

Discontinue use of the system and switch to your backup insulin therapy plan if the pump fails to beep during the pump self-test.

⚠ Damaging the inside of the pump which are exposed while changing the cassette or battery may affect pumping accuracy which may increase or decrease delivery and lead to low or high blood glucose.

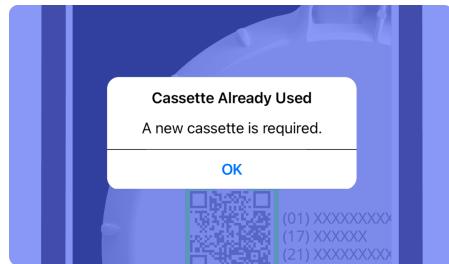
⚠ Dirt, lubricants, or liquids may contaminate the inside of the pump while it is detached from the cassette. Contamination may affect pumping accuracy, which may increase or decrease insulin delivery causing low or high blood glucose.

Scan Cassette

1. Tap **Scan Cassette** and position the QR code on the bottom of the cassette inside of the green box.



If you have already used the cassette, a *Cassette Already Used* notice is displayed.



Tap **OK** and get a new cassette package.

Cassette Fill Volume

1. Using the picker, select your desired **Cassette Fill Volume**.

The twiist automated insulin delivery system will remember your last selected cassette fill volume.

This should be enough insulin to last you 2 to 3 days, and must be a minimum of 100 Units and a maximum of 300 Units.

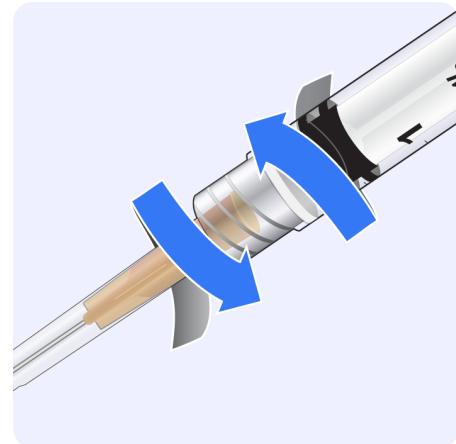
2. Tap **Next**.

Fill the Cassette

Follow the insulin manufacturer's instructions for handling and use.

 Allow insulin to adjust to room temperature before filling the cassette.

1. Wipe the top of the insulin vial with an alcohol wipe.
2. Open a new syringe and needle.
3. Attach the needle to the syringe luer connector by twisting until finger tight.



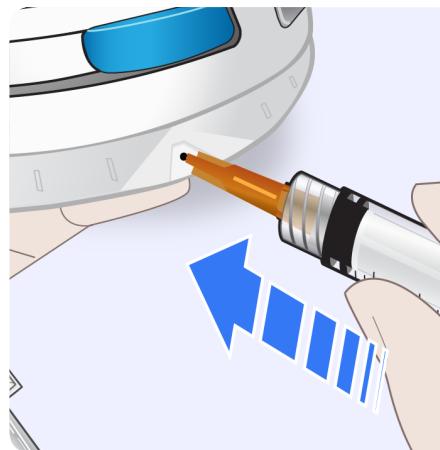
4. Remove the cap from the needle and pull the syringe plunger out to the amount needed to fill the cassette.
5. Insert the needle into the vial
6. Press down on the syringe plunger to inject air into the vial, pressurizing it.

7. While still holding the syringe, flip the vial so it is above the syringe and slowly pull down on the plunger to fill the syringe with the amount you had selected during cassette setup.



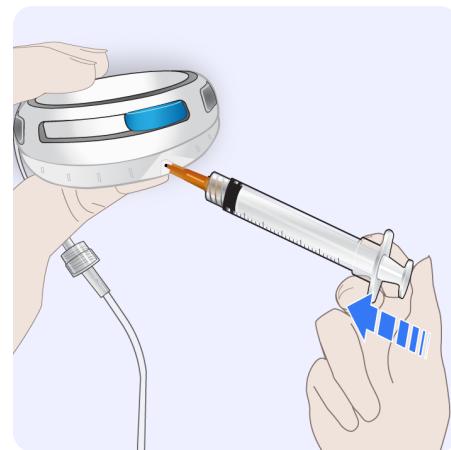
8. With the needle pointing upward, and still inserted in the vial, tap on the syringe to remove any visible air bubbles.

9. Remove the needle from the insulin vial.
10. Gently insert the needle straight into the cassette filling port. Do not force the needle.



11. Push the syringe plunger down to fill the cassette. Keep holding the plunger down as you remove the needle.

If you cannot press the syringe plunger, remove the needle and try inserting again.



12. Dispose of the used needle and syringe in a *Sharps Container*.

Contact your local authorities to determine the proper method for disposing of needles and syringes. Improper disposal of these items may result in injury to the operator and others from exposure to sharp or contaminated components.

13. Tap **Next** to continue.

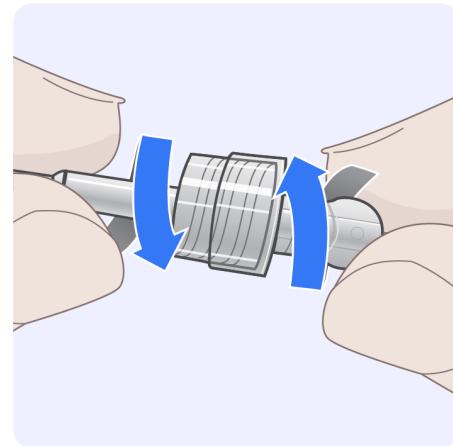
⚠ Do not fill the cassette with cold insulin. Filling the cassette with cold insulin may result in delivery errors that may lead to harm.

⚠ Do not fill a cassette before you plan to use it. Filling a cassette before you plan to use it may result in spoilage or a change to the potency or purity of insulin, which may lead to harm.

⚠ Do not fill or prime the cassette and infusion set tubing while connected to your infusion site. Connecting the infusion set tubing during filling and priming may lead to the unintended over delivery of insulin which may result in low blood glucose.

