



GETTING STARTED

MiniMed™ 630G Insulin Pump

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GETTING STARTED

WITH THE MINIMED 630G INSULIN PUMP

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**LET'S GET
STARTED!**

Getting Started with the MiniMed 630G Insulin Pump

Welcome! We are glad that you have chosen insulin pump therapy and are excited for you to begin using your insulin pump.


Whether you've chosen pump therapy because of its convenience, the flexibility it provides, or to help improve your glucose control, your pump will be a valuable tool in helping to manage your diabetes.

This guide provides step-by-step instructions on the basic operation and programming of your pump.

Using your pump to complete each practice exercise will help you become comfortable with the basics and prepare you for your in-person training. The information is presented in an order that will build your skills and knowledge.

During your in-person training, your trainer will build on this information and help ensure you are confident to begin pump therapy.

Here are some quick tips to keep in mind as you work through this information:

- Be sure you are not attached to your insulin pump while you practice.
- It's okay if you make a mistake. If you press the wrong button, use the  to go back to the previous screen and try again.
- If you do not touch a button for 15 seconds, the pump screen will turn dark. Press any button and the pump screen will return.
- Avoid the Reservoir & Tubing menu option as you practice. You will review these steps during your in-person training.

We hope you enjoy learning about your new insulin pump.



DID YOU KNOW? A complete explanation of the technical and operational aspects of your pump can be found in the *MiniMed 630G System User Guide*.

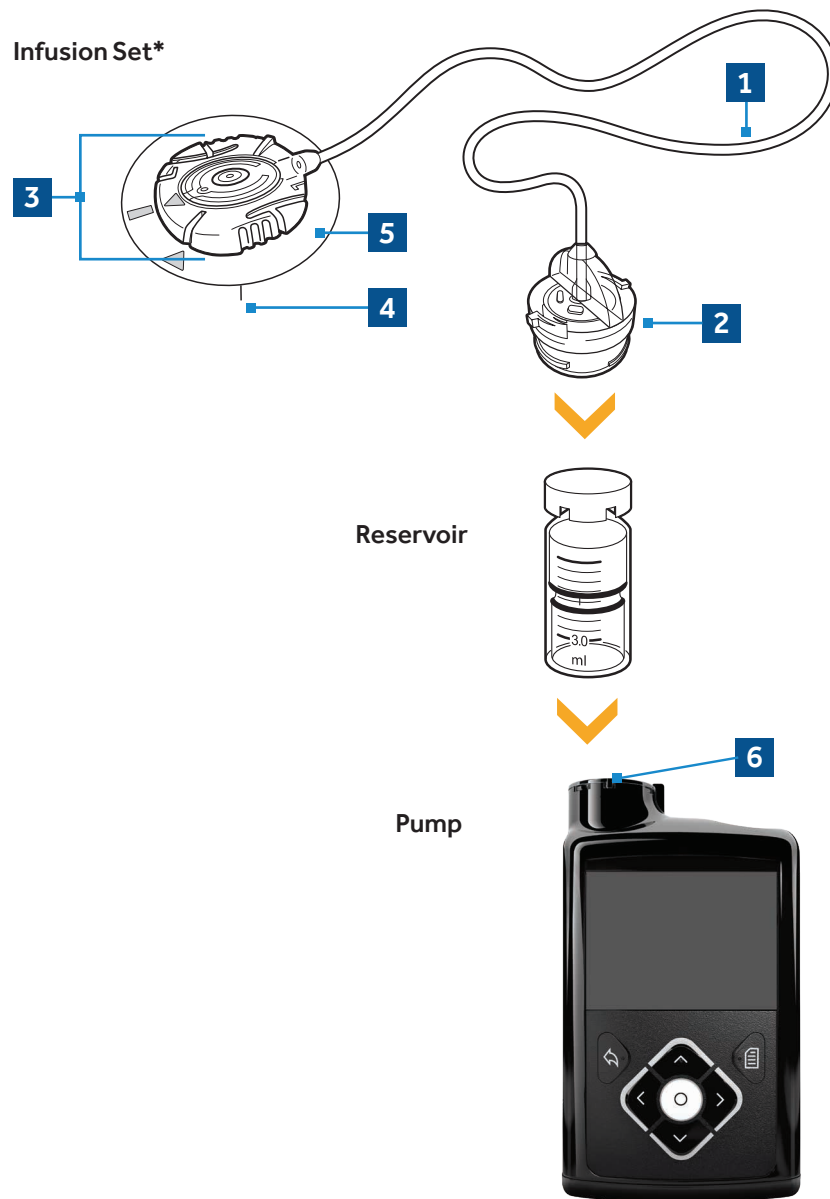


WARNING: Do not insert the reservoir until you have been instructed to do so by your healthcare professional and have received formal training with a certified product trainer. Attempting to use insulin in your pump before you have received training may result in the delivery of too little or too much insulin, which can cause hypoglycemia or hyperglycemia.

Pump Mechanics and the Delivery of Insulin

Before we begin, let's make sure you know how insulin is delivered when using an insulin pump. The parts that make up the pump's delivery system are the infusion set, the reservoir, and the pump.

- 1 Tubing
- 2 Tubing connector
- 3 Insertion site section
- 4 Cannula
- 5 Adhesive
- 6 Reservoir compartment



*Quick-set infusion set shown in illustration.

Infusion set

The infusion set consists of tubing (1) that carries insulin from the pump to you. On one end of the tubing is the reservoir connector (2) that attaches to the reservoir which holds the insulin. On the other end is the insertion site section (3) that attaches to you.

The insertion site section has a small insertion needle that places a tiny flexible tube called a cannula (4) into your body*. Once the infusion set is inserted, you remove the needle, leaving just the cannula behind. A small piece of adhesive (5) holds the infusion set in place. Replace your infusion set according to the length of time listed in the infusion set user guide.

Reservoir

The reservoir fits into the pump's reservoir compartment (6). Replace your reservoir according to the length of time listed in the reservoir user guide. The reservoir and infusion set are often replaced at the same time.



NOTE: The Medtronic Extended reservoir can be used for up to seven days, only when used with the Medtronic Extended infusion set.

Pump

Inside the pump, at the bottom of the reservoir compartment, is a piston. The piston acts like the plunger rod on a syringe, pushing up on the bottom of the reservoir, moving insulin into the tubing, through the cannula, and into your body.

The piston is controlled by a mini computer inside the pump that's able to deliver insulin in very small doses, sometimes as small as 0.025 units. It must be rewound each time a newly filled reservoir is placed into the reservoir compartment

*Some infusion sets do not use a cannula but have a small needle that remains inserted in the body.

Section 1: Pump Basics

Before inserting the battery or pressing any buttons, let's take a closer look at your pump.

The Front of Your Pump

^ Up, v Down, < Left and > Right

- Press to scroll up or down through a menu or list
- Press to move to desired area on the screen
- Press to change the value in an area

↶ Back

- Press to return to a previous screen
- Press and hold to return to the starting screen, called the Home screen

○ Select

- Press to select or confirm a value or menu option that is highlighted
- Press when directions say 'select'

☰ Menu

- Press to get to the Menu
- Press and hold to put pump into Sleep mode

● Notification Light

- Flashes when an Alert or an Alarm is occurring



The Bottom of Your Pump



Medtronic Diabetes Helpline Telephone Number

For product assistance, call this number to be routed to your local support team.

The Back of Your Pump



Pump Serial and Model Number

You may need to provide these numbers if you call for assistance.

