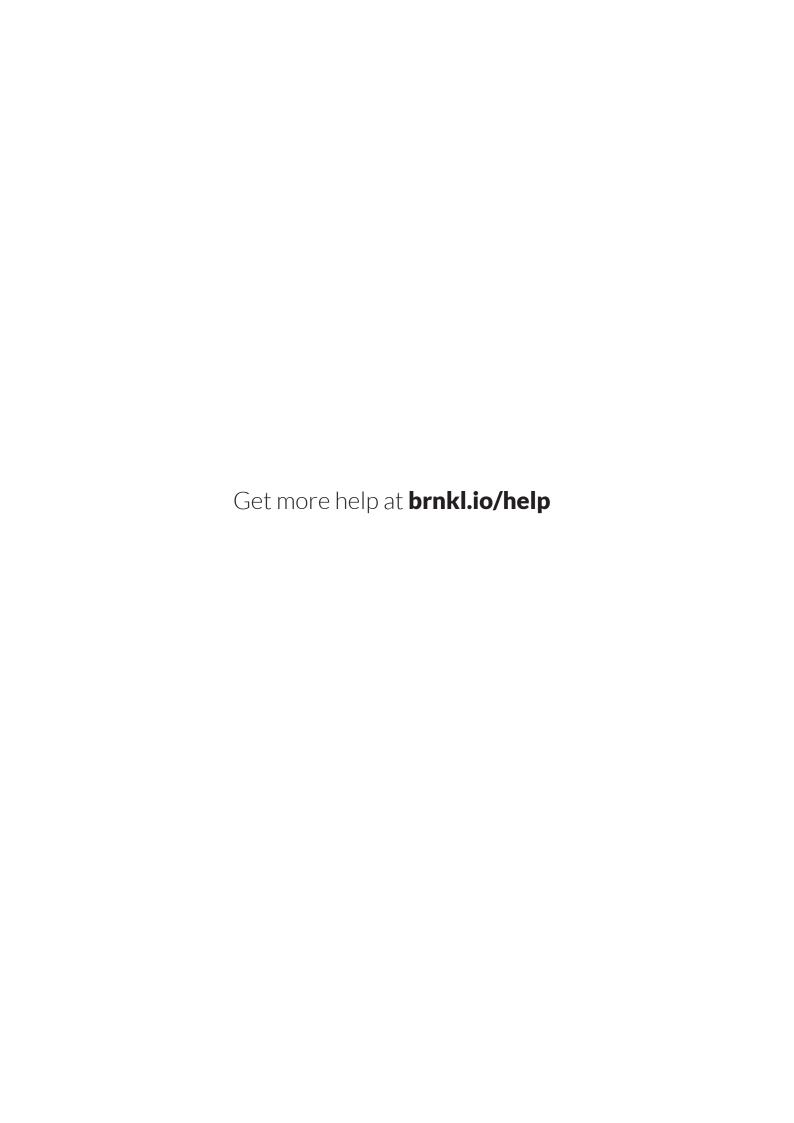


# **BRNKL Rapid Deploy AC**

Setup Guide





# Before you start



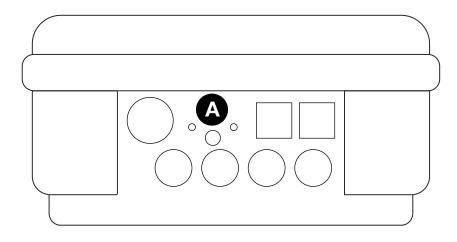
Caution: If you're unfamiliar with basic electrical systems, hire a professional installer or a marine electrician.

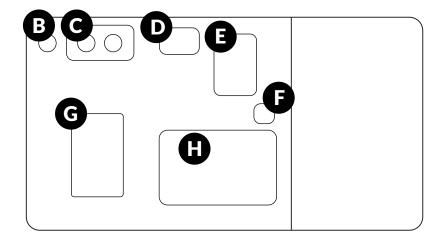
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# Meet BRNKL Rapid Deploy AC





- A Connection panel
- **B** Activity indicator
- **c** Switch panel
- Fuse panel

- **E** Solar charge controller
- **F** AC charge indicator
- **G** Information label
- BRNKL

# Setup options

Select the devices to include in your BRNKL Rapid Deploy AC setup.



#### **Basic setup**



**BRNKL Rapid Deploy** | Know temperature, humidity, barometric pressure, pitch angle, heel angle, and impact.

**Antenna** | Know your BRNKL position and stay connected when you deploy within mobile network coverage.

**Power source** | Charge your Rapid Deploy using either a solar panel or an AC outlet.



#### Satellite device

Stay connected when you deploy your BRNKL outside the range of mobile networks.



#### Float switch

Know when a water level changes.



#### **Door sensor**

Know when a door opens.

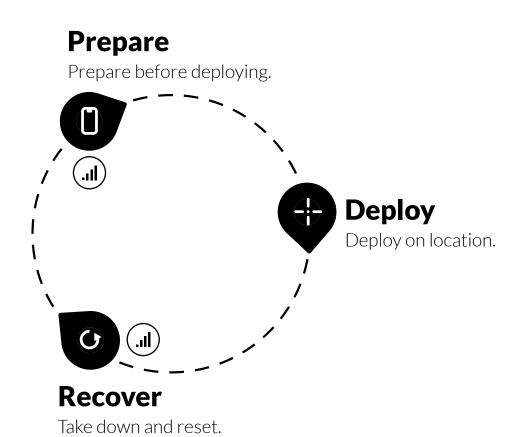


#### Camera

Check in and to see what's going on.

# Setting up **BRNKL Rapid** Deploy

Follow these steps to prepare, deploy, and recover your BRNKL Rapid Deploy:



# Prepare

Prepare your BRNKL Rapid Deploy AC before deploying on location.

Follow these steps:

#### What you need

- **Charge battery**
- **Connect to mobile network**
- Add to fleet
- **Change BRNKL name**
- **Prepare for devices**
- **Set up monitoring and alerts**
- Arm and disconnect



Mobile network coverage required.

# What you need

You need these things to prepare your BRNKL Rapid Deploy AC for deployment:

#### **BRNKL** devices

- BRNKL Rapid Deploy AC
  - > Serial number, password
- Antenna

#### You may need:

- RockBLOCK+ satellite device
  - > Compatible cable
  - > Paired with BRNKL Rapid Deploy
- Float switch
  - > Compatible cable
- Door sensor
  - > Compatible cable
- Camera

#### Mobile device

- iOS or Android<sup>™</sup> mobile device
  - > Connected to internet
  - > BRNKL app installed

#### **Services**

- BRNKL user account, password
- BRNKL Rapid Deploy service subscription

#### **Tools**

- Extension cord, AC 120-240V
  - > Choice of length
  - > 3-prong female plug

## **Charge battery**

Keep your BRNKL Rapid Deploy battery charged and ready to deploy.

#### To charge battery, follow these steps:

- (1) Connect AC power
- **2** Check AC charging status

#### 1 Connect AC power

Connect an AC power outlet to your BRNKL Rapid Deploy.

To connect AC power, follow these steps:

#### A | Turn off solar

1. Inside the Rapid Deploy, find the switch panel.

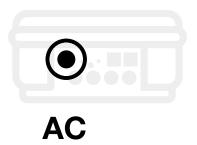


2. On the panel, switch **SOLAR** to **OFF.** 



#### **B** | Connect extension cord

1. On the connection panel, find the AC port.

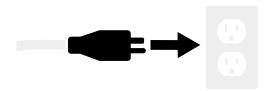


2. Lift the port cover, then plug in the female extension cord plug.



#### C | Plug into outlet

• At the AC power outlet, plug in the male extension cord plug.



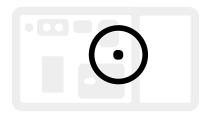
#### (2) Check AC charging status

Know the AC power charging state of your BRNKL Rapid Deploy battery.

#### To check AC charging status:

Inside the Rapid Deploy:

1. Find the AC charge indicator.



2. Check the indicator light:



- > If the light is **solid green** the battery is fully charged.
- > If the light is **pulsing green** the battery is almost charged.
- > If the light is **pulsing red** the battery is low and charging.
- > If the light is **off,** AC power isn't connected. Check the power cable connections, then check again.