Attach New Infusion Set Tubing

1. Open a new infusion set package.
2. Attach the infusion set tubing to the cassette by twisting the luer connectors together.



3. Tap **Next** to continue.

Prime the Infusion Set

1. On the twiist app screen, tap **Start Prime**.

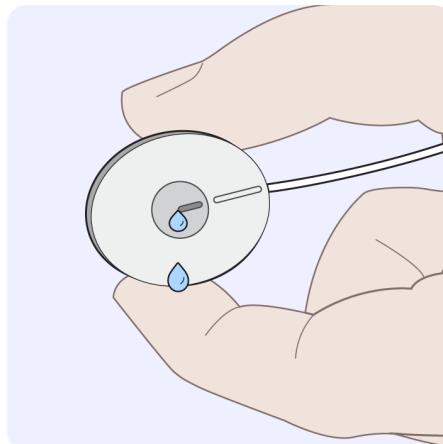
A series of *Priming* sounds will be played by the pump as priming occurs. Priming progress will be displayed above the *Stop Prime* button.

 The pump sound will not be played when *Quiet Mode* is enabled.



2. Watch for drops to appear at the end of the infusion set tubing.

Drops of insulin at the end of the infusion set tubing indicates the cassette and tubing are primed.



3. Tap **Stop Prime**.

If you do not stop priming, the pump will automatically stop and a *Prime Stopped* notice is displayed. *See "Prime Stopped" on page 172.*

4. Tap **Yes** to confirm that priming is complete.

If you tap *No*, you are returned to the prime steps. Tap **Resume Prime** to continue.

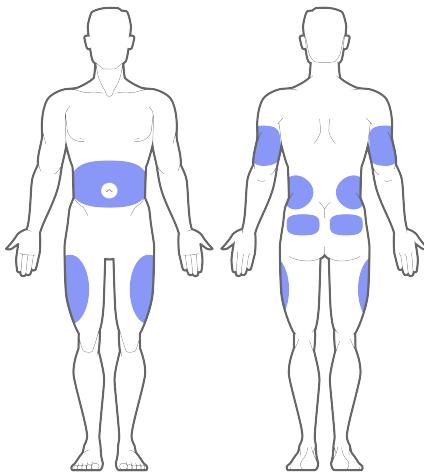
5. Check for leaks around the cassette and infusion set tubing. If leaks are visible, replace the cassette and infusion set tubing.

Infusion Site Selection

An infusion site can be inserted anywhere on your body where insulin would normally be injected. Absorption can vary from site to site, and should be reviewed with your certified twiist trainer or your healthcare provider.

Infusion sites that are commonly used include:

- abdomen
- upper buttocks
- hips
- under arms
- upper legs



If you are using the abdominal area for your infusion site:

- Avoid areas that may constrict the site, such as the waistline, beltline, or where the body naturally bends.
- Avoid the area two inches around your belly button.
- Keep the infusion site at least 3 inches from your CGM.

- Avoid placing the infusion site on scars, moles, stretch marks, and tattoos.

Site Rotation

The infusion set must be replaced every 48-72 hours or based on instructions from your healthcare provider. Using the same infusion site may cause scarring. Establish a schedule to rotate your infusion site that works best for you. Only use approved infusion sets with the twiist automated insulin delivery system.

Keep the Site Clean

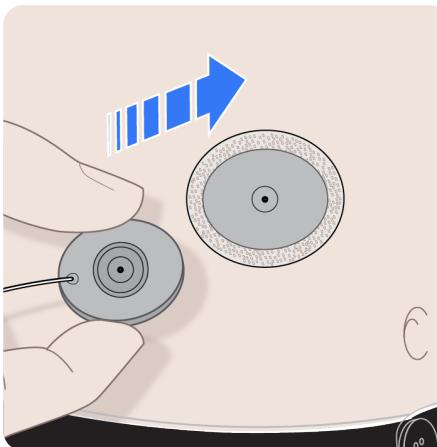
Always use clean technique when inserting and connecting to the infusion site to avoid infection. Wash your hands and use alcohol wipes to clean the infusion site.

Skin Adhesive

Adhesives can prevent the infusion set from slipping or being pulled out. Adhesives for your infusion site can be useful when participating in sports or exercise, and while in hot climates. Infusion set tubing can be looped and taped to the skin 1-2 inches from the infusion site.

Connect Tubing to Infusion Site and Start Basal

1. Clean the infusion site with an alcohol wipe.
2. Insert the infusion set cannula per the manufacturer instructions.
3. Connect the primed infusion set tubing from the pump to the infusion site.



4. Route the infusion set tubing to avoid kinks.

5. Confirm your **Cannula Fill** volume according to your infusion set manufacturer instructions.

If you need to edit, tap **Fill Cannula** to open the picker and adjust the cannula fill volume.

Tap **Done** to continue.

6. Confirm **Cassette Fill Volume** matches what you filled the cassette with.

7. To begin insulin delivery, tap **Start Basal**.

The pump will play the *Delivering* sound.

 The pump sound will not be played when *Quiet Mode* is enabled.

The *Home Screen* will display a *Temporary Status Banner* indicating the cannula fill is in progress.

The *CGM Status* may display *Connecting with CGM* to let you know your pump is reconnecting to your CGM.

8. Check the infusion set for air bubbles daily and monitor your glucose as advised by your healthcare provider. Bubbles in the infusion set tubing may cause over or under delivery.

Fill Cannula

Your infusion set cannula is filled during the cassette change process when you replace your infusion site. If you need to change your infusion site for any reason, outside of cassette change, you may need to fill your cannula before you resume insulin delivery.



Cannula fills are not counted towards your Active Insulin.

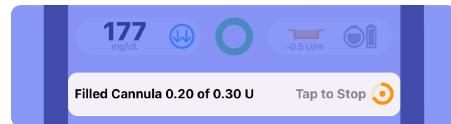
To change the cannula fill volume and deliver a cannula fill:

1. While insulin delivery is in progress, tap the **Pump Status** icon on the *Home Screen* to open the *Pump Menu*.
2. Tap **Fill Cannula**.