Attaching the Skins

You have received skins to attach to the back of the pump and the front of the pump clip. You can find these with the accessories. In addition to personalizing the look of your pump, skins provide additional protection against surface scratches. Apply the skins using the instructions provided with them.



Inserting the Battery

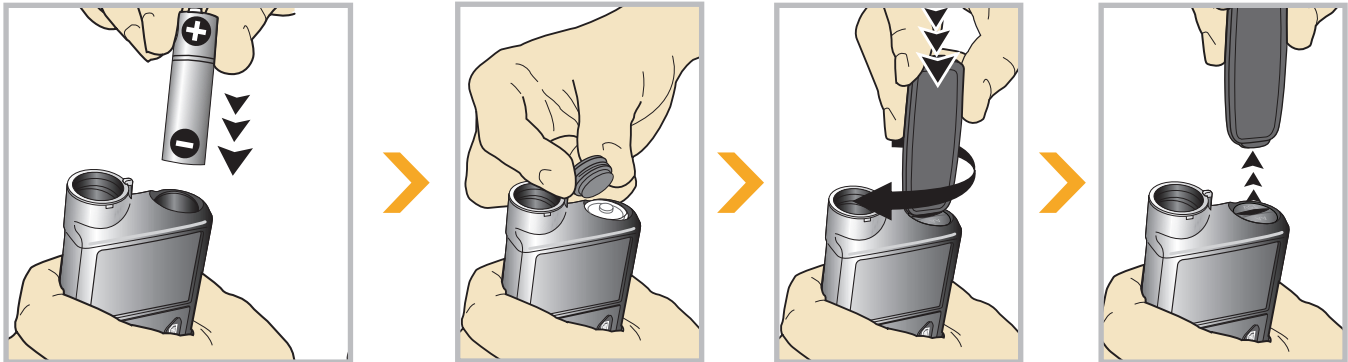
Your insulin pump is powered by a AA battery. A lithium, alkaline, or rechargeable AA battery can be used. The battery you place into your pump should always be new or fully charged.



DID YOU KNOW? Lithium batteries have been shown to have the longest battery life. Batteries should be stored at room temperature, not in the refrigerator or other cold locations

To insert the battery and get started, you will need:

- The battery cap found with the pump
- The pump clip found with the accessories
- The AA battery found with the accessories

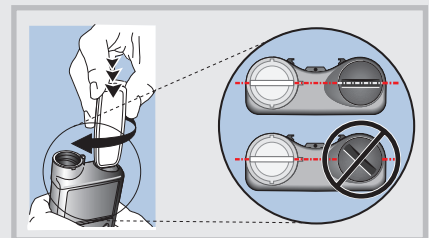


STEP 1. Place the battery into the battery compartment with the negative (flat) end going in first

STEP 2. Place the battery cap onto the pump. Use the edge of the pump clip to turn the cap to the right (clockwise) and tighten until the slot is horizontal to the pump. See image below.



CAUTION: Do not overtighten or undertighten the battery cap. Overtightening the battery cap can cause damage to your pump case. Undertightening the battery cap will prevent the pump from recognizing the new battery. Turn the battery cap clockwise until the cap is aligned horizontally with the pump case, as shown in the following example.



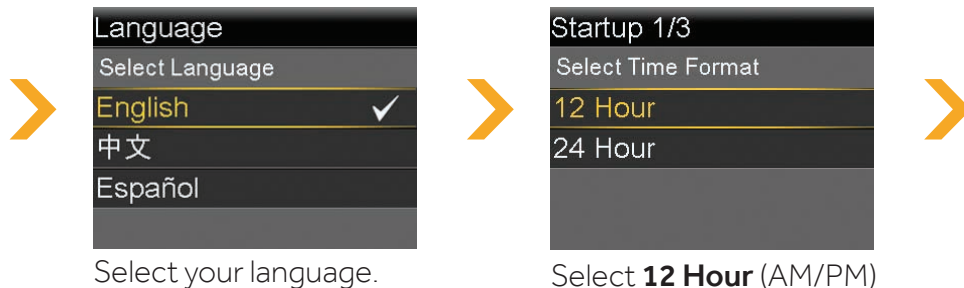
Section 2: Startup Wizard



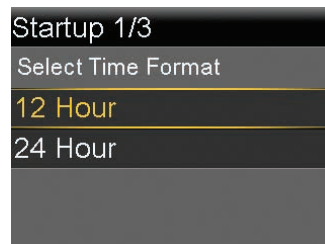
The pump will power on and Startup Wizard will begin.



NOTE: Always look for the item on the screen that is highlighted in yellow. This is the item that can be selected. Use **^** and **v** buttons to highlight the item you want to choose and press the **o** button to select it.



Select your language.



Select **12 Hour** (AM/PM) or press **v** to **24 Hour** and press **o**. *This example uses 12 Hour.*



The hour will be flashing. Press **^** / **v** to the correct hour and press **o**.

The minutes will be flashing. Press **^** / **v** to the correct minutes and press **o**.

The AM/PM will be flashing. Press **^** / **v** if needed and press **o**.

Select **Next**.



Select **Year**. Press **^** to the correct year and press **o**.

Select **Month**. Press **^** / **v** to the correct month and press **o**.

Select **Day**. Press **^** / **v** to the correct day and press **o**.

Select **Next**.



Wait a moment.



Select **OK**.

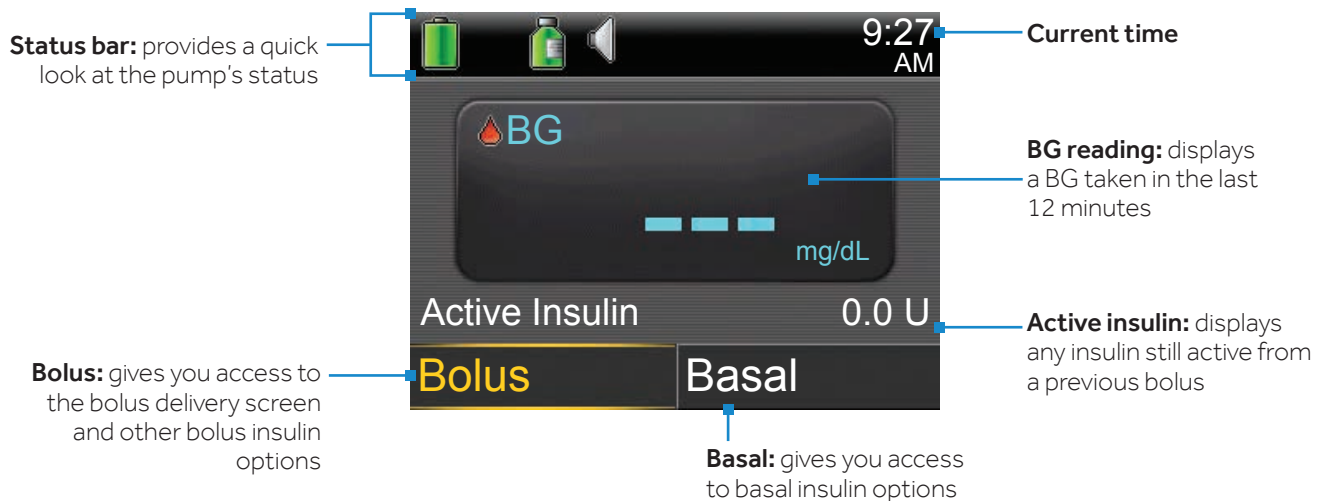


NOTE: To scroll faster, press and hold the **^** or **v** button. Once you reach the correct value or item, press **o** to select.

