKL

- Phillips #2 screwdriver
- Wire stripper and crimper tool

You may need:

- Flashlight or headlamp

Supplies

- cable ties
- cable tie mounts
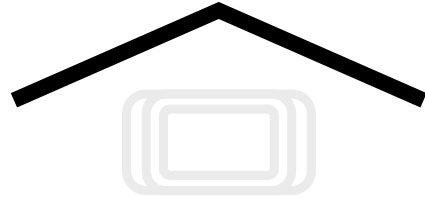
Install Mate

Position and mount the BRNKL Mate.

To install the Mate, follow these steps:

① Select postion

② Mount and secure

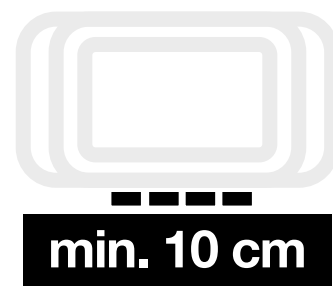## ① Select position

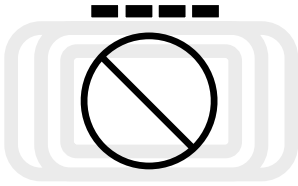Follow these guidelines:

- Place indoors.

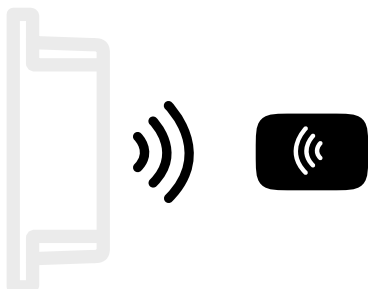- If using standard cables, place within 30 cm (12") of your BRNKL.

- Ensure a stable mounting surface.
- Allow 10 cm (4") clearance to access the ports on the bottom of the Mate.

- Avoid placement with ports facing up.
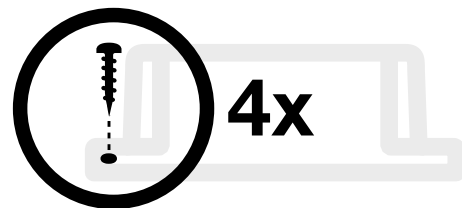

- Face toward planned wireless sensors.

② **Mount and secure**

1. Align the Mate in the selected position.

2. Mark the screw holes.

   On hardened surfaces, drill pilot holes as required.

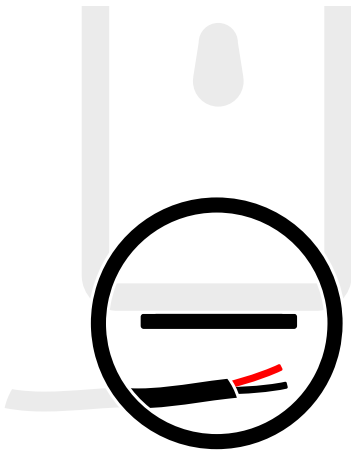
3. Secure with four supplied screws.

Prepare Mate power cable

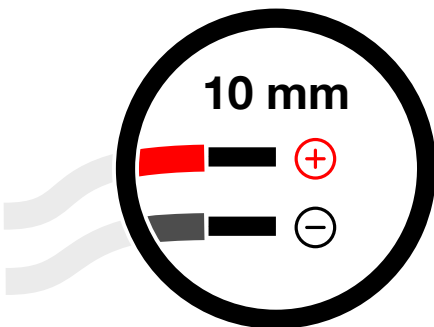Get the BRNKL Mate power cable ready to connect to your BRNKL.

To prepare Mate power cable:

From the Mate:

1. Run the **POWER** cable to the green **connector** on the bottom of the BRNKL.

2. Leave 5 cm (2") of extra cable, then trim any extra wire.

3. Strip 5 mm (1/4") of insulation from the ends of the **red** ⊕ and **black** ⊖ wires.

Connect Mate

Connect the BRNKL Mate to your BRNKL.

To connect the Mate, follow these steps:

1. Connect to power
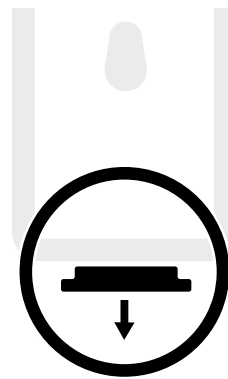2. Disconnect camera
3. Connect to BRNKL

① Connect to power

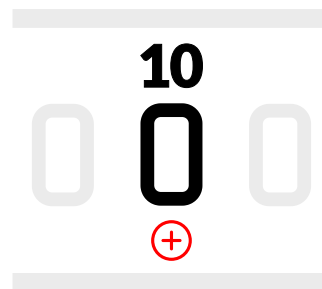Connect the **POWER** cable to the BRNKL **connector**.

> ⚠ Don't remove existing wires.

