

## Quick Start Guide



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## **Indication for Use**

Sparrow Ascent is a transcutaneous nerve field stimulator that is intended to be used in patients experiencing opioid withdrawal in conjunction with standard symptomatic medications and other therapies for opioid withdrawal symptoms under the supervision of trained clinical personnel.

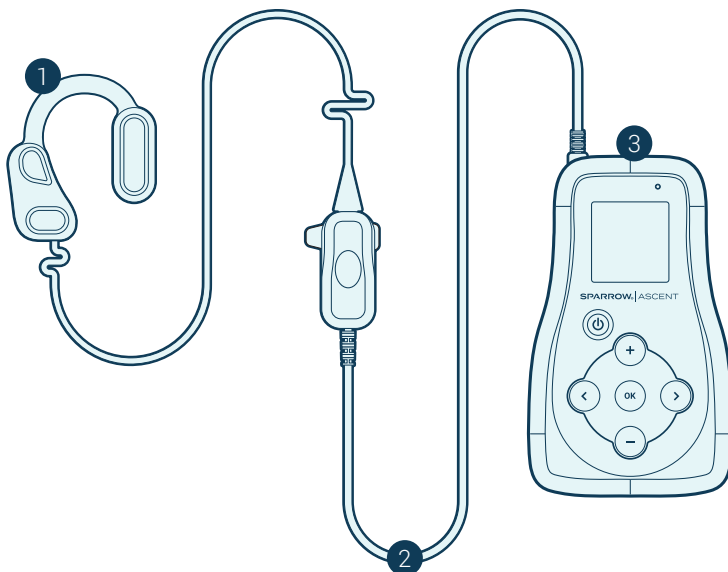
# Introducing Sparrow Ascent™

Overcoming opioid withdrawal doesn't have to be painful. Sparrow Ascent provides safe, comfortable, drug-free treatment for opioid withdrawal symptoms.

Sparrow Ascent is designed to provide mild stimulation to the nerves on and around the ear to help reduce opioid withdrawal symptoms. You can safely use the discreetly wearable device at home, at work, or as you go about most daily activities. However, you should always use Sparrow Ascent as prescribed by your physician.