Section 3: Home Screen

You are now on the Home screen. The Home screen will be your starting place to access all features in the pump.

The following information is displayed on the Home screen.



Backlight

When you are not pressing buttons on your pump, you will notice that the Backlight will soon turn off. The pump is still on; it is just saving battery life. You can simply press any button to make the screen reappear.

KEEPING THE SCREEN ON LONGER...

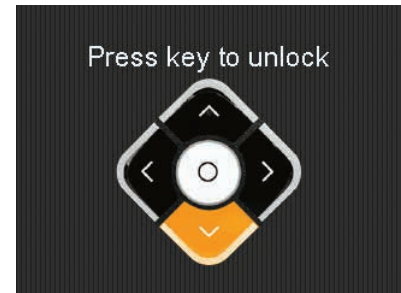



Margaret noticed when she wasn't pressing buttons on her pump, the screen would turn dark. This happens to save battery life. She soon learned she could simply press any button to turn the screen back on.

HELPFUL HINT: If the pump screen is going dark too quickly, the Backlight setting can be changed. You will learn how to do this on page 18.

Unlocking the Pump

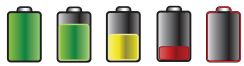
After the Backlight has been off for a few minutes, the pump goes into Sleep mode and the pump is locked. When you begin using your pump again, you will see a screen like the one shown here when you leave the Home screen. You will need to press the arrow key that is highlighted to unlock the pump. This confirms you are reading the screen and the button presses are not accidental. If the wrong arrow key is pressed, you will be asked to try again.



You can press and hold  if you wish to put the pump into Sleep mode and keep it locked when you are not using it. Doing this can also help save battery life.

Status Bar

The Status Bar displays the following icons so you can quickly view important information. When using your pump, you will see 3 of these icons:






Battery icon: Shows the level of charge your battery has. As the battery charge decreases, the icon will become less full and change to yellow and then red.



Reservoir icon: Shows the approximate amount of insulin left in your reservoir. As insulin is used, the icon will become less full and change to yellow and then red.

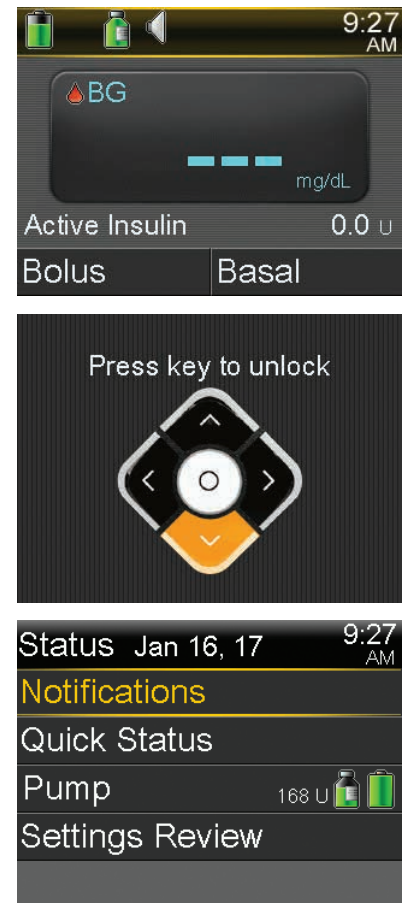


Audio icon: Shows the audio mode you are using: audio , vibrate , or audio and vibrate 

Status Screens

There will be times when you need additional status information. For example, the Status Bar icon shows you if the insulin in your reservoir is getting low, but you may need to know exactly how many units are left. This additional status information can be found in the status screens:

1. Press **^** to highlight the **Status Bar** and press **○**.
2. If prompted, press the arrow key that appears to unlock the pump.
3. Press **○** to view Notifications or press **▼** to highlight the status screen you wish to view and press **○**.



Here you can see the status information that can be found when you select each menu item:

Notifications: shows the name and times of alarms, alerts, messages, and reminders that you have received over the past 24 hours.

Quick Status: provides a current summary of pump information including the last bolus you delivered, the last BG entered, and your current basal rate.

Pump: provides detailed information about your pump, including the date you last changed the reservoir, and the number of units left in it.

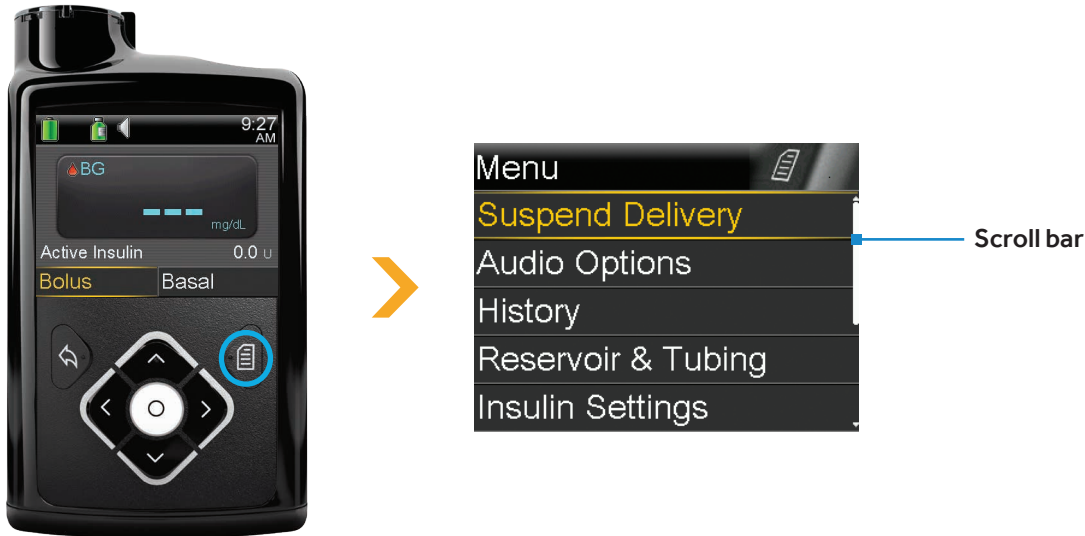
Settings Review: displays the settings you have programmed into your pump.



REMEMBER: You can go back to the previous screen by pressing **⬅**.


Section 4: Menu

Pressing the  button will take you to the **Menu**.



There are 9 items listed on the Menu. Each menu item contains the features and functions that pertain to that menu item. You will find the items meant to be most quickly accessible closest to the top of the Menu.

Scroll Bar

When a screen or menu has more than five lines of information, a **scroll bar** appears on the right side of the screen. Press  to scroll down and view the additional items.

On the following page, you will find a map of the basic menu. This shows you the options that you will find under each of the Menu items.