# **Connect mobile** network

Connect the mobile network to your BRNKL Rapid Deploy.

#### To connect the mobile network. follow these steps:

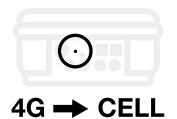
- (1) Connect mobile antenna
- 2 Turn on battery power

#### (1) Connect mobile antenna

Prepare your BRNKL Rapid Deploy to connect to the mobile network.

#### To connect mobile antenna:

- 1. On the antenna, find the cable labelled 4G.
- 2. On the connection panel, plug the **4G** cable into the **CELL** port.



3. Turn the collar to fasten.



#### **2** Turn on battery power

Power your BRNKL Rapid Deploy using the built-in battery.

#### To turn on battery power:

Inside the Rapid Deploy:

1. Find the switch panel.



2. On the panel, switch on **BATTERY**.



## Add to fleet

Add a BRNKL device to your BRNKL account fleet.

#### To add a BRNKL to fleet:

On your mobile device or browser:

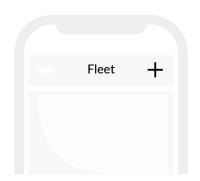
1. Open **BRNKL**.



2. From Map, Graphs, Photos or Alerts, go to the status bar and select the name of the displayed BRNKL.



3. From **Fleet**, select +.



4. Enter the serial number and password for the BRNKL you want to add.

When added to your account, BRNKL displays the name of the new device.



# **Change BRNKL** name

Change the name displayed for your BRNKL.

#### To rename BRNKL:

On your mobile device or browser:

1. Open **BRNKL**.



2. From **Settings**, select **BRNKL**, then go to **BRNKL** settings.



3. In Name, enter a new name.



4. **Save** settings.



# **Prepare for** devices

Prepare your BRNKL Rapid Deploy to operate with other deployed devices.

#### To prepare for devices:

Follow these instructions for the devices you plan to deploy:

- **Satellite device** (page 50)
- Float switch (page 62)
- **Door sensor** (page 69)
- **Camera** (page 76)

# Set up monitoring and alerts

Select the devices that you want BRNKL to monitor and sends alerts about.

#### To set monitoring and alerts, follow these steps:

- 1 Set up device monitoring
- **2** Set up device alerts

#### 1 Set up device monitoring

Select the devices you want BRNKL to monitor. BRNKL must monitor a device in order to send alerts.

#### To set up device monitoring:

On your mobile device or browser:

1. Open BRNKL.



2. From **Settings**, select **Devices**.



3. In the settings for each device, do one of the following:

> To monitor the device, turn on Monitor.



> To ignore the device, turn off Monitor.



**4. Save** settings.



#### ② Set up device alerts

Select the devices that you want BRNKL to send alerts about. BRNKL must monitor a device in order to send alerts.

#### To set up device alerts:

On your mobile device or browser:

- 1. Open BRNKL.
- 2. From **Settings**, select **Devices**.
- 3. In the settings for each monitored device, do one of the following:
  - > To send alerts about the device. turn on Alert.



> To stop alerts about the device, turn off Alert.



#### 4. **Save** settings.



# Arm and disconnect

Arm and disconnect your BRNKL Rapid Deploy before transporting and deploying.

#### To arm and disconnect Rapid Deploy, follow these steps:

- (1) Arm BRNKL
- (2) Turn off battery power
- (3) Disconnect mobile antenna
- 4 Disconnect AC power



Mobile network coverage required. When deploying outside mobile network coverage, arm the system beforehand, while still connected to the mobile network.

#### 1 Arm BRNKL

Arm BRNKL to receive alerts when something happens.

#### To arm BRNKL:

On your mobile device or browser:

1. Open **BRNKL**.



2. From Map, Graphs, Photos or Alerts, go to the status bar.



- 3. Check the status indicator, then do one of the following:
  - > If status is **Armed**, do nothing. BRNKL is armed.



> If status is **Disarmed**, select the status indicator to arm.



### **2** Turn off battery power

Disconnect battery power when your BRNKL isn't in use.

#### To turn off battery power:

Inside the Rapid Deploy:

1. Find the switch panel.



2. On the panel, switch **BATTERY** to OFF.



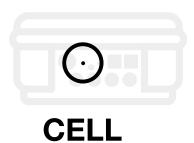
#### (3) Disconnect mobile antenna

Disconnect the supplied antenna before transporting your BRNKL Rapid Deploy.

#### To disconnect mobile antenna:

On the connection panel:

1. Find the antenna cable plugged into the **CELL** port.



2. Loosen the collar on the cable, then pull to remove.

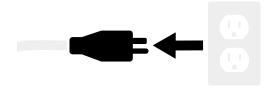


#### **3 Disconnect AC power**

Disconnect the AC power source from your BRNKL Rapid Deploy.

#### To disconnect AC power, follow these steps:

1. At the power outlet, unplug the extension cord connected to the Rapid Deploy.



2. On the connection panel, find the extension cord plugged into the AC port.



2. Grasp and pull the extension cord plug to remove.





# Deploy

Set up your BRNKL Rapid Deploy on location. Follow these steps:

#### What to bring

- **Install BRNKL Rapid Deploy**
- Add power source 2
- Add antenna
- **Deploy devices**
- Set and calibrate



Prepare your Rapid Deploy before deploying.

# What to bring

You need these things to deploy BRNKL Rapid Deploy:

#### **BRNKL** devices

- BRNKL Rapid Deploy
  - > Prepared
  - > Armed
- Antenna

#### You may need:

- Solar panel
  - > Compatible cable
- RockBLOCK+ satellite device.
  - > Paired to same BRNKI
  - > Compatible cable
  - > Mounting plate
- Float switch
  - > Compatible cable
- Door sensor
  - > Compatible cable
- Camera

#### Mobile device

- iOS or Android mobile device
  - > Connected to internet
  - > BRNKL app installed

#### **Services**

- BRNKL user account, password
- BRNKL Rapid Deploy service subscription

#### **Tools**

- Wire crimper
- Wire stripper
- Heat gun

#### You may need:

- Extension cord. AC 120-240V
  - > Choice of length
  - > 3-prong female plug

#### **Supplies**

• See BRNKL Rapid Deploy AC Shopping List (page 94)

# **Install BRNKL Rapid Deploy**

Position your BRNKL Rapid Deploy and secure it in place.

To install BRNKL Rapid Deploy, follow these steps:

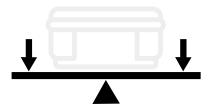
#### A | Select position

Follow these guidelines:

- Allow for discreet wire runs from any connected devices, avoiding tripping hazards.
- Place indoors (preferred).



• Ensure a stable flat surface.



• Allow clearance to open the lid and to access the connection panel.



• If deploying using an AC power source, position within range of a 120-240V outlet.

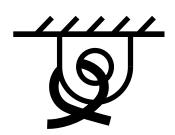


- Position within a 2 m (6 ft) range of an appropriate antenna placement:
  - > **Metal hull:** Indoors, next to window; outdoors.
  - > **Fibreglass hull:** Indoors, next to hull or window; outdoors.



#### **B** | Secure

• Secure in place to prevent any shift in position.



# Add power source

Keep your BRNKL Rapid Deploy AC powered using either the supplied solar panel or an AC power connection.

#### To add power source, do one of the following:

- Add solar power panel (page 26)
- Connect AC power (page 30)

## Add solar panel

Charge your BRNKL Rapid Deploy using solar energy.

#### To add the solar panel, follow these steps:

- (1) Install solar panel
- (2) Prepare solar panel cable
- (3) Connect solar panel
- (4) Test solar panel connection

#### (1) Install solar panel

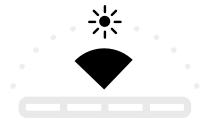
Position and secure the solar panel supplied with your BRNKL Rapid Deploy.