## Parts Included

1. Earpiece
2. Cable
3. Patient Controller
4. AAA Batteries
5. Alcohol Wipes
6. Belt Clip



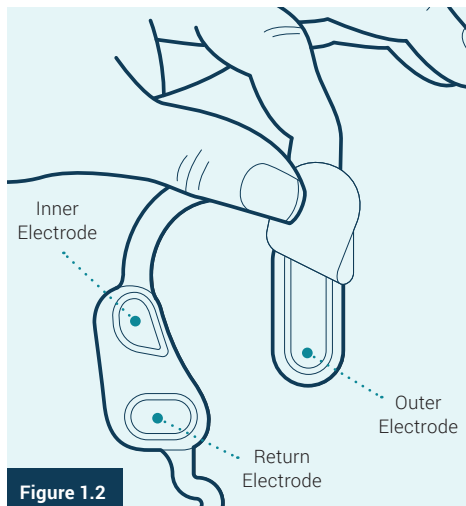
# Get Started With Sparrow Ascent

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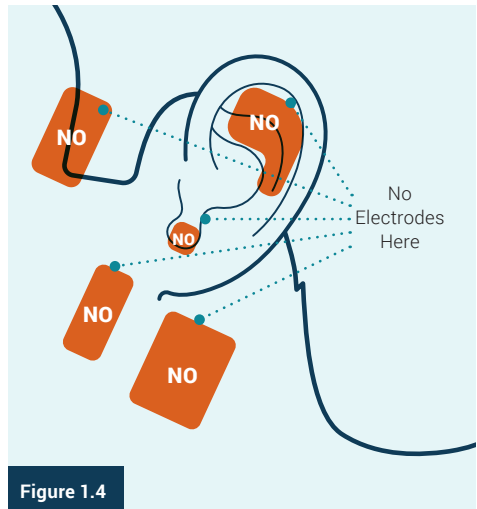
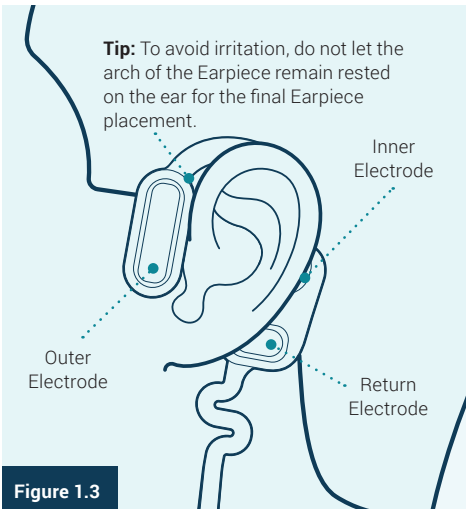
## 1) Apply the Earpiece

- 1.1 Apply the Earpiece while in front of a mirror when applying to yourself. Be sure all hair is pulled back, and the areas around where the Earpiece will be placed are clear of hair or jewelry. This may require trimming or shaving hair in small areas in front of or behind the ear. Gently clean around the ear with one of the provided alcohol wipes. Allow the ear to dry before proceeding to the next step.
- 1.2 Open an Earpiece pouch. Then, open the Earpiece tray and gently remove the Earpiece. Next, place the Earpiece over the ear so the Outer Electrode is in front of the ear. To place the electrodes, start with either the Outer Electrode or the Inner/Return Electrodes as shown in **Figure 1.2**.

**Tip:** Check your Earpiece label to determine whether the Earpiece is intended for the Left or Right ear.



- 1.3 Remove the adhesive liner from the Outer Electrode and press to apply, as shown in **Figure 1.3**. Press firmly and hold to ensure the entire Outer Electrode adheres to the skin. Repeat with the Inner/Return Electrodes. Once in place, press down and hold for three to five seconds to secure it.
- 1.4 **Do NOT** place any electrodes in the orange areas shown in **Figure 1.4**. All liners should be peeled away from the Earpiece, and the electrodes should be fully adhered to the skin before beginning stimulation.

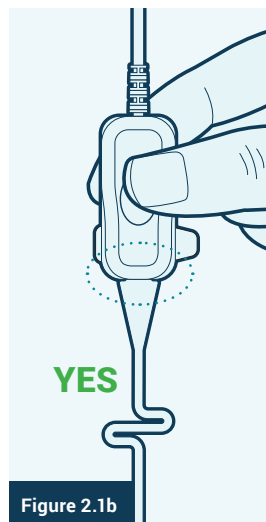
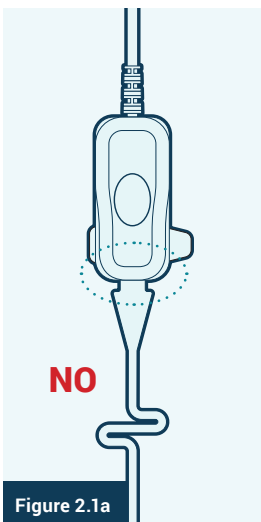
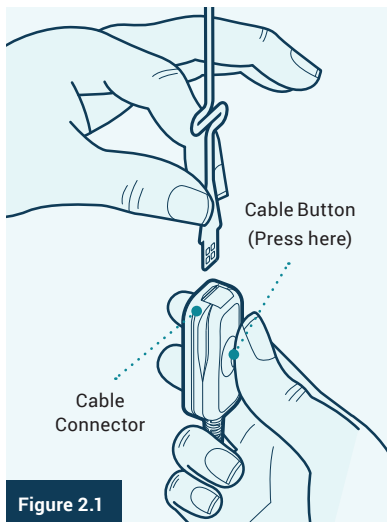


## 2) Connect the Cable

2.1 Locate the Cable and find the end with the white box and grey Cable Button. This is the Cable Connector. Press down fully on the Cable Button and insert the Earpiece end (**Figure 2.1**) into the Cable Connector slot until the Earpiece end is flush against the white box (**Figures 2.1a and 2.1b**), then release the Button. The Earpiece end can be inserted either direction.