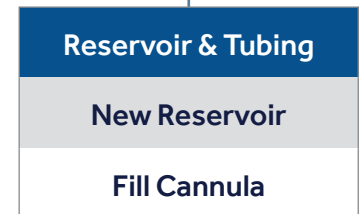
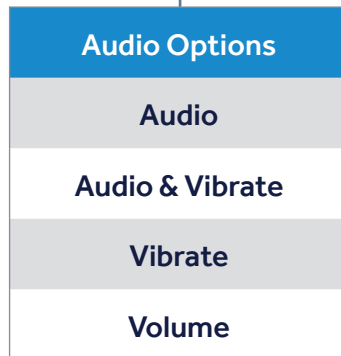
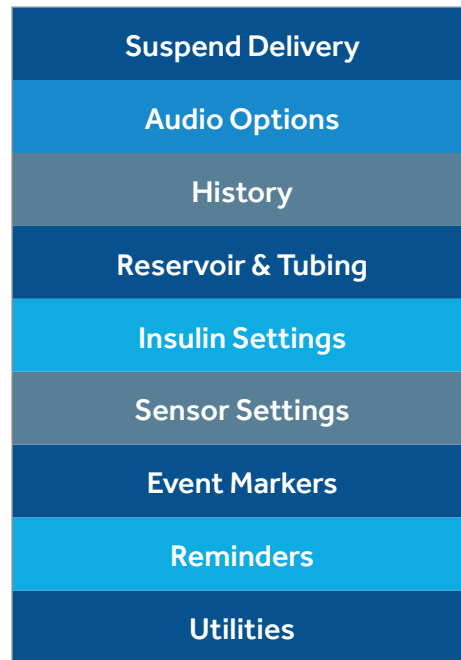
NOTE: You will not be using all of these options right away. We will focus on the ones that you will need to get started.

Basic Menu Map:



Home screen

Press 



Navigation

Press  from any screen to open the **Menu**.

Press  and  to scroll through the menu items.

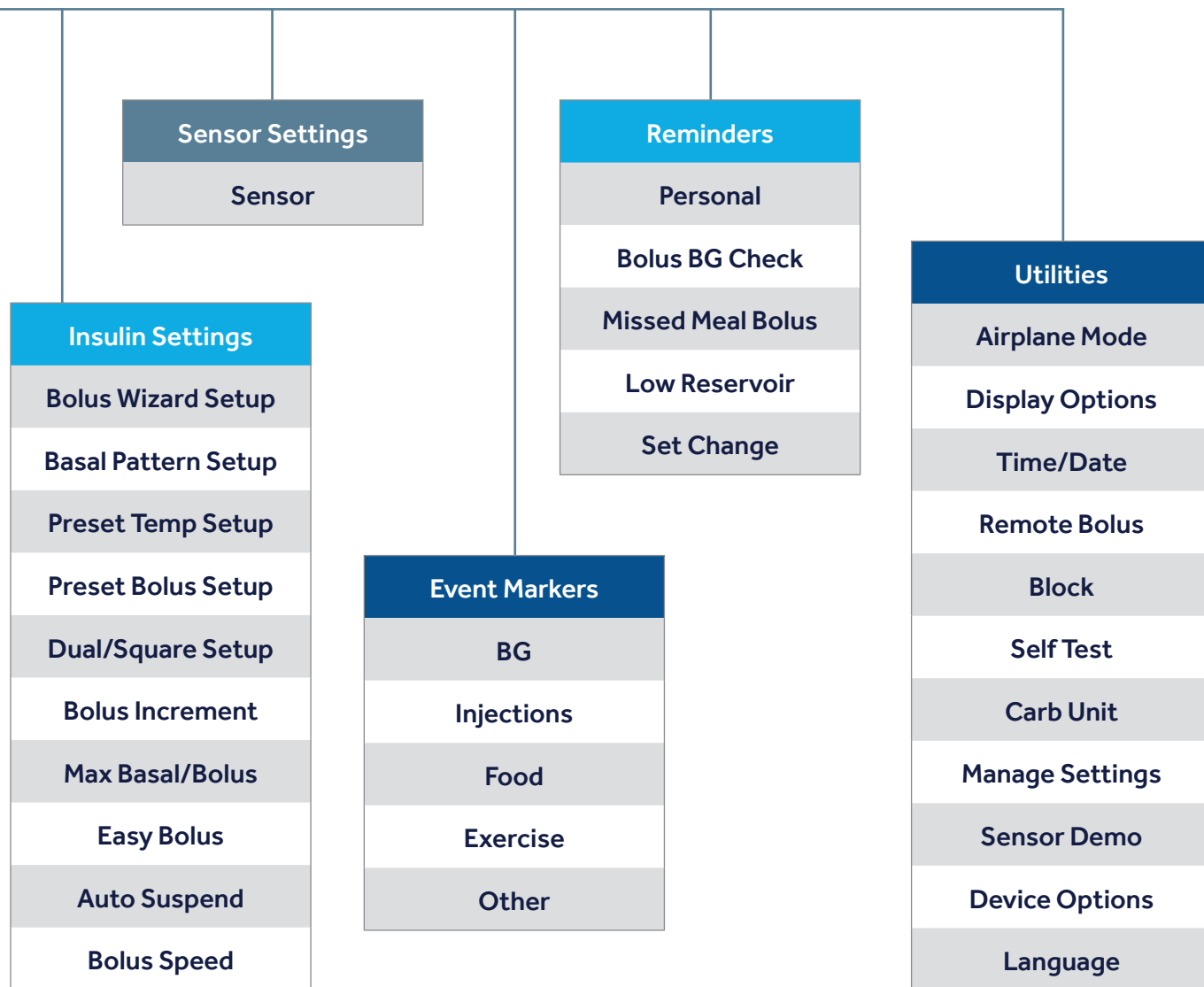
Press  on the desired menu items to open.

The scroll bar appears on the menus to indicate when additional text is available.

Press  to scroll down to view additional items.

Press  to scroll back up.

Press  to go to the previous screen. Hold  to return to the **Home** screen.



Menu options

Here you see a brief summary of the information found within each menu item.

Suspend Delivery	Lets you stop insulin delivery. This is commonly used when disconnecting to swim or bathe.
Audio Options	Lets you choose audio, vibrate or both to inform you of alerts and notifications. You can also change the volume here.
History	Shows information about recent insulin delivery, actions you performed on your pump, and alerts and alarms received. You can look back to previous days when necessary.
Reservoir & Tubing	Contains steps to changing the reservoir and infusion set.
Insulin Settings	Contains all features and settings that affect or change your pump's delivery of insulin. These settings help you to individualize the pump to meet your insulin needs.
Sensor Settings	Contains all options related to sensor use. These are set when using continuous glucose monitoring.
Event Markers	Lets you use your pump instead of a written log to record events such as taking an injection or exercising.
Reminders	Lets you set the pump to remind you to do important routine activities such as checking BG and changing your infusion set.
Utilities	Contains various other features and settings related to pump use.

PUMP FEATURES...



When Lisa first started on her pump, she didn't know if she could ever learn how to use all the features the pump had available. But, she just focused on the basics first, and then she started learning the additional features that she found helped her the most.

HELPFUL HINT: Take some time to get comfortable with basics first. Then learning the additional features will be much easier and more fun to do.











Section 5: Menu Options – A Closer Look

You are now ready to set a couple of the basic features within the Menu.

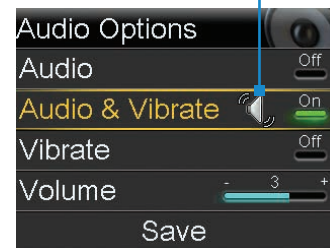
Audio Options

You will use Audio Options to set pump to beep (Audio), beep and vibrate (Audio & Vibrate), or just vibrate (Vibrate). If you set Audio or Audio and Vibrate, you can also increase or decrease the Volume.

✔ Let's Practice:

1. Press  to open the Menu.
2. Press  to **Audio Options** and press .
3. Press  to the option that you prefer and press .
If you choose Audio or Audio & Vibrate, you are able to adjust the volume.
4. Press  to **Volume** and press .
5. Press  or  to desired volume and press .
6. Select **Save**.

The icon shown here will display on the Status Bar on the Home screen.








The option you select turns On.