To install the solar panel, follow these steps:

#### A | Select position

Follow these guidelines:

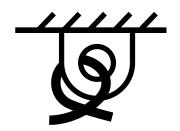
• Place outdoors facing the path of the sun.



- Ensure a solid mounting surface.
- Provide for fastening.
- Allow for a discreet cable run to the Rapid Deploy.

#### **B** | Secure

• Secure the solar panel in place using cable ties or another type of fastener.



#### **2** Prepare solar panel cable

Prepare the supplied solar panel cable to connect to your BRNKL Rapid Deploy.

#### To run solar panel cable:

From the solar panel:

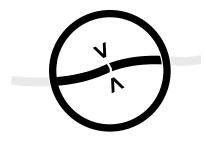
• Run the cable to the Rapid Deploy.



#### To lengthen solar panel cable:

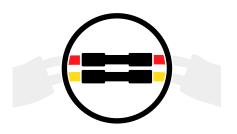
For longer cable runs, lengthen the supplied cable.

1. Cut the solar panel cable.



- 2. Splice an extra length of cable at each cut end:
  - > Add a length of marine grade 2 conductor cable, 18-16 AWG.

> Connect the **red** [+] wires and **yellow** [-] wires with heat shrink butt connectors.



3. Wrap the connections with electrical tape.



#### **3** Connect solar panel

Connect the supplied solar panel to your BRNKL Rapid Deploy.

To connect the solar panel, follow these steps:

#### A | Prepare power switches

Inside the Rapid Deploy:

1. Find the switch panel.



2. Switch on **BATTERY**.



3. Switch **SOLAR** to **OFF.** 



#### **B** | Plug in solar panel

On the connection panel:

1. Plug the solar panel cable into the **SOLAR** port.



2. Turn the collar to fasten.



#### C | Turn on solar power

On the switch panel:

• Switch on **SOLAR**.



#### **4** Test solar panel connection

Make sure the solar panel is ready to charge your BRNKL Rapid Deploy.

#### To test solar panel connection:

Inside the Rapid Deploy:

1. Find the solar charge controller.



- 2. On the controller, check the **green** indicator light.
  - > If the light is **on** or **flashing**, the panel is connected.



> If the light is **off**, the panel isn't connected.

Check the cable connections, then repeat the test.

## Add AC power

Charge your BRNKL Rapid Deploy using an AC power outlet.

#### To add AC power, follow these steps:

- (1) Connect AC power
- **2** Turn on battery power
- (2) Test AC power connection

#### 1 Connect AC power

Connect an AC power outlet to your BRNKL Rapid Deploy.

To connect AC power, follow these steps:

#### A | Turn off solar

1. Inside the Rapid Deploy, find the switch panel.

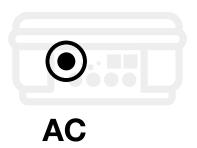


2. On the panel, switch **SOLAR** to **OFF.** 



#### **B** | Connect extension cord

1. On the connection panel, find the AC port.

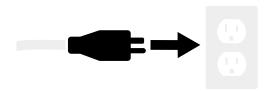


2. Lift the port cover, then plug in the female extension cord plug.



#### C | Plug into outlet

• At the AC power outlet, plug in the male extension cord plug.



#### **2** Turn on battery power

Power your BRNKL Rapid Deploy using the built-in battery.

#### To turn on battery power:

Inside the Rapid Deploy:

1. Find the switch panel.



2. On the panel, switch on **BATTERY**.



#### **3 Test AC power** connection

Make sure the AC power connection is able to charge your BRNKL Rapid Deploy.

#### To test AC power connection:

Inside the Rapid Deploy:

1. Find the AC charge indicator.



- 2. Check the indicator light:
  - > If the light is **on** or **pulsing**, AC power is connected.



> If the light is **off,** the panel isn't connected. Check the power cable connections, then repeat the test.

## Add antenna

Connect GPS and mobile networks to your BRNKL Rapid Deploy using the supplied antenna.

#### To add antenna, follow these steps:

- (1) Install antenna
- (2) Prepare antenna cable
- (3) Connect antenna

#### (1) Install antenna

Position and secure the supplied antenna.

To install the antenna. follow these steps:

#### A | Select position

Follow these guidelines:

• Place within 2 m (6 ft) of the BRNKL Rapid Deploy.



• If the boat has a **metal hull**, position the antenna indoors, next to a window, or outdoors.



• If the boat has a **fibreglass hull**, position the antenna indoors, next to the hull or a window, or outdoors.



#### **B** | Secure

• Secure the antenna in place using double-sided tape, cable ties, or other temporary fastener.



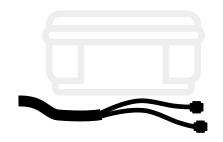
#### 2 Prepare antenna cable

Prepare the supplied antenna cable to connect to your BRNKL Rapid Deploy.

#### To prepare antenna cable:

From the antenna:

• Run the antenna cable to the Rapid Deploy.



#### (3) Connect antenna

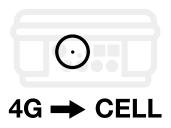
Connect both antenna cables to your BRNKL Rapid Deploy.

To connect the antenna, follow these steps:

#### A | Connect mobile antenna

On the connection panel:

1. Plug the antenna cable labelled 4G into the **CELL** port.



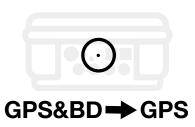
2. Turn the collar to fasten.



#### **B** | Connect GPS antenna

On the connection panel:

1. Plug the antenna cable labelled **GPS&BD** into the **GPS** port.



2. Turn the collar to fasten.



## **Deploy devices**

Deploy devices that you've prepared for your BRNKL Rapid Deploy deployment.

#### To deploy a device:

Follow the instructions for the type of device:

- Satellite device (page 56)
- Float switch (page 64)
- **Door sensor** (page 71)
- Camera (page 81)

## Set and calibrate

Set a geofence and calibrate your BRNKL built-in accelerometer.

#### To set and calibrate:

- (1) Set geofence
- (2) Calibrate accelerometer



Internet connection required. If deploying outside mobile network coverage, set and calibrate after deploying, with your mobile device or browser connected to internet.

#### 1 Set geofence

Set a geofence for your BRNKL Rapid Deploy to monitor for location alerts.

#### To set geofence:

On your mobile device or browser:

1. Open BRNKL.



2. From Map, select Set geofence.



3. In geofence settings, turn on Monitor.



4. On the map, select and drag the handles to change the geofence radius.



5. Set desired radius, then **Save**.



#### **2** Calibrate accelerometer

Calibrate your BRNKL accelerometer to accurately monitor pitch and heel.



Recalibrate any time you shift or reposition BRNKL Rapid Deploy.

#### To calibrate accelerometer:

On your mobile device or browser:

- 1. Open **BRNKL**.
- 2. From **Settings**, select **Devices**, then go to Pitch and heel angle settings.



3. In Calibrate, select •.



#### 4. **Save** settings.



# **C Recover**

Take down and reset your BRNKL Rapid Deploy.

Follow these steps:

#### What you need

- 1 Take down
- **2** Reset to default settings

# What you need

You need these things to recover your BRNKL Rapid Deploy:

#### **BRNKL** devices

- BRNKL Rapid Deploy
  - > Antenna
- Deployed devices

#### Mobile device

- iOS or Android™ mobile device
  - > Connected to internet
  - > BRNKL app installed
  - > Rapid Deploy displayed

#### **Services**

- BRNKL user account and password
- BRNKL Rapid Deploy service subscription

#### **Tools**

- Extension cord. AC 120-240V
  - > Choice of length
  - > 3-prong female plug

## Take down

Disarm and disconnect your BRNKL Rapid Deploy setup.

To take down your Rapid Deploy setup, follow these steps:

- 1 Disarm BRNKL
- 2 Disconnect power source
- 3 Turn off battery power
- (4) Disconnect devices

#### 1 Disarm BRNKL

Set your BRNKL to stop sending alerts.

#### To disarm BRNKL:

On your mobile device or browser:

1. Open BRNKL.



2. From Map, Graphs, Photos or Alerts, go to the status bar.



- 3. Check the status indicator, then do one of the following:
  - > If status is **Disarmed**, do nothing. BRNKL is disarmed.