3. Tap **Cannula Fill Volume** to open the picker and adjust the cannula fill volume according to your infusion set manufacturer instructions.
4. Tap **Done** to continue.
5. Tap **Fill Cannula**.
6. Tap **Confirm** to deliver the cannula fill or tap **Cancel** to go back to the *Cannula Fill Volume* screen.

If you changed the *Cannula Fill Volume*, it will be saved for future deliveries.

The *Filled Cannula* progress will be displayed on the *Temporary Status Banner*.



Stop Cannula Fill

To stop a cannula fill in progress:

1. Tap on **Tap to Stop** on the *Temporary Status Banner*.



2. Tap **Yes** to confirm that you would like to stop the cannula fill or tap **No** to cancel.

Battery Change

A *Battery Change* may need to be completed if a battery that was not fully charged was used to begin insulin delivery during your last *Cassette Change*.

Start Battery Change

1. Tap the **Pump Status** icon on the *Home Screen* to open the *Pump Menu*.
2. Tap **Change Pump Battery**.

Gather your Supplies

The following supplies are needed for a battery change:

- A fully charged pump battery
- Your pump

A fully charged pump battery is indicated by a green status light on the pump battery charger.

1. Tap **Start Battery Change** when you have gathered your supplies.

Suspend Insulin Delivery

If insulin delivery is in progress, it must be suspended to continue with a battery change.

A message is displayed asking if you are sure you want to suspend insulin delivery.

1. Tap **Confirm** to verify you want to suspend insulin delivery.

The pump will play the *Delivery Stopped* sound.

 The pump sound will not be played when *Quiet Mode* is enabled.

Disconnect from Infusion Site

1. Disconnect the infusion set tubing from your infusion site.

Refer to your infusion set manufacturer instructions.

2. Tap **Next**.

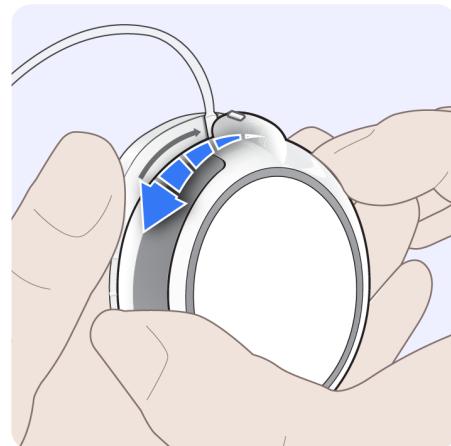
⚠ Before removing the cassette from your pump, disconnect the infusion set tubing from your infusion site. Unintended delivery of medication may occur, leading to low blood glucose, if the cassette is removed from the pump before disconnecting from the infusion site.

Remove Cassette from Pump

Avoid unnecessary contact with the inside of the pump and cassette which are exposed during a battery change.

Keep dirt, lubricants, and liquids away from the inside of the pump and cassette which are exposed during a battery change.

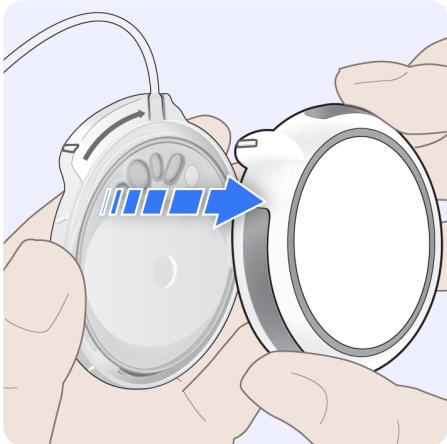
1. Holding the cassette still, rotate the pump counterclockwise until the ridges on the pump-bump and the top of the cassette are aligned.



The pump will play a *Ready* beep.

 The pump sound will not be played when *Quiet Mode* is enabled.

2. Remove the cassette from the pump.



3. Place your cassette and infusion set tubing aside.

Replace Pump Battery

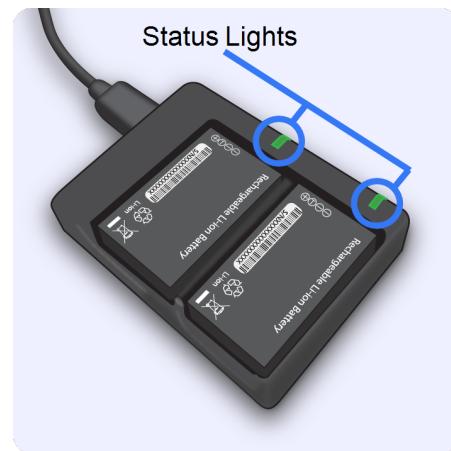
1. Remove the battery from the pump.



2. Insert the depleted battery into the battery charger.

3. Get a fully charged battery from the battery charger.

This is indicated by a green status light on the battery charger.



4. Insert the fully charged battery into the pump.



When the battery is inserted successfully, the pump will play a quick beep followed by a *Ready* beep and the twiist app will advance automatically.

Wash your Hands

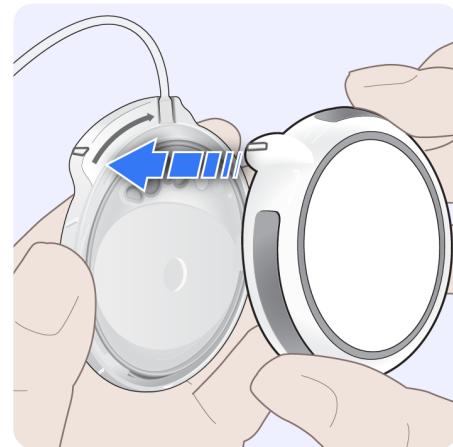
1. Wash your hands with soap and water.



Attach Cassette to Pump

Avoid unnecessary contact with the inside of the pump and cassette which is exposed during a battery change.

1. To attach the cassette to the pump, align the ridges on the pump-bump and the top of the cassette.



- Push down and rotate the pump clockwise so the ridge on the pump-bump is aligned with the infusion set tubing.

If the cassette is not properly attached, a *Reattach Cassette* alert is displayed. Remove and attach the cassette to continue.