Display Options



Display Options allows you choose the brightness of your pump screen. This is also where you go to change the amount of time your pump stays on before it goes into Power Save mode.



Let's Practice:

1. Press  to open the Menu.
2. Press  to **Utilities** and press .
3. Press  to **Display Options** and press .



If you want to adjust the screen brightness:

4. Select **Brightness**.
5. Press  to the setting you prefer and press .



NOTE: The Auto setting automatically adjusts the screen brightness to match your current environment.

To adjust the backlight:

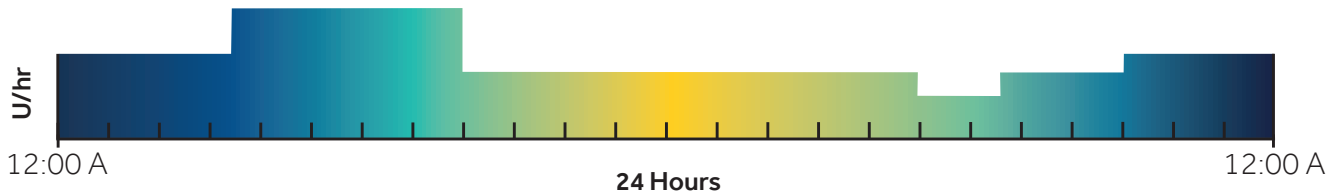
6. Select **Backlight**.
7. Press  to the setting you prefer and press .
8. Select **Save**.



NOTE: How you adjust these settings can affect battery life. For instance, increasing the Backlight time will decrease the life of your battery.

Section 6: Basal Patterns

Remember, your body needs insulin so glucose can be moved into your cells providing energy for your body. Insulin is needed 24 hours a day, even between meals and during the night. This is called basal insulin. The pump supplies basal insulin by delivering small amounts throughout each hour, every hour of the day and night. This allows for insulin to be increased and decreased to adjust for your body's needs.



Basal insulin amounts must be programmed into your pump. This is done by setting a basal pattern. A basal pattern consists of one or more basal rates being delivered over the course of 24 hours.

BEFORE THE PUMP..



Lynn always had to remember to take her shot of long-acting insulin at bedtime. Taking it at the same time every night like her doctor asked her to was difficult. She is in college and some nights she would go to bed early, others she would be at the library until late studying. Now that her doctor has prescribed a pump, she doesn't have to worry about taking a shot. She is getting her basal insulin automatically 24 hours a day.

Basal Pattern Setup – One Basal Rate

Your healthcare professional will calculate the hourly basal rate or rates are best for you to use when you start on your pump. You may simply start with a basal pattern that has only one basal rate. The pump will deliver that exact basal amount evenly over each hour, 24 hours a day.

For example, if your starting basal rate is 1.0 unit, your pump would deliver one unit of insulin throughout each hour. This means you would receive a total of 24 units of basal insulin every 24 hours.

To set your Basal Patterns, you will need to go to the **Insulin Settings** menu option and then to Basal Pattern Setup. There are two ways to access **Insulin Settings**:

1. From the Home screen, select **Basal** and press to **Insulin Settings**.

OR

2. Press  and press  to **Insulin Settings**.

✓ Let's Practice: Setting a Basal Pattern with one Basal Rate

Let's set a Basal pattern with a basal rate of 0.75 U/hr from 12:00A–12:00A.

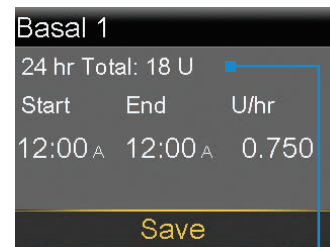
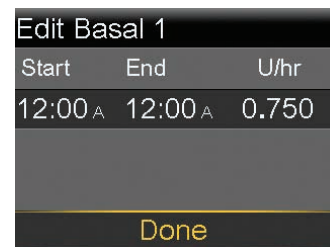
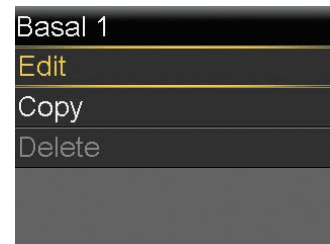
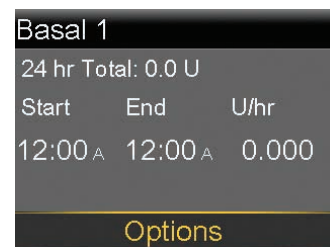
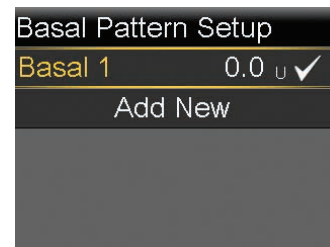
- From the Home screen, select **Basal**.
- Press **▼** to **Insulin Settings** and press **○**.
- Press **▼** to **Basal Pattern Setup** and press **○**.
- Select **Basal 1**.
- Currently, the pump is delivering 0.000 U/hr. Select **Options**.
- Select **Edit**.
- Press **○** on the time segment. The **End** time will be flashing. Since you are setting only one basal rate for all 24 hours, the End time does not need to be changed.
- Press **○**.
- Press **▲** to 0.750 and press **○**.
- Select **Done**.
- Verify that **Basal 1** is entered correctly.

If NO changes need to be made:

- Select **Save**.

If changes need to be made:

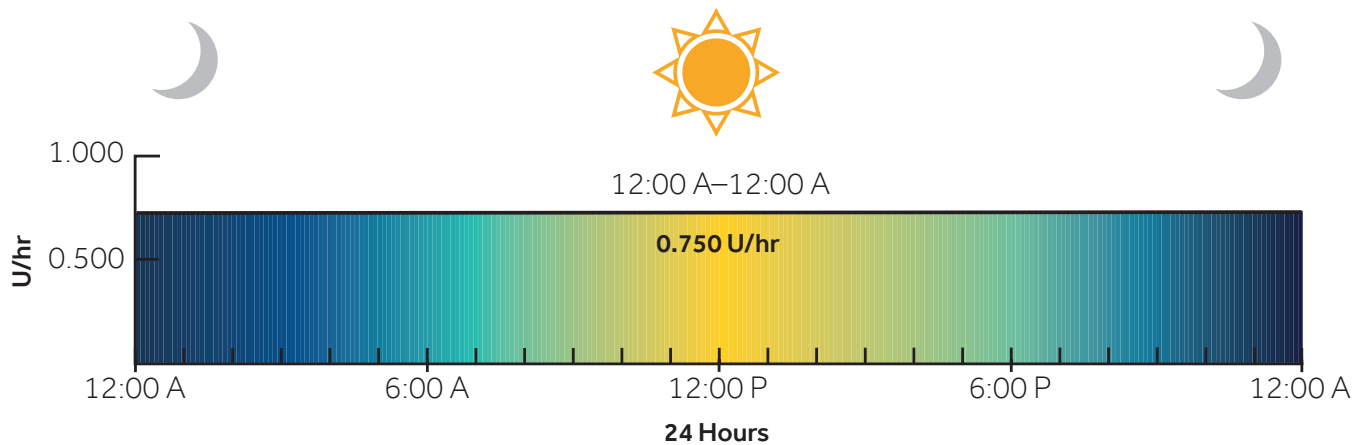
- Press **↩**.
- Press **▲** and then press **○**. Repeat Steps 8-11.
- Select **Save**.



This basal pattern delivers 18 U over 24 hours.

GETTING STARTED | BASAL PATTERNS

This basal rate amount entered, 0.750 units per hour in this example, will automatically be delivered throughout each hour continuously from one day to the next.