> If status is **Armed**, select the status indicator to disarm.



#### **2** Disconnect power source

Disconnect the power source from your BRNKL Rapid Deploy.

To disconnect the power source, do one of the following:

#### **Disconnect solar panel:**

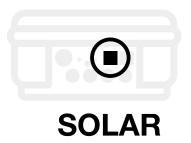
1. Inside the Rapid Deploy, find the switch panel.



2. On the panel, switch **SOLAR** to **OFF**.



3. On the connection panel, find the cable plugged into the **SOLAR** port.

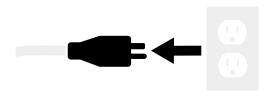


4. Loosen the collar on the cable, then pull to remove.

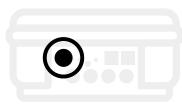


#### **Disconnect AC:**

1. At the power outlet, unplug the extension cord connected to the Rapid Deploy.



2. On the connection panel, find the extension cord plugged into the AC port.



2. Grasp and pull the extension cord plug to remove.



#### **③ Turn off battery power**

Disconnect battery power when your BRNKL isn't in use.

#### To turn off battery power:

Inside the Rapid Deploy:

1. Find the switch panel.



2. On the panel, switch **BATTERY** to OFF.



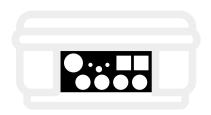
#### **3** Disconnect devices

Disconnect devices from your BRNKL Rapid Deploy.

#### To disconnect devices:

On the Rapid Deploy:

1. Find the the connection panel.



- 2. On the panel, disconnect all cables:
  - > On **INPUT** ports, pull the plug to remove.



> On **SOLAR** and **SAT** ports, loosen the collar on the cable, then pull to remove.



> On the **SERIAL** port, loosen the collar on the cable, then pull to remove.



> On **CELL** and **GPS** ports, loosen the collar on the cable, then pull to remove.



## Reset

Reset your BRNKL Rapid Deploy before storing or redeploying.

#### To reset Rapid Deploy, follow these steps:

- (1) Connect mobile antenna
- **2** Turn on battery power
- 3 Reset to default settings
- 4 Turn off battery power



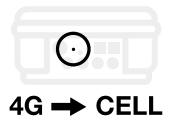
Mobile network coverage required.

#### **1** Connect mobile antenna

Prepare your BRNKL Rapid Deploy to connect to the mobile network.

#### To connect mobile antenna:

- 1. On the antenna, find the cable labelled 4G.
- 2. On the connection panel, plug the **4G** cable into the **CELL** port.



3. Turn the collar to fasten.



#### **2** Turn on battery power

Power your BRNKL Rapid Deploy using the built-in battery.

#### To turn on battery power:

Inside the Rapid Deploy:

1. Find the switch panel.



2. On the panel, switch on **BATTERY**.



#### **3** Reset to default settings

Reset your BRNKL Rapid Deploy to default settings.

#### To reset to default settings:

On your mobile device or browser:

1. Open **BRNK**L.



2. From **Settings**, select **Devices**.



- 3. In the settings for each device:
  - > Match device settings to Rapid Deploy AC Default Settings (page 88), then **Save** settings.



#### **4** Turn off battery power

Disconnect battery power when your BRNKL isn't in use.

#### To turn off battery power:

Inside the Rapid Deploy:

1. Find the switch panel.



2. On the panel, switch **BATTERY** to OFF.





# **Add satellite** device

Operate your BRNKL Rapid Deploy outside mobile network coverage.

Follow these steps:

- Prepare for satellite device 1
- **Deploy satellite device**

# **Prepare for** satellite device

Prepare your BRNKL Rapid Deploy to operate with the paired satellite device.

#### To prepare for satellite device, follow these steps:

- 1 Link satellite device
- (2) Connect satellite device
- (3) Test satellite device connection
- (4) Test satellite service
- (5) Disconnect satellite device



Make sure to prepare the correctly-paired satellite device. Match the serial number on the device to the serial number on the Rapid Deploy information label.



#### 1 Link satellite device

Link the paired satellite device with your BRNKL Rapid Deploy.

To link the satellite device, follow these steps:

#### A | Check for existing link

On your mobile device:

1. Open BRNKL.



2. From **Settings**, select **BRNKL**.



3. Below **BRNKL** settings, check for Satellite settings.



- 4. Do one of the following:
  - > If **Satellite** settings are shown:
    - Make sure the serial number matches the number on the Rapid Deploy information label.



- Skip the Link device procedure.
- > If **Satellite** settings aren't shown:
  - Follow the Link device procedure.

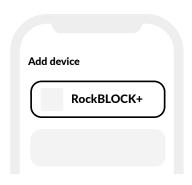
#### **B** | Link device

With the satellite device at hand:

- 1. On the mobile device, open **BRNKL**.
- 2. From **Settings**, select **+ Add device**.



3. Select RockBLOCK+.



4. When prompted, scan or enter the serial number printed on the paired satellite device.

Make sure the serial number matches the number on the Rapid Deploy information label.



> Once linked to a satellite device, BRNKL shows Satellite settings.



#### **2** Connect satellite device

Connect the satellite device to your BRNKL Rapid Deploy.

To connect the satellite device, follow these steps:

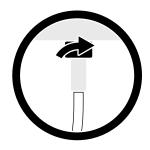
#### A | Connect power cable

On the connection panel:

1. Plug the **white** satellite device power cable into the **SAT** port.



2. Turn the collar to fasten.



#### **B** | Connect signal cable

On the connection panel:

1. Plug the **black** satellite device signal cable into the **SERIAL** port.



2. Turn the collar to fasten.

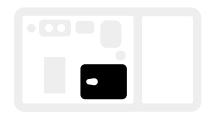


#### (3) Test satellite device connection

Test the satellite device cable connection to your BRNKL Rapid Deploy.

#### To test satellite device connection:

1. Inside the Rapid Deploy, find the BRNKL device.



2. On the bottom of the BRNKL, find the connection test button.



3. Press and hold the button until the indicator light turns on:



- > If the light is **solid**, the satellite device is connected.
- > If the light **pulses**, the BRNKL is testing the connection.

> If the light **flashes**, the satellite device isn't connected.

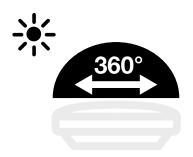
Check the cable connections and repeat the test.

#### (4) Test satellite service

Make sure your BRNKL Rapid Deploy connects to the satellite network.

#### To test satellite service:

1. Place the connected satellite device outdoors, facing the sky, with a 360° clear view of the horizon.



2. On your mobile device or browser, open BRNKL.



3. From **Settings**, select **BRNKL**, then go to Satellite settings.



4. In **Test signal**, select **Test**.



5. Wait 5 minutes, then check **Last** signal.

BRNKL reports an updated recent signal time when connected to the satellite network.



#### **(5)** Disconnect satellite device

Disconnect the satellite device from your BRNKL Rapid Deploy.

To disconnect the satellite device, follow these steps:

#### A | Disconnect satellite power

On the connection panel:

1. Find the cable plugged into the **SAT** port.



2. Loosen the collar on the cable, then pull to remove.



#### B | Disconnect satellite signal

On the connection panel:

1. Find the cable plugged into the **SERIAL** port.



2. Loosen the collar on the cable, then pull to remove.



# **Deploy satellite** device

Deploy the paired satellite device with your BRNKL Rapid Deploy.

#### To deploy satellite device, follow these steps:

- 1 Install satellite device
- (2) Prepare satellite device cables
- (3) Connect satellite device
- (4) Test satellite device connection

#### 1 Install satellite device

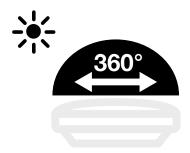
Position and mount the satellite device.

To install the satellite device, follow these steps:

#### A | Select position

Follow these guidelines:

• Place outdoors, facing the sky, with a 360° clear view of the horizon.



- Provide a stable mounting surface for one the following mounting options:
  - > **Surface mount** on a flat horizontal surface with the supplied mounting plate.