A series of *Busy* beeps will be played by the pump while the pump conducts a self-test. The self-test is displayed on the twiist app.

- Wait for the self-test to complete before continuing.

Discontinue use of the system and switch to your backup insulin therapy plan if the pump fails to beep during the pump self-test.

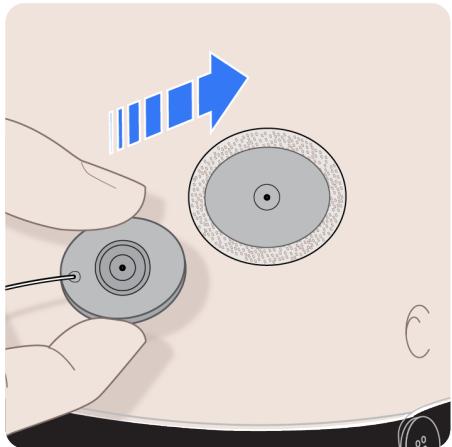
⚠ Do not connect infusion set tubing to your infusion site before the pump completes self-test. Connecting infusion set tubing to your infusion site during self-test may lead to unintended delivery of insulin, which may lead to low blood glucose.

⚠ Damaging the inside of the pump which are exposed while changing the cassette or battery may affect pumping accuracy which may increase or decrease delivery and lead to low or high blood glucose.

⚠ Dirt, lubricants, or liquids may contaminate the inside of the pump while it is detached from the cassette. Contamination may affect pumping accuracy, which may increase or decrease insulin delivery causing low or high blood glucose.

Connect Tubing to Infusion Site and Start Basal

1. Connect the primed infusion set tubing from the pump to the infusion site.



2. Route the infusion set tubing to avoid any sources of kinks that may introduce a *Line Blocked* alarm.

If you have replaced your infusion site and need to fill your cannula, tap on the **Fill Cannula** toggle and verify the *Fill Cannula* volume according to your infusion set manufacturer instructions.

3. To begin insulin delivery, tap **Start Basal**.

The pump will play the *Delivering* sound and a *Basal Delivery Started* message is displayed.

 The *Delivering* sound will not be played when *Quiet Mode* is enabled.

If you chose to fill the cannula, the *Home Screen* will display a *Temporary Status Banner* indicating the cannula fill is in progress.

The *CGM Status* may display *Connecting with CGM* to let you know your pump is reconnecting to your CGM.

4. Check the infusion set for air bubbles daily and monitor your glucose as advised by your healthcare provider. Bubbles in the infusion set tubing may cause over or under delivery.

Delete Pump

The twiist app can only be paired to one pump at a time. If you need to pair to a new pump, you will need to delete the existing pump.

1. Tap **Pump Status** icon.
2. Tap **Delete Pump**.
3. Tap **Delete Pump** again to confirm.
4. Follow instructions to "[Pair a New Pump](#)" on the facing page.

Pair a New Pump

Your iPhone must be connected to the internet to pair a new pump.

If at any time the internet connection is lost while you are attempting to pair the pump, an *Internet Connection Required* notice is displayed. Tap **OK** and connect to the internet.

If at any time your Bluetooth connection is lost while you are attempting to pair the pump, a *Bluetooth Required* notice is displayed. Tap **OK** and enable Bluetooth.

1. Remove the pump cover by holding the pump cover in one hand and rotating the pump counterclockwise with the other hand.

2. Store the pump cover in a safe, easily accessible location along with this user guide and your other system accessories.

 Keep dirt, lubricants, and liquids away from the inside of the pump.

3. Tap **Add Pump** on the *Home Screen*.



4. Obtain a fully charged battery from the pump battery charger. This will be indicated by a green status light on the battery charger.
5. Insert the battery into the pump so the contacts on the battery are aligned with the contacts in the pump.

The pump will play a quick beep followed by a *Ready* beep.

6. Place the pump and iPhone close together and away from other wireless devices during pairing.
7. Tap **Pair Pump** to continue.

If your pump is not discovered, Press and hold the **pump button** for approximately 5 seconds until you hear a *Ready* beep, and then release the button.

8. Tap on the **serial number** of your pump displayed within *Discovered Pumps*.

To pair your pump by taking a photo:

1. Tap **Take Photo**.

You must allow the twiist app access to your iPhone camera in order to pair by taking a photo.

2. Hold your iPhone above the pump so the pump label is in focus within the camera area. When the camera has focused, a picture will be taken automatically.

The pump PIN will be copied automatically.

3. Tap **Connect**.

4. Tap **Confirm** to verify that the serial number matches the one found on the pump label.

5. Tap in the *Bluetooth Pairing Request* field to display the *Paste* option.

6. Tap **Paste** to enter the pump PIN.

7. Tap **Pair**.

8. Follow the *Cassette Change* steps starting from "*Cassette Fill Volume*" on page 88.

To pair your pump by manually entering the pump serial number and PIN:

1. Tap **Enter Manually**.

2. Tap **Connect**.

3. Tap **Confirm** to verify that the serial number matches the one found on the pump label.

4. Using the keypad, enter the 6 digit PIN found on the pump label.

5. Tap **Pair**.

6. Follow the *Cassette Change* steps starting from "*Cassette Fill Volume*" on page 88.

Pair Your Existing Pump

In the event that you delete the pump from the twiist app you will need to pair to your pump again.

Your iPhone must be connected to the internet in order to pair a pump.

If at any time the internet connection is lost while you are attempting to pair the pump, an *Internet Connection Required* notice is displayed. Tap **OK** and connect to the internet.

If at any time your Bluetooth connection is lost while you are attempting to pair the pump, a *Bluetooth Required* notice is displayed. Tap **OK** and enable Bluetooth.

1. Disconnect your infusion set tubing from your infusion site.

2. Disconnect the cassette from the pump and remove the pump battery.
3. From the *Home Screen*, tap **Add Pump**.



4. Insert a pump battery into the pump.

The pump will play a quick beep, followed by a *Ready* beep.

5. Tap **Pair Pump**.
6. Press and hold the **pump button** for approximately 5 seconds until you hear a *Ready* beep, and then release the button.
7. Tap on the **serial number** of your pump displayed within *Discovered Pumps*.