Basal Pattern Setup – Changing a Basal Rate

When you check your blood glucose (BG) as instructed, the BG readings will help you and your healthcare professional determine if your basal pattern needs to be changed. If your glucose levels are running too high or too low, this basal amount may need to be changed.

✔ Let's Practice: Changing a Basal Rate

Change **Basal 1** basal rate from 0.750 to 0.900 U/hr.

1. From the Home screen, select **Basal**.
2. Press **▼** to **Insulin Settings** and press **○**.
3. Press **▼** to **Basal Pattern Setup** and press **○**.
4. Select **Basal 1**.
5. Select **Options**.
6. Select **Edit**.
7. Press **○** on the time segment.
8. Select **End** time.
9. Press **▼** to change 0.750 to 0.900.
10. Select **Done**.
11. Verify that **Basal 1** is entered correctly.
12. Select **Save**.

Basal Pattern Setup – Multiple Basal Rates

In addition to increasing or decreasing a single basal rate, you may also need to add basal rates to give you different amounts of basal insulin during certain parts of the day or night.

HAVING MORE THAN ONE BASAL RATE...

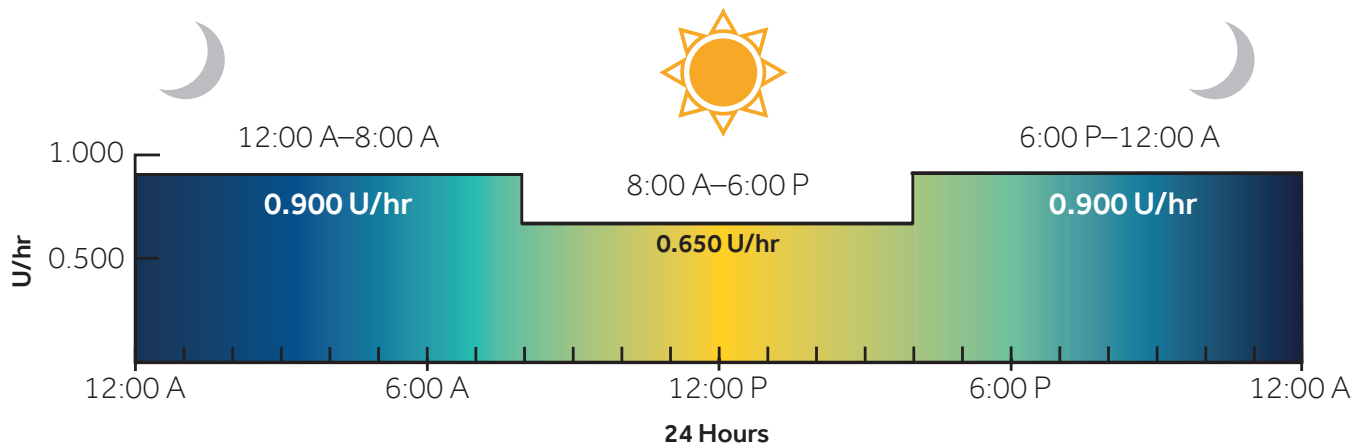


When Jessica was taking insulin shots, she would wake up in the morning with low BG readings. Now that Jessica has her insulin pump, it is programmed to deliver less insulin when she is sleeping and more insulin during the day so that her BG readings aren't low when she wakes up.

HELPFUL HINT: Most people need more than one basal rate to get the best control with their pump. Work with your healthcare professional to get your basal rates adjusted correctly when you start on pump therapy.

For example, your healthcare professional has reviewed your BG readings and has determined that this basal rate works well part of the day, but that you need a lower basal rate, 0.650 units per hour, between the hours of 8:00A and 6:00P.

Your basal pattern would look like this:



Now, let's make the changes to your basal pattern.

✔ Let's Practice: Setting Multiple Basal Rates

1. From the Home screen, select **Basal**.
2. Press **▼** to **Insulin Settings** and press **○**.
3. Press **▼** to **Basal Pattern Setup** and press **○**.
4. Select **Basal 1**.
5. Select **Options**.
6. Select **Edit**.
7. Press **○** on the time segment.

The 0.900 basal rate will now need to end at 8:00A since this is the time that your basal rate needs to decrease.

8. Press **▲** to 8:00A and press **○**.
9. Press **○** again as this basal rate will stay the same.

You can see you are automatically asked to enter the end time of the second basal rate. This basal rate will need to end at 6:00P and will need to be changed to 0.065.

10. Press **○** to change **End** time.
11. Press **▲** to 6:00P and press **○**.
12. Press **▲** to 0.650 and press **○**.

You can now enter the next end time. You will need to enter 12:00A to complete the full 24 hours.

13. Press to change **End** time.
14. Press **▲** to 12:00A and press **○**.
15. Press **▲** to 0.900 and press **○**.
16. Select **Done**.
17. Verify that **Basal 1** is entered correctly. Press **▼** to view all basal rates.
18. Select **Save**.

Edit Basal 1		
Start	End	U/hr
12:00 _A	12:00 _A	0.900
Done		

Edit Basal 1		
Start	End	U/hr
12:00 _A	8:00 _A	0.900
8:00 _A	8:30 _A	---
Done		

Edit Basal 1		
Start	End	U/hr
12:00 _A	8:00 _A	0.900
8:00 _A	6:00 _P	0.650
6:00 _P	6:30 _P	---
Done		











Edit Basal 1		
Start	End	U/hr
12:00 _A	8:00 _A	0.900
8:00 _A	6:00 _P	0.650
6:00 _P	12:00 _A	0.900
Done		

Basal 1		
24 hr Total: 19.1 U		
Start	End	U/hr
12:00 _A	8:00 _A	0.900
8:00 _A	6:00 _P	0.650
Save		







Scroll bar

Let's Practice: Changing Multiple Basal Rates

Now change the 8:00A to 6:00P basal rate to 8:00A to 5:30P and change to 0.700 U/hr.

1. From the Home screen, select **Basal**.
2. Press  to **Insulin Settings** and press .
3. Press  to **Basal Pattern Setup** and press .
4. Select **Basal 1**.
5. Select **Options**.
6. Select **Edit**.
7. Press  to the 8:00A to 6:00P time segment and press .
8. Press  to 5:30P and press .
9. Press  to 0.700 and press .

Notice the start time of the 3rd time segment changed to 5:30P.

10. Press  to change **End** time.
11. Press  to 12:00A and press .
12. Press  to 0.900 and press .
13. Select **Done**.
14. Verify that **Basal 1** is entered correctly. Press  to view all basal rates.
15. Select **Save**.

Edit Basal 1		
Start	End	U/hr
12:00 _A	8:00 _A	0.900
8:00 _A	5:30 _P	0.700
5:30 _P	12:00 _A	0.900
Done		












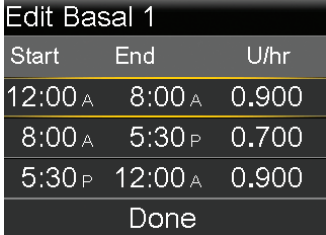
Basal 1		
24 hr Total: 19.7 U		
Start	End	U/hr
12:00 _A	8:00 _A	0.900
8:00 _A	5:30 _P	0.700
Save		

Basal Pattern Setup – Removing Basal Rates

There may be times when you have basal rates entered that need to be removed. This is done by simply changing the end time of the last basal rate that you need to 12:00A.