> Rail mount on a horizontal railing with the ROKK Rail mount kit. Railing diameter 20 - 34mm (0.8 - 1.3").



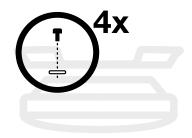
- Allow for a discreet cable run to the Rapid Deploy.
- Ensure **1m** (**3 ft**) of clearance from any GPS antenna.

#### **B** | Mount with mounting plate

1. Place the mount on the bottom of the device.

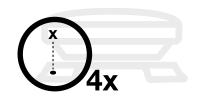


2. Attach the mounting plate using the supplied 8 mm hex screws and plastic washers.

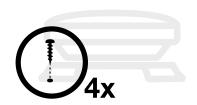


- 3. On the mounting surface, align the device/plate assembly in position.
- 4. Mark the mounting plate screw holes.

On hardened surfaces, drill pilot holes as required.

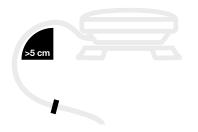


5. Secure the assembly with four #12, 316 stainless steel screws.



6. At the fixable point closest to the device, secure the cable with cable ties to reduce cable strain.

Allow a 5 cm (2") bend in the cable.

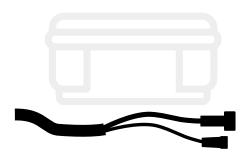


#### (2) Prepare satellite device cables

Prepare the satellite device cables before connecting to your BRNKL Rapid Deploy.

#### To run satellite device cable:

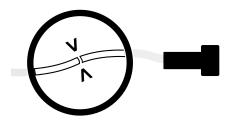
• From the satellite device, run the cable to the Rapid Deploy.



Lengthen the cables to make longer cable runs.

#### To lengthen satellite cables:

1. Cut the **white** segment of cable connected to the power plug.

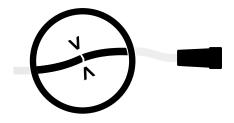


- 2. Splice extra cable with the ends of the cut cable.
  - > Add a length of marine grade 2 conductor cable, 22-16 AWG.

> Connect the **red** [+] wires and **yellow** [-] wires with heat shrink butt connectors.



3. Cut the **black** segment of cable connected to the serial plug.



- 4. Splice extra cable with the ends of the cut cable:
  - > Add a length of marine grade 4 conductor cable, 22-16 AWG.
  - > Connect the **red [+]** wires, black [-] wires, green wires, and **yellow** wires with heat shrink butt connectors.



5. Wrap the connections with electrical tape.



#### **3** Connect satellite device

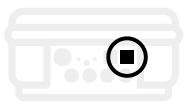
Connect the satellite device to your BRNKL Rapid Deploy.

To connect the satellite device, follow these steps:

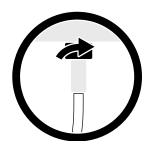
#### A | Connect power cable

On the connection panel:

1. Plug the white satellite device power cable into the **SAT** port.



2. Turn the collar to fasten.



#### **B** | Connect signal cable

On the connection panel:

1. Plug the **black** satellite signal cable into the **SERIAL** port.



2. Turn the collar to fasten.

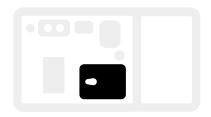


# **4** Test satellite device connection

Test the satellite device cable connection to your BRNKL Rapid Deploy.

# To test satellite device connection:

1. Inside the Rapid Deploy, find the BRNKL device.



2. On the bottom of the BRNKL, find the **connection test button**.



3. Press and hold the button until the **indicator light** turns **on**:



- > If the light is **solid**, the satellite device is connected.
- > If the light **pulses**, the BRNKL is testing the connection.

- > If the light **flashes**, the satellite device isn't connected.
  - Check the cable connections and repeat the test.



# **Add float** switch

Know when a water level changes.

Follow these steps:

- Prepare for float switch 0
- **Deploy float switch**

# **Prepare for float switch**

Prepare your BRNKL Rapid Deploy to operate with a float switch.

#### To prepare for float switch, follow these steps:

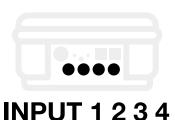
- (1) Select input port
- **2** Set float switch settings

#### **1** Select input port

Assign a BRNKL Rapid Deploy input port to a specific device.

#### To select input port:

1. On the connection panel, select an available **INPUT** port.



2. Make a note of the device, location, and INPUT.

### 2 Set float switch settings

Update your BRNKL Rapid Deploy settings to operate with a float switch.

#### To set float switch settings:

On your mobile device or browser:

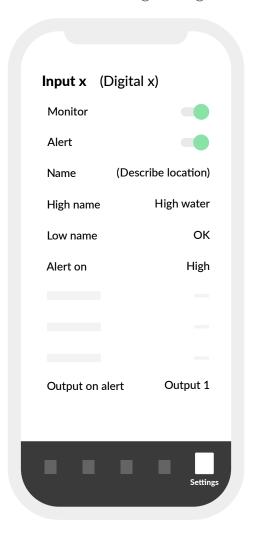
1. Open BRNKL.



2. From **Settings**, select **Devices**, then go to the settings for the **Input** selected for the float switch.



3. Enter the following settings:



4. **Save** settings.



# **Deploy float** switch

Deploy a float switch to operate with your BRNKL Rapid Deploy.

#### To deploy float switch, follow these steps:

- 1 Install float switch
- (2) Prepare float switch cable
- (3) Connect float switch
- (4) Test float switch connection

#### (1) Install float switch

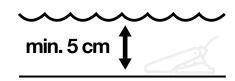
Position and mount a float switch.

To install a float switch, follow these steps:

#### A | Select position

Follow these guidelines:

- Ensure a flat and stable mounting surface.
- Place 5 cm (2") below the **high** water line you want monitored.



• Orient with the cable exiting in the direction of the stern.



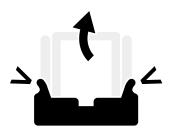
• Mount within the following placement angles:



#### **B** | Mount switch

1. Separate the float switch from the mounting base.

Press and hold the tabs on the sides of the base, then pull the switch to remove.



- 2. Place the mounting base in the selected position.
- 3. Secure the base with two #12. 316 stainless steel screws.

Match the screw to surface material.



4. Reattach the switch to the base, press to secure.



5. Make sure the float moves freely.



#### (2) Prepare float switch cable

Prepare a float switch cable to connect to your BRNKL Rapid Deploy.

#### To run float switch cable:

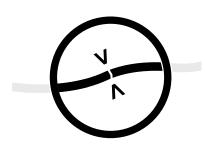
• From the float switch position, run the cable to the Rapid Deploy.



Lengthen the cable to make longer cable runs.

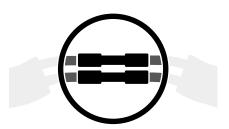
#### To lengthen float switch cable:

1. Cut the cable between the switch and the plug.



- 2. Splice extra cable with the cut ends:
  - > Add a length of marine grade 2 conductor cable, 22-16 AWG.

> Connect the wire pairs with heat shrink butt connectors.



3. Wrap the connections with electrical tape.



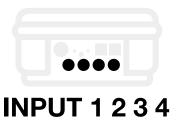
#### (3) Connect float switch

Connect a float switch to your BRNKL Rapid Deploy.

#### To connect float switch:

On the connection panel:

1. Plug the float switch cable into the **INPUT** port selected in preparation for deployment.



2. Press firmly to secure.



#### (4) Test float switch connection

Test the float switch connection to your BRNKL Rapid Deploy.

#### To test float switch connection:

1. On the float switch, lift and hold the float for 5 sec.



#### 2. Within 1 min:

> Inside the Rapid Deploy, check the **Activity indicator** light:



If the light turns **on**, the device is connected.

#### 3. If the device **isn't connected:**

- > Check the cable connections.
- > Within mobile network coverage, open **BRNKL** on your mobile device:

• Make sure BRNKL is **Armed**.



- In the device settings, make sure Alert on is set to High.
- In the device settings, make sure **Output on alert** is set to Output 1.