Before you can continue pairing your pump again, you need to forget the pump in your *Bluetooth Settings*.

8. Open iPhone **Settings**.
9. Tap **Bluetooth**.
10. Tap **i** next to your pump serial number.



11. Tap **Forget This Device**.
12. Tap **Forget Device** to confirm.

Your pump will be removed from the Bluetooth devices.

[To pair your pump by taking a photo:](#)

1. Tap **Take Photo**.

You must allow the twiist app to access to your iPhone camera in order to pair by taking a photo.

2. Hold your iPhone above the pump so the pump label is in focus within the camera area. When the camera has focused, a picture of the pump will be taken automatically.

The pump PIN will be copied automatically.

3. **Tap Connect.**

If you did not follow the steps to *Forget This Device*, the twiist app will display a *Pump Pairing Failed* notice. Tap OK and go back to [Step 8](#).

4. **Tap Confirm** to verify that the serial number matches the one found on the pump label.

5. Tap in the *Bluetooth Pairing Request* field to display the *Paste* option.
6. Tap **Paste** to enter the pump PIN.
7. Tap **Pair**.
8. Follow the *Cassette Change* steps starting from "[Cassette Fill Volume](#) on page 88.

To pair your pump by manually entering the pump serial number and PIN:

1. Tap **Enter Manually**.

2. **Tap Connect.**

If you did not follow the steps to *Forget This Device*, the twiist app will display a *Pump Pairing Failed* notice. Tap OK and go back to [Step 8](#).

3. **Tap Confirm** to verify that the serial number matches the one found on the pump label.

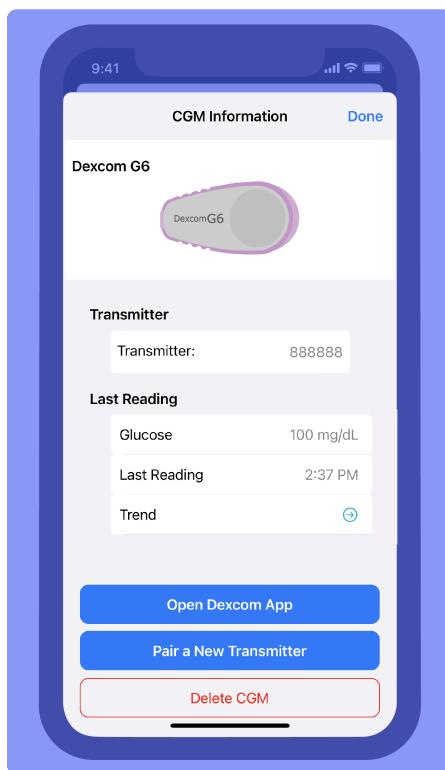
CGM Information

For additional information about your CGM, tap the *CGM Status* icon on the *Home Screen*.

To interact with your CGM tap **Open Dexcom App**.

If you need to pair a new transmitter, tap **Pair a New Transmitter** and follow steps to *Add CGM*.

If you need to delete your CGM, tap **Delete CGM** and follow steps to *Add CGM*.



Add CGM

Always refer to the Dexcom G6 manufacturer instructions for guidance on proper use of your CGM.

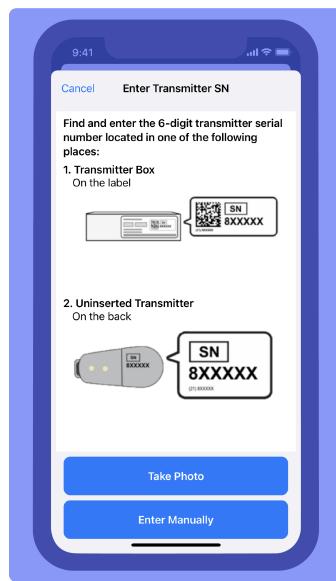
In order to connect a Dexcom G6 CGM with the twiist AID system, install the Dexcom G6 app on your iPhone. do not pair your Dexcom G6 with the Dexcom G6 receiver.

To update or view Dexcom G6 CGM settings, use the Dexcom G6 app.

1. Tap on **Add CGM** in the *CGM Status Icon* on the *Home Screen* or tap **Settings** on the *Toolbar* and tap **Add CGM**.



2. Find and enter the **6-digit transmitter serial number** located on the transmitter box label, or on the back of the uninstalled transmitter. You can pair your transmitter by taking a photo or by entering it manually.
3. Tap **Take Photo** or **Enter Manually** to enter the CGM transmitter serial number.



The first time you use your camera for CGM or pump pairing, you will be prompted to allow the twiist app access to your iPhone camera.

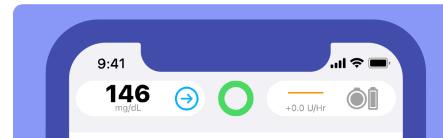
4. Tap **Next**.

5. Tap **Confirm** to confirm the transmitter serial number.
6. Tap **Open Dexcom G6 app**.
7. Complete any required configuration within the Dexcom G6 app.
8. Return to the twiist app.

The **CGM Status** icon will display *Connecting with CGM*.



When the CGM is connected, the **CGM Status** will display your CGM glucose reading and rate of change arrow.



Help

The *Help* feature allows you to review the following training topics:

- Introduction
- How the App Works
- A Day in the Life
- When *Loop* is Off

1. Tap the **Settings**  button on the *Toolbar*.
2. Tap **Help**.
3. Tap on any of the topics to expand and select the subject you would like to start from.
4. Once you have selected a subject you can navigate through the training using the following buttons:
 - To continue reviewing help content tap **Continue**.
 - To review the previous screen tap **Back**.

- To close and return to the help menu tap **Close**.

Report an Issue

The *Report an Issue* feature is used to report troubleshooting data to Sequel.



You must be connected to the internet to report an issue.

If you are experiencing a medical emergency you should contact emergency services.

 If the twiist automated insulin delivery system fails to work as described within this user guide, stop using the system and switch to your backup insulin therapy. Using the system when it is not working as described within this user guide may lead to harm.