Let's Practice: Removing Basal Rates

1. From the Home screen, select **Basal**.
2. Press  to **Insulin Settings** and press .
3. Press  to **Basal Pattern Setup** and press .
4. Select **Basal 1**.
5. Select **Options**.
6. Select **Edit**.
7. Press  on the time segment.
8. Press  to 12:00A and press .
9. Press . Notice that all other basal rates have been removed.
10. Select **Done**.
11. Verify that **Basal 1** is entered correctly. Press  to view all basal rates.
12. Select **Save**.



Start	End	U/hr
12:00 _A	8:00 _A	0.900
8:00 _A	5:30 _P	0.700
5:30 _P	12:00 _A	0.900



Start	End	U/hr
12:00 _A	12:00 _A	0.900

Section 7: Giving Boluses

A bolus is given for two reasons: to cover food that contains carbohydrate or to correct glucose levels that are above your target range. Giving a bolus will be one of the most common things you do with your pump. Instead of having to take shots at meals, or between meals if your glucose is too high, you can program your pump to give the insulin. When using the pump, you are able to give precise bolus amounts.

GIVING A BOLUS...

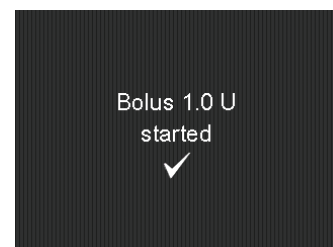
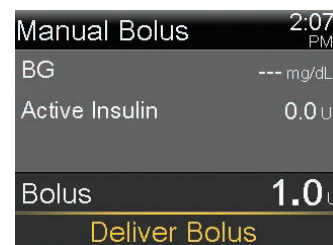
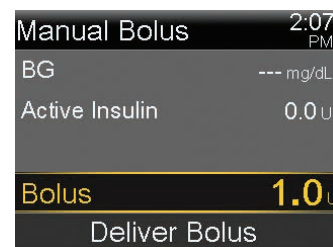


Susie finds it easier to bolus on her pump than it was to give an injection at her meals. When she went out to eat, she would sometimes forget to take her insulin along. Now it is always with her.

Giving a Manual Bolus

When giving a manual bolus, you simply enter the amount of bolus insulin that you think you need for the carbohydrates you are eating, or to lower your BG if it is high.

1. From the Home screen, select **Bolus**.
2. Press **^** to 1.0 u and press **o**.
3. Select **Deliver Bolus**. The pump will beep and/or vibrate.
4. Confirmation that Bolus has started will appear.

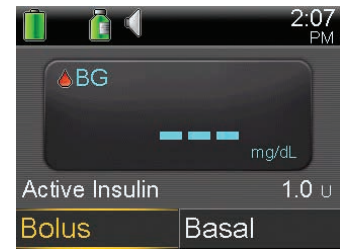


The Home screen will show the amount as it is being delivered.

Notice that **Stop Bolus** also now appears.

Once the bolus has finished delivering, the pump will beep and/or vibrate and will return to the normal Home screen.

Notice there is **Active Insulin** now displayed. Active insulin is insulin from boluses that is still working to lower blood glucose levels. Each time you give a bolus, it is added to the active insulin amount. As time passes, the amount will decrease. You will learn more about active insulin during your training.

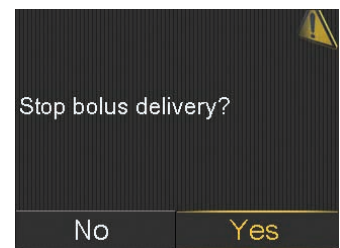


Stopping a Bolus

There may be times when you need to stop a bolus while it is delivering - perhaps you realized you entered the wrong bolus amount, or you get a phone call and cannot eat right now as planned. Stopping a bolus is done by selecting **Stop Bolus** on the Home screen.

To stop a bolus while it is delivering:

1. Select **Stop Bolus**.
2. Press > and select **Yes**.
3. Review **Bolus Stopped** screen to see how much of the bolus was delivered.
4. Select **Done**.



NOTE: The **Bolus Stopped** screen will show you how much of the bolus insulin was delivered before it was actually stopped.

STOPPING A BOLUS...



Karen gives a bolus for lunch, but before she can begin eating, the phone rings. It's her cousin calling long distance so Karen knows this phone call will take a while. She decides to wait to eat until after the call so she stops the bolus.

HELPFUL HINT: Always check the Bolus Stopped screen to see how much insulin you received before the bolus was stopped. Depending on the amount, you may decide you need to eat something so you do not experience a low blood glucose.

Let's Practice: Stopping a Bolus

Give a manual bolus of 1.5 units and stop the bolus once it has started to deliver.

5. With **Bolus** highlighted, press **O**.
6. Press **^** to 1.5 u and press **O**.
7. Select **Deliver Bolus**.
8. Select **Stop Bolus**.
9. Press **>** and select **Yes** to stop bolus delivery.
10. Review **Bolus Stopped** screen to see how much of the bolus was delivered.
11. Select **Done**.

Bolus Wizard Calculator

Calculating how much bolus insulin to give can be challenging. When using the Bolus Wizard calculator, you will enter your current BG reading along with the amount of carbs you are about to eat. Once you do this, the Bolus Wizard calculator uses the individual settings provided by your healthcare professional to calculate your bolus amount.

By counting carbs and using the Bolus Wizard calculator, you are able to give the right amount of insulin for your food and correction bolus. This can help to keep your glucose levels better controlled.

Using the Bolus Wizard Calculator

Here you can see the Bolus Wizard calculation screen and a short description of the steps below:

If you have tested your glucose using your linked meter, the BG and correction dose will already be showing.

Bolus Wizard		7:36 PM
BG	--- mg/dL	0.0 U
Active Ins. adjust.		0.0 U
Carbs	0 g	0.0 U
Bolus		0.0 U
Next		

You will first test and enter your current BG.



Bolus Wizard		7:37 PM
BG	133 mg/dL	0.6 U
Active Ins. adjust.		0.0 U
Carbs	0 g	0.0 U
Bolus		0.6 U
Next		

You will then enter grams of carbohydrates to be eaten.

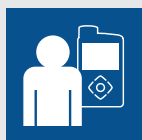


Bolus Wizard		7:37 PM
BG	133 mg/dL	0.6 U
Active Ins. adjust.		0.0 U
Carbs	42 g	2.8 U
Bolus		3.4 U
Next		

The pump displays estimated amount of insulin to be delivered.

You will learn more about using the Bolus Wizard calculator at your in-person training. There, your trainer will help you program your individual settings and have you practice giving boluses using this feature.

GIVING A BOLUS...



Larry is so excited that his insulin pump has made his glucose management easier. Before his pump he had to try to calculate on his own how much insulin he needed. Now his meter sends his BG to his pump, he enters his carbs, and the pump calculates and recommends the bolus amount.

HELPFUL HINT: After you begin pump therapy, testing your BG two hours after meals will help you determine if your Bolus Wizard calculator settings are correct. If your BG is too high or too low, your healthcare professional can help you adjust your settings to help you achieve better glucose control.



WARNING: Do not use the Bolus Wizard to calculate a bolus for a period of time after giving a manual injection of insulin by syringe or pen. Manual injections are not accounted for in the active insulin amount. Therefore, the Bolus Wizard could prompt you to deliver more insulin than needed. Too much insulin may cause hypoglycemia. Consult with your healthcare professional for how long you need to wait after a manual injection of insulin before you can rely on the active insulin calculation of your Bolus Wizard.