1. On the bottom of the BRNKL, remove the green **connector**.
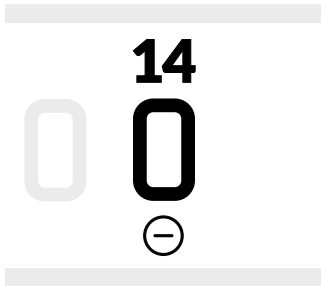

2. On the connector, loosen the screw above **slot 10** and insert the **red ⊕ POWER** cable wire.
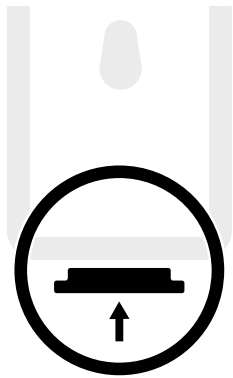

Tighten the screw to fasten.

3. Loosen the screw above **slot 14** and insert the **black ⊖ POWER** cable wire.

Tighten the screw to fasten.

4. Reattach the **connector**.

5. On the Mate, check the **status indicator light**.

> If the light **blinks red**, the Mate is powered.

> If the light is **off**, check the BRNKL power connection.
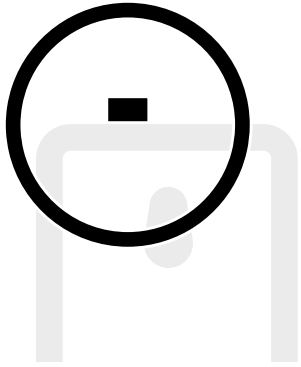
6. Secure the cable with cable ties and mounts.

② Disconnect camera

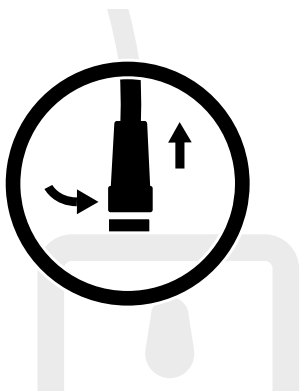> ⓘ Skip this step if no camera is connected to the BRNKL.

On the top of the BRNKL:

1. Find the **device port** ⊡.

2. Unplug the camera cable.

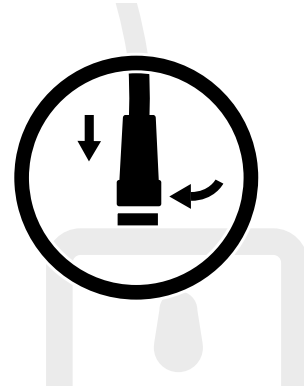   Loosen the collar, then pull to remove.

③ Connect to BRNKL

On the top of the BRNKL:

1. Plug the **BRNKL** cable into the **device port** ⊡.

   Turn the collar to fasten.

2. Secure the cable with cable ties and mounts.

Connect camera to Mate
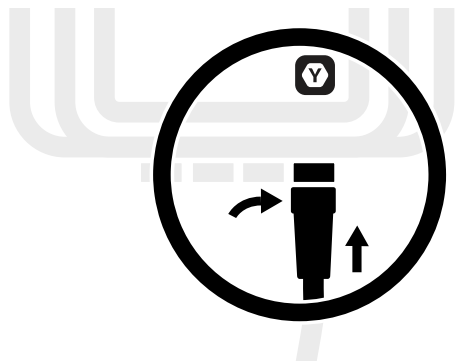
Connect up to two cameras to your BRNKL Mate.

Do one of the following:

Connect first camera

On the Mate:

1. Plug the camera cable into the **yellow port** Y.

    Turn the collar to fasten.
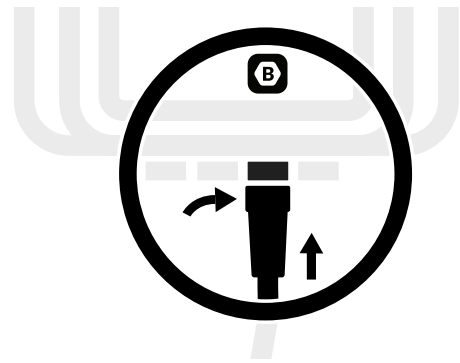

2. Secure the cable with cable ties and mounts.

Connect second camera

On the Mate:

1. Plug the camera cable into the **blue port** B.

    Turn the collar to fasten.

2. Secure the cable with cable ties and mounts.

Link Mate

Link the BRNKL Mate with your BRNKL.

Connect the Mate to the BRNKL before linking.
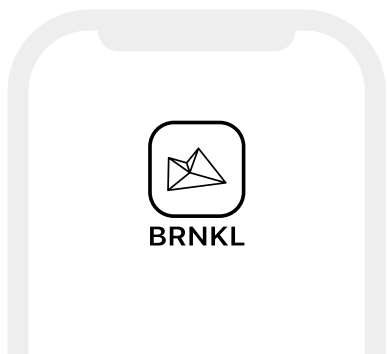
To link Mate with BRNKL:

1. On your mobile device, make sure that **Bluetooth®** is turned on.

   Don't pair the mobile device with the Mate.