1. Tap the **Settings**  button on the *Toolbar*.
2. Tap **Report an Issue**.
3. Tap **Reason** and select the issue from the drop down menu.
4. Enter a description of the issue.
5. Tap **Report Issue**.

The screen will display *Preparing Data*. This can take several minutes to complete.

Report Submitted is displayed when the issue has been sent successfully.

About

About provides information about the twiist pump and app, hardware and software versions.

1. Tap the **Settings**  button on the *Toolbar*.
2. Tap **About**.

Basal Delivery

Your current basal rate is displayed on the home screen above the *Insulin Delivery Chart*.



When *Loop* is on, the twiist automated insulin delivery system adjusts your basal insulin in an effort to reduce high and low glucose.

The twiist AID system uses your settings, current CGM glucose, *Active Insulin*, and *Active Carbohydrates* in order to make predictions about where your glucose is going in the future and makes calculations to adjust your basal as often as every five minutes.

 If *Loop* is off, basal delivery will follow your scheduled basal rates.

Your current basal rate and any increases or reductions to your basal rate made by the twiist AID system are displayed on the *Home Screen* within the *Insulin Delivery Status* icon and the *Insulin Delivery Chart*.

The *Insulin Delivery Status* icon will display your scheduled, reduced, or increased basal depending on the adjustment to your background insulin delivery.

When to use a Blood Glucose Meter



The twiist automated insulin delivery system allows you to manually enter fingerstick glucose values from a blood glucose (BG) meter.

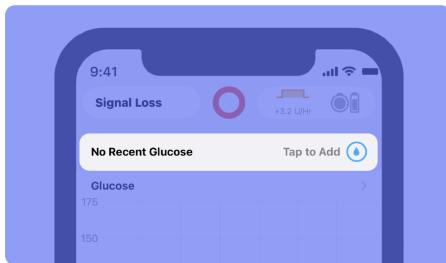
Fingerstick values should be entered:

- During CGM warm-up
- During CGM signal loss
- When you want to deliver a bolus but do not have recent CGM glucose data
- When no CGM has been added

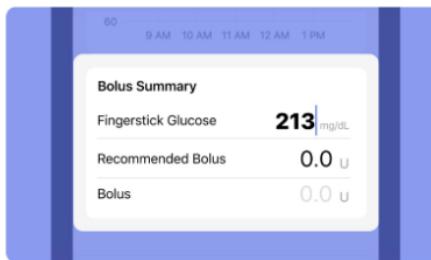
You can add a fingerstick value directly from the *Temporary Status Banner* on your *Home Screen* when *Loop* is on and no CGM data is currently available or when you enter a meal or correction bolus.

The twiist AID system can use your fingerstick values to adjust your bolus recommendations and basal insulin when no CGM value is available. This will occur during CGM signal loss, or while a new CGM is starting up.

1. Tap **No Recent Glucose** in the temporary status banner.



2. Enter a **Fingerstick Glucose** reading from your blood glucose meter.



After you enter a fingerstick value, a bolus may or may not be recommended.

 The twiist AID system is designed to work best with CGM glucose. Some features of automated insulin delivery may be less effective when CGM values are unavailable.

Bolus Delivery

A bolus can be delivered using the *Carb Entry* or *Bolus* buttons on the twiist app toolbar, or directly on the pump using the *One-Button Bolus* feature.

Monitor your blood glucose and consult with your healthcare provider if your glucose continues to rise following the delivery of a bolus.

Bolus Types

When *Loop* is on, the twiist automated insulin delivery system delivers all boluses as a *normal bolus*.

When *Loop* is off, the twiist system can deliver a *normal bolus*, *extended bolus*, or *dual bolus*.

- A *Normal Bolus* delivers insulin all at once.

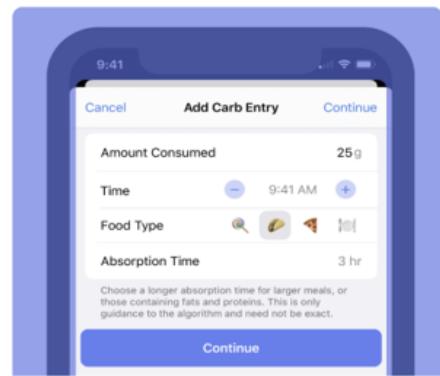
- An *Extended Bolus* delivers insulin over an extended period of time.
Extended Bolus is an advanced use feature that is disabled by default.
- A *Dual Bolus* delivers some of your bolus now as a normal bolus, and some over an extended time as an extended bolus.
Dual Bolus is an advanced use feature that is disabled by default.

Meal Bolus

There are two methods within the twiist app to enter the carbs you have already eaten or plan to eat in order to deliver a bolus for your meal.

When Loop is on:

1. Tap the **Carb Entry**  button to enter details about what you have already eaten or plan to eat. You can also tap the **Active Carbohydrates** chart and .
2. Tap **Amount Consumed** and enter the grams of carbs you have already eaten or plan to eat.



3. Tap **Time** and use the picker, or tap – or + to select the time (in 10 minute increments) for when you consumed carbs or are planning to consume carbs.

Time can be entered for up to 1 hour into the future and up to 12 hours into the past.

4. Tap on a **Food Type** emoji to select an absorption time.

Absorption Time

 Absorption time is a concept that may be new to you if you are coming from insulin injection therapy, or pump therapy without automated adjustment of basal delivery.

Different food types can affect glucose in different ways. Some foods may raise glucose quickly and others more slowly over time.

This difference in time and effect on glucose is called *absorption time*.