# Add door sensor

Know when a door opens or closes.

Follow these steps:

- Prepare for door sensor
- **Deploy door sensor**

# **Prepare for door** sensor

Prepare your BRNKL Rapid Deploy to operate with a door sensor.

#### To prepare for door sensor, follow these steps:

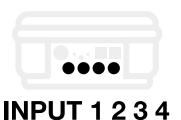
- 1) Select input port
- 2 Set door sensor settings

#### **1** Select input port

Assign a BRNKL Rapid Deploy input port to a specific device.

#### To select input port:

1. On the connection panel, select an available **INPUT** port.



2. Make a note of the device, location, and INPUT.

#### **2** Set door sensor settings

Update your BRNKL Rapid Deploy settings to operate with a door sensor.

#### To set door sensor settings:

On your mobile device or browser:

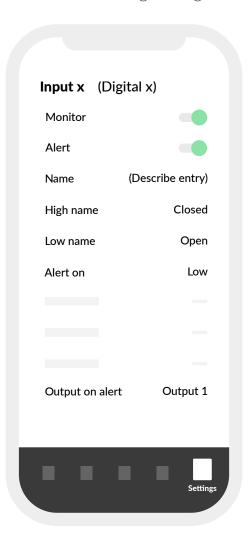
1. Open BRNKL.



2. From **Settings**, select **Devices**, then go to the settings for the **Input** selected for the door sensor.



3. Enter the following settings:



4. **Save** settings.



## **Deploy door** sensor

Deploy a door sensor to operate with your BRNKL Rapid Deploy.

### To deploy door sensor, follow these steps:

- (1) Install door sensor
- (2) Prepare door sensor cable
- (3) Connect door sensor
- (4) Test door sensor connection

## (1) Install door sensor

Position and mount a door sensor.

To install a door sensor, follow these steps:

#### A | Select position

Follow these guidelines:

• Place indoors.



• Place above the door, away from the hinge.



- Ensure a flat and stable mounting surface.
- Allow for a discreet cable run to the Rapid Deploy.

### **B** | Mount sensor

1. Place the wired sensor segment in the selected position, on or above the door frame, within 5 cm of the door edge.

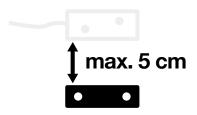
2. Secure the sensor with two #12, 316 stainless steel screws.

Match the screw to the surface material.



### C | Mount magnet

1. Place the magnet part on the door, aligned within 5 cm of the mounted sensor.



2. Secure the magnet segment with two #12, 316 stainless steel screws.

Match the screw to the surface material.



## 2 Prepare door sensor cable

Prepare a door sensor cable to connect to your BRNKL Rapid Deploy.

#### To run door sensor cable:

• From the door sensor position, run the cable to the Rapid Deploy.



Lengthen the cable to make longer cable runs.

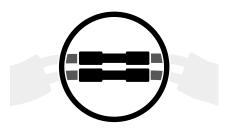
### To lengthen door sensor cable:

1. Cut the cable between the sensor and the plug.



- 2. Splice extra cable with the cut ends:
  - > Add a length of marine grade 2 conductor cable, 22-16 AWG.

> Connect the wire pairs with heat shrink butt connectors.



3. Wrap the connections with electrical tape.



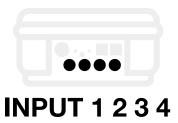
## **3** Connect door sensor

Connect a door sensor to your BRNKL Rapid Deploy.

#### To connect door sensor:

On the connection panel:

1. Plug the door sensor cable into the **INPUT** port selected in preparation for deployment.



2. Press firmly to secure.



## **4** Test door sensor connection

Test the door sensor connection to your BRNKL Rapid Deploy.

#### To test door sensor connection:

1. Close the monitored door.



#### 2. Within 1 min:

> Inside the Rapid Deploy, check the **Activity indicator** light:



If the light turns **on**, the device is connected.

- 3. If the device **isn't connected:** 
  - > Check the cable connections.
  - > If deploying within mobile network coverage, open **BRNKL** on your mobile device:

• Make sure BRNKL is **Armed**.



- In the device settings, make sure Alert on is set to Low.
- In the device settings, make sure **Output on alert** is set to Output 1.





# Add camera

Take and view photos.

Follow these steps:

- **Prepare for camera**
- **Deploy camera**



Mobile network coverage required to deploy camera.

## **Prepare for** camera

Prepare your BRNKL Rapid Deploy to operate with a camera.

### To prepare for camera, follow these steps:

- 1 Unlink satellite device (if required)
- (2) Connect camera
- (3) Test camera connection
- 4) Set photo settings
- **5** Disconnect camera



Prepare for camera **after** preparing for other devices.

## 1 Unlink satellite device

If a satellite device is linked to your BRNKL Rapid Deploy, unlink that device before you add a camera.

#### To unlink the satellite device:

On your mobile device:

1. Open BRNKL.



- 2. From **Settings**, select **BRNKL**.
- 3. Below **BRNKL** settings, check for Satellite settings.



- 4. Do one of the following:
  - > If **Satellite** settings are shown, follow the next step.
  - > If Satellite no settings are shown, proceed to Connect camera.

No satellite device is linked to your Rapid Deploy.

4. In **Satellite** settings, go to **Remove** and select 

.



5. **Save** settings.



## **2** Connect camera

Connect a camera to your BRNKL Rapid Deploy.

#### To connect camera:

On the connection panel:

1. Plug the camera cable into the **SERIAL** port.



2. Turn the collar to fasten.



## **③ Test camera connection**

Test the camera connection to your BRNKL Rapid Deploy.

To test a camera connection, follow these steps:

#### A | Wait 15 minutes

• Wait 15 minutes after connecting any new device.

#### B | Check camera view

On your mobile device or browser:

1. Open BRNKL.



2. From **Photos**, select **Take photo**, then wait two minutes.



3. In the photo gallery, check for a new photo:



- > If a photo appears, the camera is succesfully connected to your BRNKI.
- > If no photo appears, check the cable connections and repeat the test.

## 4 Set photo settings

Set up your BRNKL Rapid Deploy to automatically take photos.

To set photo settings, follow these steps:

#### A | Set daily photos

On your mobile device or browser:

1. Open BRNKL.



2. From **Settings**, select **Devices**, then go to Camera settings.



3. In **Daily photo settings**, select three times (hh) for BRNKL to take photos every day.



4. **Save** settings.



#### **B** | Set alert photos

On your mobile device or browser:

- 1. Open BRNKL.
- 2. From **Settings**, select **Devices**.



- 3. In the settings for each device that you want to trigger a photo:
  - > Turn on **Photo on alert**.

Alerts must be turned on for the same device.



4. **Save** settings.



## **5** Disconnect camera

Disconnect the camera from your BRNKL Rapid Deploy before transport.

#### To disconnect camera:

On the connection panel:

1. Find the cable plugged into the **SERIAL** port.



2. Loosen the collar on the cable, then pull to remove.



## **Deploy camera**

Deploy a camera with your BRNKL Rapid Deploy.

## To deploy camera, follow these steps:

- (1) Install camera
- **2** Prepare camera cable
- (3) Connect camera
- (4) Test camera connection
- (5) Set camera view



Mobile network coverage required to deploy camera.

## 1 Install camera

Position and mount a camera.

To install a camera, follow these steps:

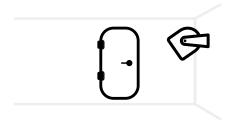
#### A | Select position

Follow these guidelines:

• Place indoors.



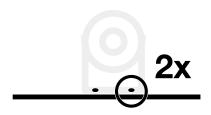
• Provide a view of entry or area you want to monitor.



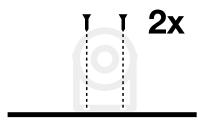
- Ensure a flat and stable mounting surface.
- Allow for a discreet cable run to the BRNKL Rapid Deploy.

#### **B** | Mount camera

- 1. Place the camera in the selected position.
- 2. Mark the two screw holes. Drill pilot holes as required.



3. Secure the mount with two #10, 5/8" 316 stainless steel screws.



Match screws to the surface.