ON
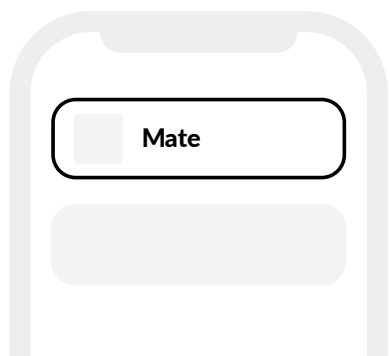

Stay **within 5 m** (15 ft) of the Mate while linking.

2. Open **BRNKL**.

BRNKL

3. From **Settings**, select **Add device**.
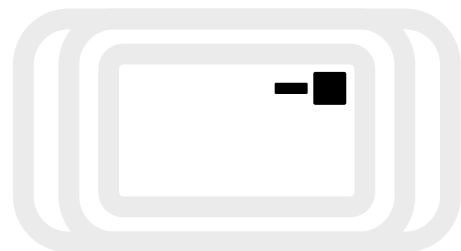

+ **Add device**

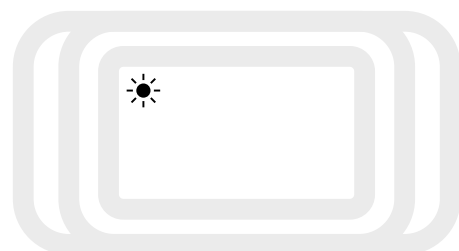4. Select **BRNKL Mate**.

Mate

5. Scan the **QR code** or enter the **serial number** printed on the Mate.

   Follow the instructions.

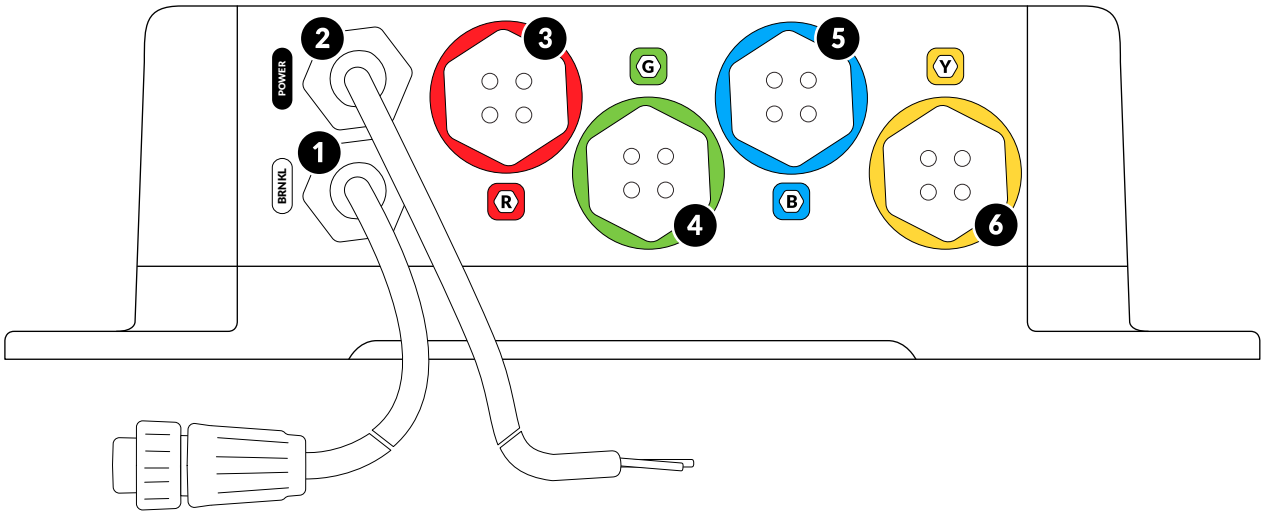6. On the Mate, check the **status indicator light**.

> If the light **blinks green**, the Mate and BRNKL are linked.

> If the light **blinks red**, the Mate isn't linked. Stay within 5 m (15 ft) of the Mate while trying again.

Reference

- Mate connections (page 17)

Mate connections

	Terminal		Connection	
1	BRNKL	0	BRNKL Device port ⊙	
2	POWER ——(+)		Constant 12-24V DC fuse-protected power	
	POWER ——(−)		Common ground	
3	R		Satellite device	
4	G		Multipurpose	
5	B		Camera 2	
6	Y		Camera 1	

Legal

FCC / Industry Canada Notices

This device complies with Part 15 of the FCC Rules. 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. Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Note: This equipment has been tested and found to comply with the limits for a Class A 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 one or more 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/TV technician for help.

This device complies with Industry Canada's licence-exempt RSSs. 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 fonctionn1ement.

CAN ICES-3 (A)/NMB-3(A) – This Class A Digital Apparatus Complies with Canadian ICES-003.

Cet Appareil numerique de la classe (A) est conforme a la norme NMB-003 du Canada.

Warranty, terms and conditions

For warranty, terms and conditions,
go to **brnkl.io/terms**

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