You can estimate how many hours you think a food may continue to impact your glucose by selecting a food type emoji preset to indicate:



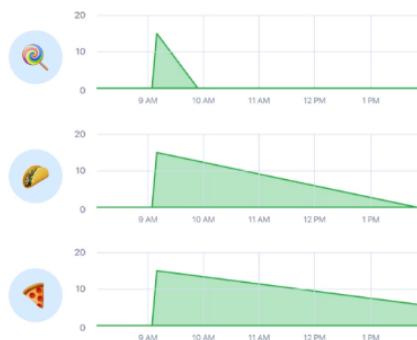
Fast carb effect: 30 minutes



Medium carb effect: 3 hours



Slow carb effect: 5 hours

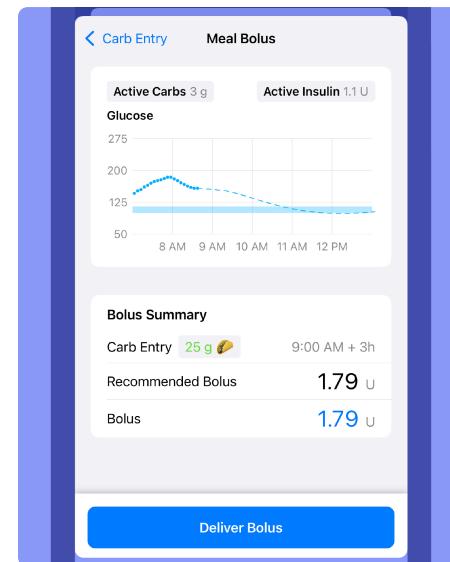


5. Tap on **Absorption Time**.
6. Use the picker to select an absorption time from 30 minutes to 8 hours.

Choose a longer absorption time for larger meals, or those containing fats and proteins.

This is only an estimate and does not need to be exact.

7. Tap **Continue**.
8. Review the *Active Carbs* and *Active Insulin*, and *Recommended Bolus* displayed within the *Meal Bolus*.



9. Tap **Deliver Bolus**.
10. Enter your iPhone passcode (or Face ID, or Touch ID) to authenticate.

The pump plays the *Delivering* sound, and the *Temporary Status Banner* shows the bolus delivery in progress.

 The *Delivering* sound will not be played when *Quiet Mode* is enabled.



A *Bolus*  icon will be displayed on the *Insulin Delivery Chart* indicating that a bolus has been delivered.



If *Delivery in Progress* is displayed instead of *Deliver Bolus*, you will need to wait until the current bolus delivery is complete before delivering another bolus.



 There may be times a bolus will not be recommended after carb entry. This can happen when:

- You have enough active insulin to cover the carbs you have entered.
- Your glucose is predicted to be below your *Correction Range*.

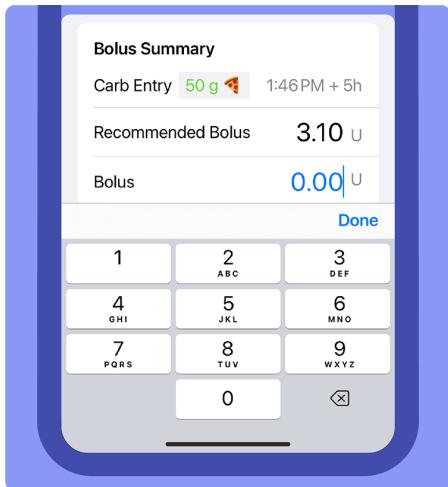
When *Loop* is on, you should not modify the bolus to be greater than the recommended value.

The tuiist automated insulin delivery system is making adjustments to your basal delivery to keep you near your correction range.

Modifying a bolus to be greater than the recommended value can lead to glucose falling below your *Glucose Safety Limit* and may increase your risk of low blood glucose.

[To save the carb entry without bolusing:](#)

1. Tap on the bolus units and enter a **0.00 U** bolus amount.
2. Tap **Save without Bolusing**.



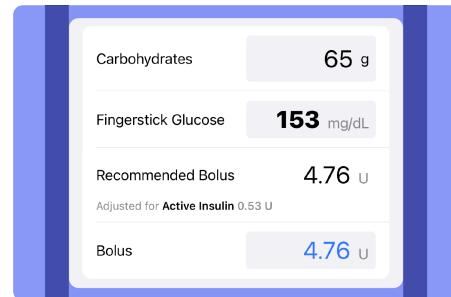
If you have eaten carbs that you have not told the twiist AID system about, go back and add those carbs so the best possible adjustments can be made.

For more detailed information about how the twiist AID system manages absorption time, [see "The Loop Algorithm" on page 237.](#)

When Loop is off:

1. Tap the **Carb Entry**  button on the *Toolbar*.
2. Tap **Carbohydrates** and enter the amount of carbs you have already eaten or plan to eat.
3. Tap **Fingerstick Glucose** and enter a fingerstick glucose reading.
4. Tap **Done** to hide the keypad.

If a bolus is recommended, you will see the amount in the *Recommended Bolus* and *Bolus* fields. You can accept it, or you can enter your own *Bolus* value using the keypad that appears when you tap into the *Bolus* field.



If the recommended bolus does not look right, go back to the *Home Screen* and check both your *Active Carbohydrates* and *Active Insulin*.

5. Tap **Next**.
6. Review the *Meal* bolus details.
7. Tap **Set Normal Bolus**.
8. Tap **Deliver Bolus**.
9. Enter your iPhone passcode (or Face ID, or Touch ID) to authenticate.

The pump plays the *Delivering* sound, and the *Temporary Status Banner* shows the bolus delivery in progress.

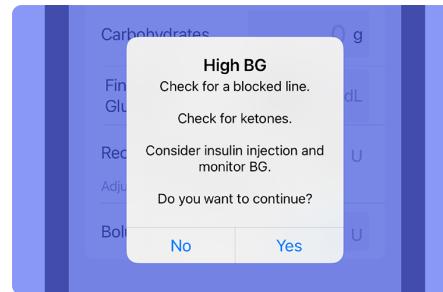
 The *Delivering* sound will not be played when *Quiet Mode* is enabled.



The *Bolus* icon  will be displayed on the *Insulin Delivery Chart* indicating that a bolus has been delivered.

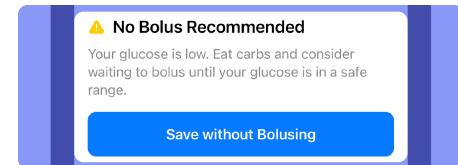


When entering fingerstick glucose, if you enter a value that is greater than 250 mg/dL, a *High BG* notification will be displayed asking if you want to continue.