**Tip:** The Earpiece end should easily insert into the Connector slot. If there is resistance, increase pressure to the Cable Button and try again.

2.2 Next, clip the Cable Connector to your shirt near or at the neckline. Then, insert the Cable Jack into the Patient Controller, as shown in **Figure 2.2**.



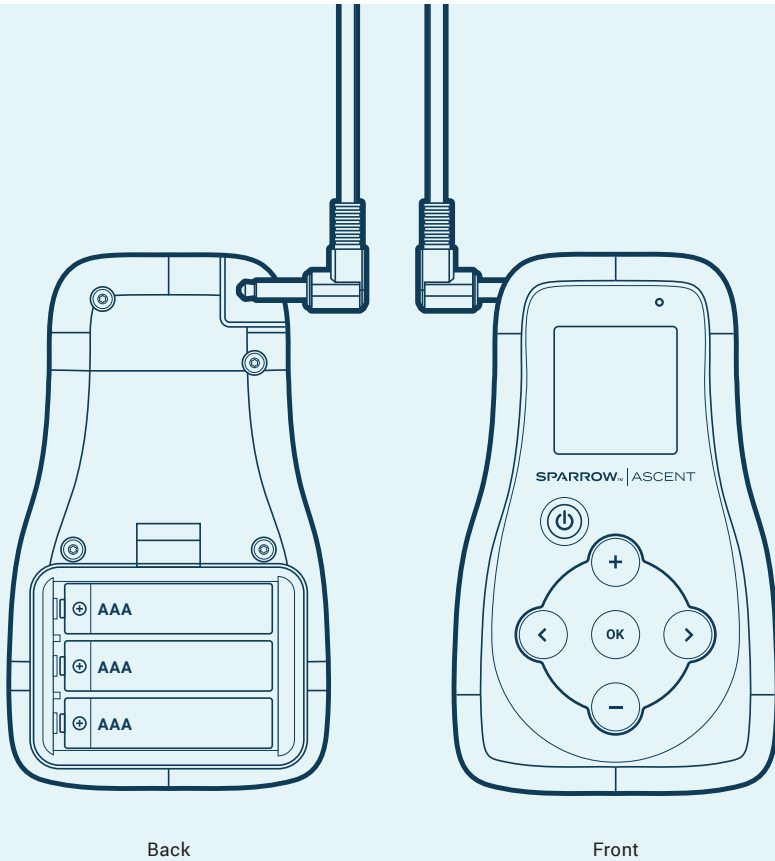


Figure 2.2

### 3) Turn ON the Patient Controller

- 3.1 Press and hold the power button located on the front of the controller, just below the word "Sparrow," for one to three seconds. You've successfully turned the device ON when the Spark logo appears on screen.