**Don't** tighten the screws.

4. Aim the camera, then tighten the screws to fasten.





## (2) Prepare camera cable

Prepare a camera cable for your BRNKL Rapid Deploy.

#### To run camera cable:

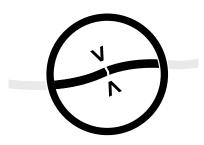
• From the camera, run the cable to the Rapid Deploy.



Lengthen the cable to make longer cable runs.

#### To lengthen camera cable:

1. Cut the cable between the camera and the plug.



- 2. Splice extra cable with the cut ends:
  - > Add a length of marine grade 4 conductor cable. 22-16 AWG.

> Connect the **red [+]** wires, black [-] wires, green wires, and **yellow** wires with heat shrink butt connectors



3. Wrap the connections with electrical tape.



## **3** Connect camera

Connect a camera to your BRNKL Rapid Deploy.

#### To connect camera:

On the connection panel:

1. Plug the camera cable into the **SERIAL** port.



## **SERIAL**

2. Turn the collar to fasten.



## **4** Test camera connection

Test the camera connection to your BRNKL Rapid Deploy.

To test a camera connection, follow these steps:

### A | Wait 15 minutes

• Wait 15 minutes after connecting any new device.

## **B | Check camera view**

On your mobile device or browser:

1. Open BRNKL.



2. From **Photos**, select **Take photo**, then wait two minutes.



3. In the photo gallery, check for a new photo:



> If a photo appears, the camera is succesfully connected to your BRNKL. If no photo appears, check the cable connections and repeat the test.

## (5) Set camera view

Set the camera view to capture the entry or area you want to monitor.

To set a camera view. follow these steps:

### A | Wait 15 minutes

• Wait 15 minutes after connecting any new device.

#### B | Check camera view

On your mobile device or browser:

1. Open BRNKL.



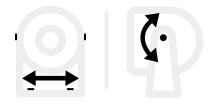
2. From **Photos**, select **Take photo**, then wait two minutes.



3. In the photo gallery, select and view the uploaded photo.



- 4. If required, adjust the view by repositioning the camera:
  - > Loosen and adjust the tilt and mounting screws on the camera mount.



- > Repeat steps 2-4 to set the desired camera view.
- 5. Fasten screws to secure.

# Reference

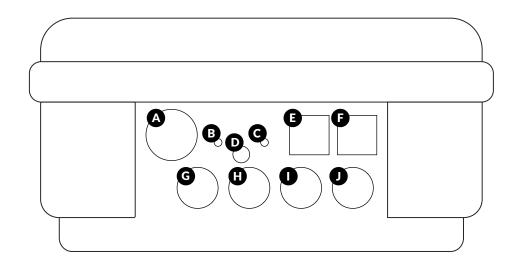
**BRNKL Rapid Deploy AC Connections (page 87)** 

**BRNKL Rapid Deploy AC default** settings (page 88)

Device settings (page 93)

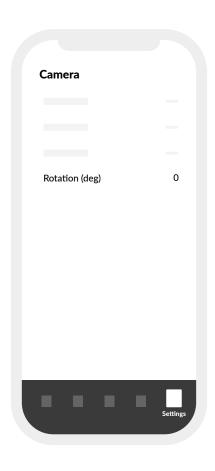
**BRNKL Rapid Deploy AC Shopping** List (page 94)

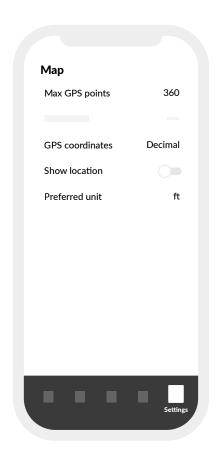
## **BRNKL Rapid Deploy AC Connections**

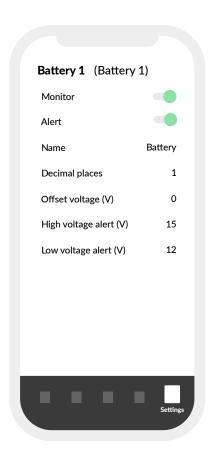


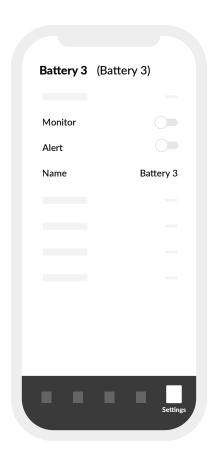
	Terminal	Connection
A	AC	<b>⊜</b> AC 110-240 V
B	CELL	■■■ Mobile antenna <b>4G</b>
G	GPS	GPS antenna GPS&BD
0	SERIAL	Satellite device serial cable or camera
•	SOLAR	Solar panel
G	SAT	Satellite device power cable
0	INPUT 1	
0	INPUT 2	
0	INPUT 3	名 🖟 Float switch, door sensor
0	INPUT 4	

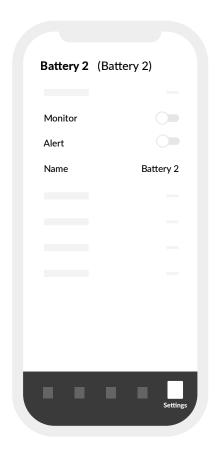
## **BRNKL Rapid Deploy AC** default settings