1. Before selecting Yes or No:
 - Check for a blocked line
 - Check for ketones
 - Consider insulin injection and monitor BG
2. Select **Yes** to continue with the bolus, or **No** to exit the meal calculator.

If your glucose is below 70 mg/dL, a *No Bolus Recommended* caution will be displayed and you will be given the option to **Save without Bolusing**.

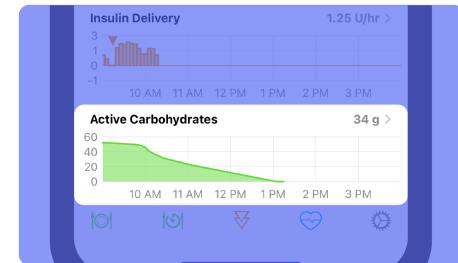


Delete or Edit Carb Entry

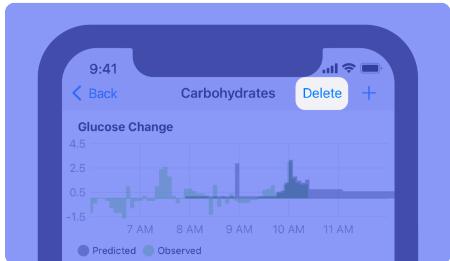
When *Loop* is on and carbs were logged that did not get eaten, or if information was incorrectly entered, you can delete or edit entries in the log.

Delete a Carb Entry

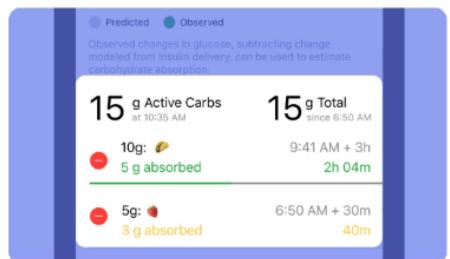
1. Tap the **Active Carbohydrates Chart**.



2. On the top of the **Carbohydrates** screen, tap **Delete**.



3. Tap the **-** icon next to the active carb you would like to delete.

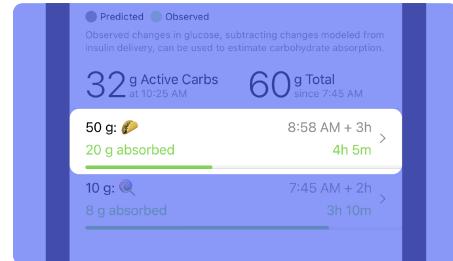


4. Tap **Delete**.

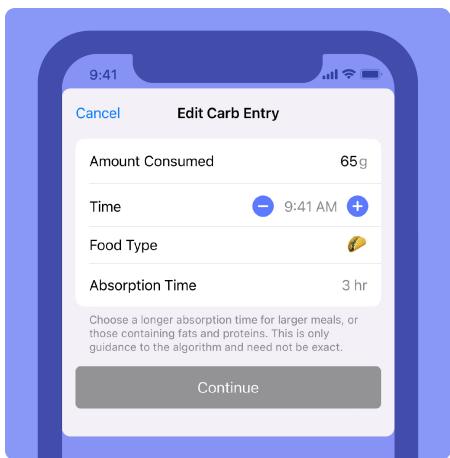
 The twist automated insulin delivery system will adjust your basal insulin based on your active carbohydrates. The more accurate the information you provide, the more effective it will be when you adjust your basal to keep you within your *Correction Range*.

Edit a Carb Entry

1. Tap the **Active Carbohydrates Chart**.
2. To change a carb amount or time, tap the **row of the entry** you want to change.



3. Within the **Edit Carb Entry** screen, tap on any of the values and make the necessary edits.



4. Tap **Continue**.

A **Bolus** may or may not be recommended.

If a bolus is not recommended, tap **Save without Bolusing**.

If a bolus is recommended, tap **Deliver Bolus**.

Save without Bolusing

There may be times when you want to enter your carbohydrates and save without delivering a bolus, such as when no bolus is recommended, or you would like to bolus for foods with different absorption rates.

If your glucose is below, or predicted to go below your *Glucose Safety Limit*, the twiist AID system will not recommend a bolus and a *No Bolus Recommended* caution will be displayed. Tap **Save without Bolusing**.

Bolus for Multiple Absorption Times

If you want to bolus for foods that have different absorption times, you may want to enter one food at a time and choose to *Save without Bolusing*. Once you have entered all of the food that you intended to eat, you can then bolus.

After entering your first food type and absorption time:

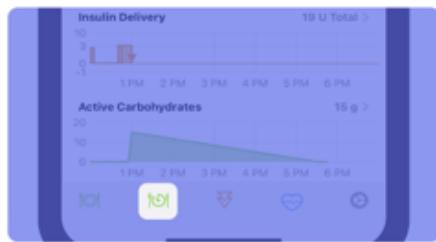
1. Tap **Continue**.
2. Tap into the **Bolus** field and set the **Bolus to 0.00 U**.
3. Tap **Save without Bolusing**.
4. Repeat the steps to enter another food type and absorption time.

The twiist AID system knows about all the active carbs you have entered when it makes a bolus recommendation.

Only 1 bolus can be delivered at a time.

- Once you have entered all the food types and absorption times, tap **Deliver Bolus**.

Pre-Meal Preset



The *Pre-Meal Preset* feature is only available when *Loop* is on.

When *Loop* is off, the twist system will not adjust your correction range or automate your basal insulin to bring you to your *Pre-Meal Range*. This button will appear grayed out on the toolbar.

If you would like *Loop* to temporarily lower your correction range before you begin eating so that your post-meal glucose spike is reduced, you can use the *Pre-Meal Preset*.

- Tap .
- Tap **Until I enter carbs**.

Using this feature before your meal tells *Loop* to adjust your basal insulin and lower your glucose *Correction Range* to your configured *Pre-Meal Range*.

The *Home Screen* will display a *Temporary Status Banner* showing the *Pre-Meal Preset* is in use and the time it will end if you do not enter carbs.

Your *Correction Range* will be updated within the *Glucose Chart*.