### 4) Toggle ON/OFF and Adjust Simulation

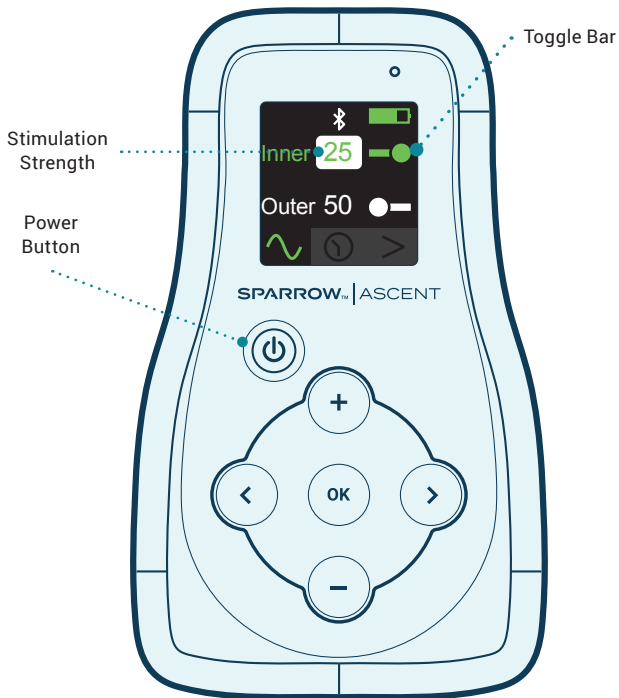
- 4.1 Press either arrow to move the cursor on the screen until you highlight the toggle bar for the Inner or Outer Electrodes. The Inner Electrode is the electrode placed behind the ear. The Outer Electrode is the electrode in front of your ear .
- 4.2 Press OK to activate stimulation. Stimulation is ON when the toggle bar is green. Grey toggle bar(s) indicate stimulation is OFF for the designated Electrode(s).
- 4.3 Next, use either arrow to move the cursor and highlight the stimulation strength (0–50). Press OK to enable stimulation strength adjustments. **NOTE:** The stimulation strength will flash when adjustments are enabled.

Press the + or - buttons to increase (+) or decrease (-) the stimulation strength from 0 to 50. Press OK to save your settings.

At this point, you should be feeling a comfortable tingling sensation. If stimulation is uncomfortable, reduce stimulation strength.

## 5) Turn OFF The Patient Controller





Press and hold the power button for two to four seconds. When prompted, select OK to turn the device OFF.

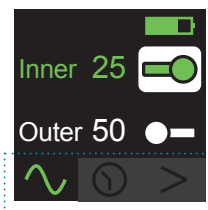


**NOTE:** Quickly tap the Power button to wake the device then click OK to unlock the Patient Controller. The controller interface will dim after 15 seconds and lock after 30 seconds of inactivity, but stimulation will continue. You can also lock the device by quickly tapping the Power button.

# Menu Options

The Patient Controller has a menu bar located at the bottom of the screen. Use the arrow buttons to highlight an icon in the menu bar. Select the highlighted icon by pressing the OK button on the Patient Controller. There are four screens to select:

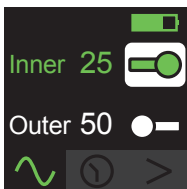
-  Stimulation status
-  Therapy timer
-  Bluetooth connectivity  
\* For manufacturer use only
-  Device Information



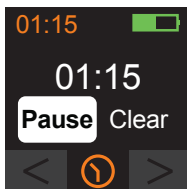
Menu Bar

## Patient Controller Screens

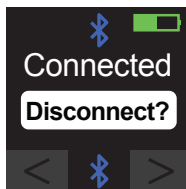
Stimulation  
Status



Therapy Timer



Bluetooth  
Connectivity



Device  
Information



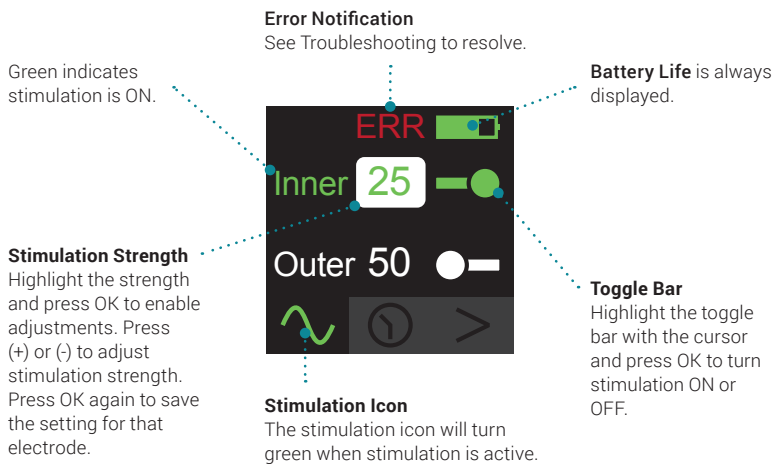
# Stimulation Tips

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Turn stimulation ON or OFF by using the toggle bars for the Inner and Outer Electrode(s).