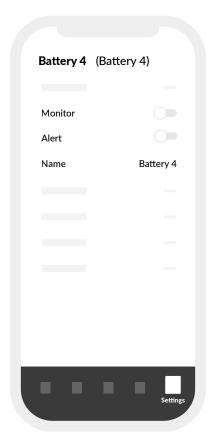


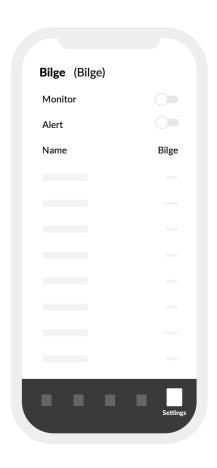


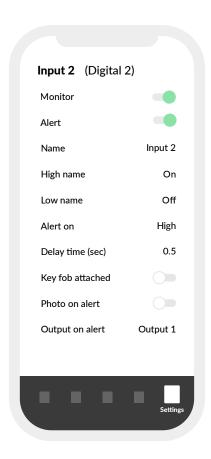


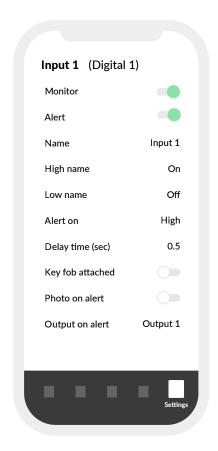


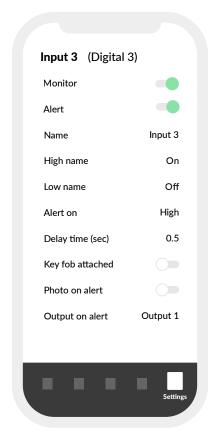


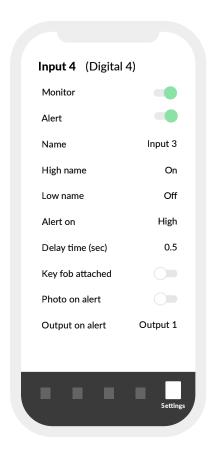


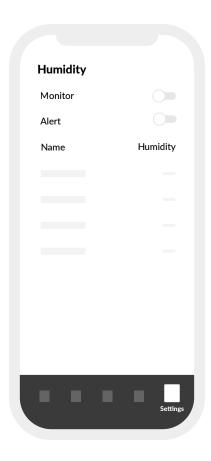


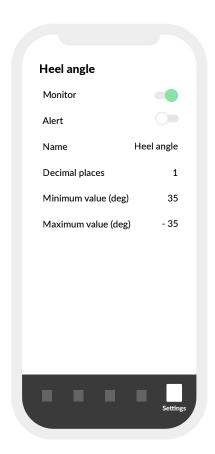




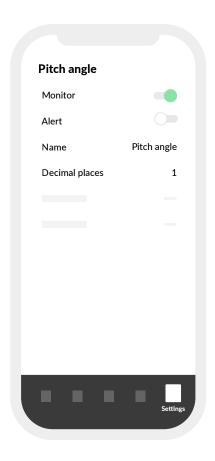


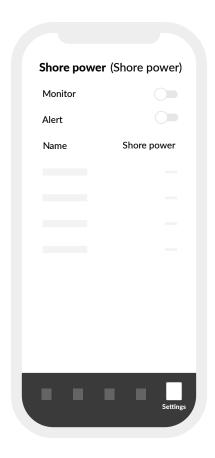


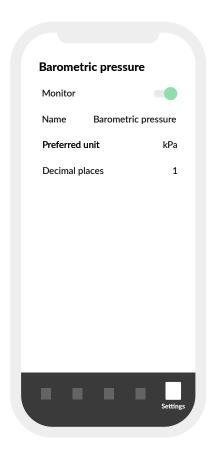


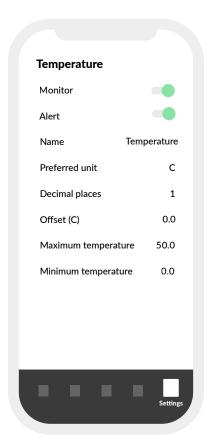






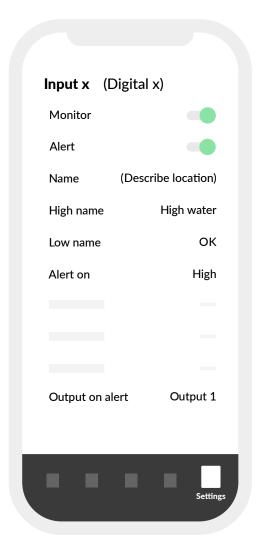




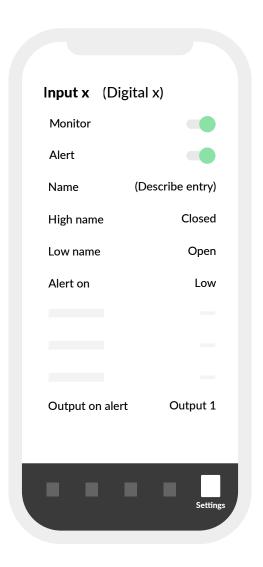


## **Device settings**

## Float switch settings

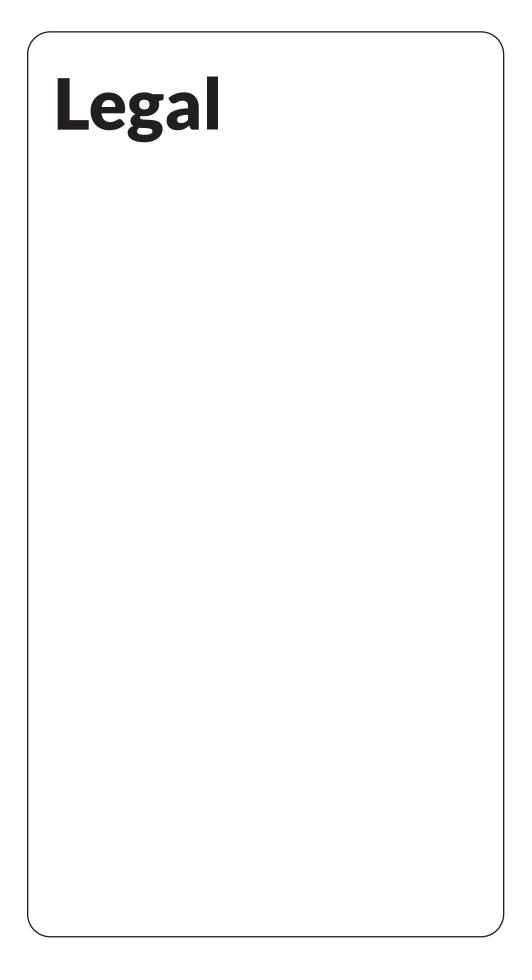


## **Door sensor settings**



## **BRNKL Rapid Deploy AC Shopping List**

	Basic setup (always)		
ρ 4		Marine grade <b>2 conductor</b> cable, 18-16 AWG 20 heat shrink butt connectors, 22–16 AWG (red) 50 cable ties Electrical tape	
	Adc	l to basic setup supplies:	
	Sat	tellite device	
	0	Marine grade 2 conductor cable, 18-16 AWG Marine grade <b>4 conductor</b> cable, 22-18 AWG 4 #12, 316 stainless steel screws	
B	Flo	at switch	
	$\bigcirc$	Marine grade 2 conductor cable, 18-16 AWG 4 #12, 316 stainless steel screws (per switch)	
	Do	or sensor	
	$\bigcirc$	Marine grade 2 conductor cable, 18-16 AWG 4 #12, 316 stainless steel screws (per sensor)	
9	Cai	mera	
	$\bigcirc$	Marine grade <b>4 conductor</b> cable, 22-18 AWG 2 #10, 316 stainless steel screws	



#### **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 fonctionnement.

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.







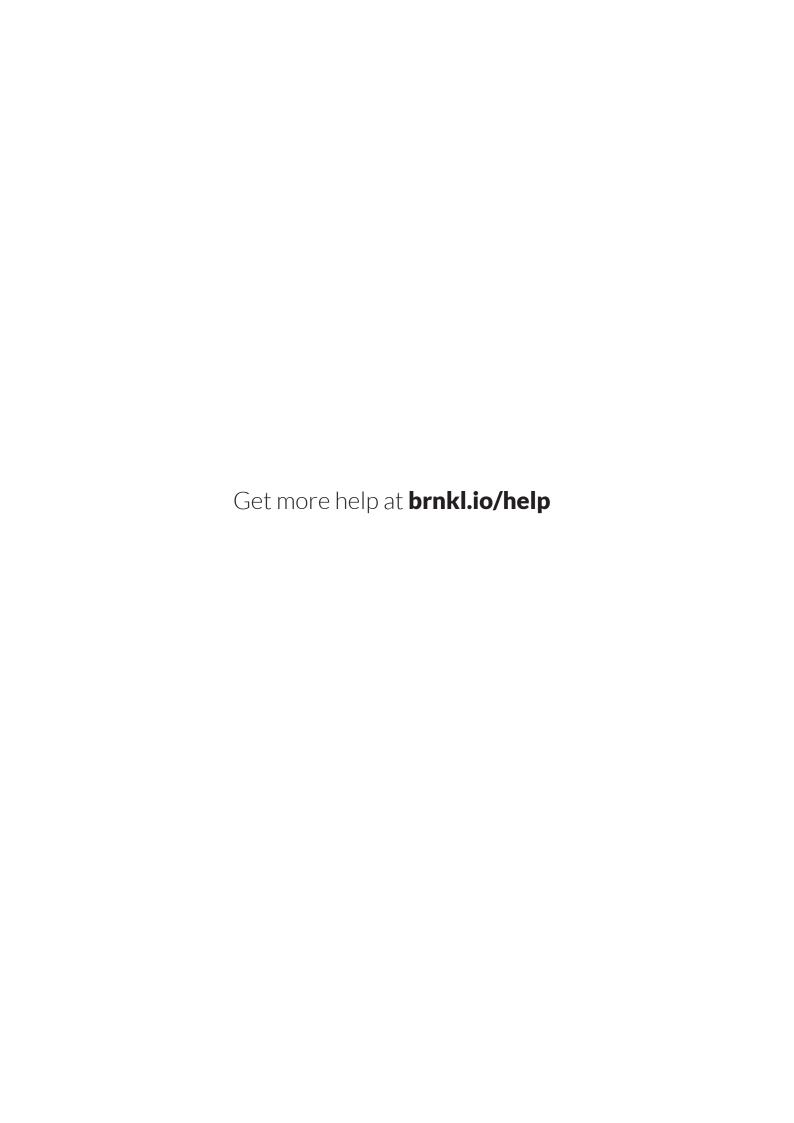
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# Always on board.