Stimulation may be felt behind the ear at the Inner and Return Electrodes or in front of the ear at the Outer Electrode. When therapy is toggled ON, stimulation will slowly increase to the preset stimulation strength (0–50). When therapy is toggled OFF, stimulation will quickly decrease over three seconds. Lower the stimulation strength if stimulation is uncomfortable. If you notice any muscle spasms in your face or neck, you may need to slightly reposition the Earpiece (**Figure 1.3**).

When stimulation is active, it will cycle ON and OFF automatically – ON for five minutes and OFF for 10 seconds. It is normal to feel it increase and decrease in strength throughout therapy.



# Notifications

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**Top Light** – The top LED will flash periodically to indicate Stimulation status while the Patient Controller is locked.

- Green Light – A green flashing light means stimulation is active, and no errors are detected.
- Red Light – A red flashing light indicates an error. Unlock the Patient Controller by tapping the power button to wake the device then press OK. You should then see an error notification on screen. See the troubleshooting section to resolve the error.

**ERR** – A minor system error is detected. See the Troubleshooting section on pages 12–13 for help resolving error notifications.

**Low Battery Icon** – Power OFF the Patient Controller and replace the batteries with three new AAA batteries. Power ON the Patient Controller and resume therapy. Expected battery life is 2–3 days, depending on use.

Top Light

ERR

Low Battery Icon



# Troubleshooting

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## **What does “ERR” at the top of the screen mean?**

A low battery, mild impedance error, or slight system disconnection is detected. Check battery level and ensure all three electrodes on the Earpiece are making full contact with the skin. While troubleshooting, stimulation must complete ramping before the ERR alert will clear.

## **Loose Earpiece. Check connection at ear and cable.**

Gently press each Electrode to the skin to improve adherence. If doing so does not fix the error, disconnect the Earpiece from the Cable, then reinsert. Resume therapy and allow stimulation to complete ramping.

## **The Cable or Earpiece is disconnected.**

Check the Cable Jack connection at the Patient Controller end. Ensure the Earpiece end is inserted fully into the Cable Connector and that each Electrode is adhered to the skin. If doing so does not fix the error, disconnect the Earpiece from the Cable, then reinsert. Stimulation will be turned OFF automatically when the Cable or Earpiece is disconnected. Resume therapy and allow stimulation to complete ramping. Re-insert the Earpiece end into the Cable connector if the Alert reappears after turning stimulation back ON.

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### **Skin irritation around the ear**

The Sparrow Earpiece is latex free; however, if you experience any skin irritation from use, please discontinue use of the Earpiece until skin irritation has resolved. Apply a dermatologist-recommended ointment for sensitive skin, such as Aquaphor healing ointment. Medicated ointments are not recommended. If irritation does not improve within 24 hours, contact your physician.

### **Cleaning**

Earpieces are daily disposable and can be thrown away in your normal trash. You should change the Earpiece every 24 hours, or sooner if needed. Earpieces are not intended to be cleaned or reused. To clean the Patient Controller or Cable, wipe the outer case with a clean, damp cloth and then dry with a clean cloth or paper towel.



For more detailed instructions, see training videos and Instructions for Use at [SparrowRx.com/Resources](https://SparrowRx.com/Resources)



If additional support is needed, contact Spark Biomedical Customer Success 24/7 at (844) 654-SPRK (7775).



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Tools and Resources



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