Checking Last Bolus

There may be times when you need to see the time or amount of the last bolus that was given. For example, you may not remember if you took a bolus at lunch and want to check to make sure. You can see the last bolus delivered in the Quick Status screen.

✔ Let's Practice: Checking Last Bolus

1. From the Home screen, press **^** to the **Status Bar** and press **○**.
2. Press **v** to **Quick Status** and press **○**.

The (N) behind the Last bolus amount means the bolus was delivered as a normal bolus. There are additional ways to give a bolus which you will learn about later.

Quick Status		7:50 PM
Last bolus	2.800 U (N)	7:27 PM
		Jul 15
Last BG	265 mg/dL	9:06 PM
		Jul 15

Checking Bolus History

You may also want to review the last several boluses that were delivered. For example, a parent might want to view the boluses their child gave throughout the day. You can see the last several boluses delivered in Daily History.

✔ Let's Practice: Checking Bolus History

You can see the last several boluses you delivered in **Daily History**.

1. Press **☰**.
2. Press **v** to History and press **○**.
3. Press **v** to Daily History and press **○**.
4. Press **○** on the day you would like to review.

Daily History		7:50 PM
Bolus (N)	0.500 U	3:32 PM
Bolus (N)	1.000 U	2:07 PM
Bolus (N)	0.500 U	11:55 AM
◀ Fri, Mar 30 ▶		



DID YOU KNOW? You can use the **<** and **>** arrows to move from day to day. You can also see further details by pressing **○** on any item listed.

Section 8: Suspend Delivery

Remember your pump is delivering basal insulin throughout every hour of the day. Although you should never stop this insulin delivery for more than an hour or so, there will be times when you will want to manually suspend, or stop delivery, and disconnect from your pump.

This is done using the manual **Suspend Delivery** feature. Using Suspend Delivery stops all insulin delivery.

The most common reasons to manually suspend delivery might include bathing and water activities. Infusion sets are designed so you can easily disconnect from your pump and leave it in a safe place.

Talk with your healthcare professional about a plan including BG checks and possible correction boluses when disconnecting and reconnecting your pump.

SUSPENDING THE PUMP...



Danielle doesn't like her pump to be attached to her when she is swimming, so she disconnects it. She always manually suspends her pump so that insulin isn't delivered while the pump is not attached to her.

HELPFUL HINT: While the pump is suspended, it will beep and/or vibrate every 15 minutes to remind you it is in suspend.

When the pump is manually suspended, all insulin delivery stops. All insulin delivery will remain stopped until you resume delivery.


When you resume insulin delivery, basal insulin will begin to deliver again. **The pump will not deliver any of the basal insulin you missed while the pump was suspended.**

If you manually suspend delivery while a bolus is delivering, the bolus delivery will stop. **When you resume delivery, the remainder of the bolus will not be delivered.**



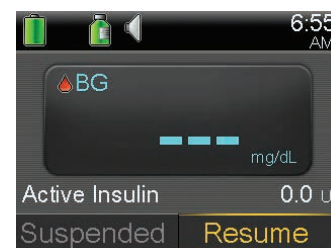
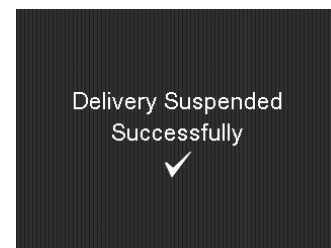
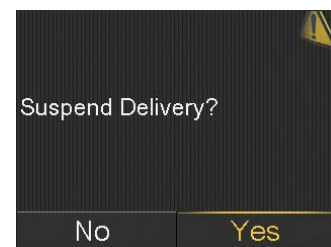
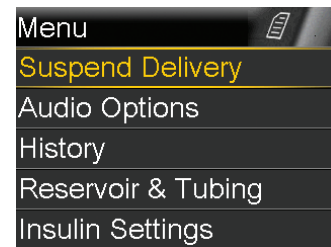
NOTE: There is another Suspend feature called **Suspend on low** that is available when you are using continuous glucose monitoring (CGM). You will learn more about Suspend on low during your CGM training.

✓ Let's Practice: Suspending Pump Delivery

1. Press .
2. Select **Suspend Delivery**.
3. Press **>** and select **Yes** to suspend insulin delivery.

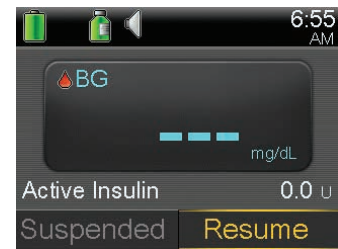
A confirmation screen appears.

Notice that the Home screen has changed. The pump will beep and/or vibrate every 15 minutes while the pump is manually suspended.

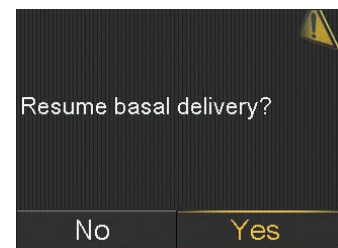


✓ Let's Practice: Resuming Insulin Delivery

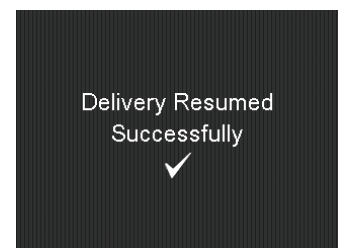
1. Select **Resume**.



2. Press > and select **Yes** to resume insulin delivery.



A confirmation screen appears.



The original Home screen returns.

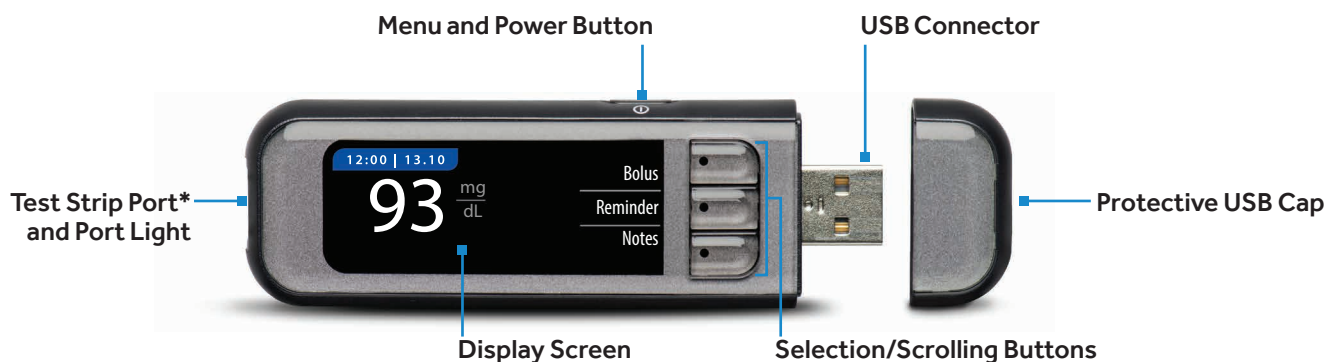


REMEMBER: Any basal insulin that was missed while the pump was suspended will not be delivered.

Section 9: Charging the CONTOUR NEXT LINK 2.4 Meter

This CONTOUR NEXT LINK 2.4 meter is the only meter able to communicate wirelessly with your MiniMed 630G insulin pump. This can make your diabetes management easier by automatically sending your BG meter readings over to the pump. This is especially helpful when using the Bolus Wizard and the Event Marker options.

Review the parts of your meter here:



CONTOUR NEXT LINK 2.4 METER

Your meter has a permanent rechargeable battery. **It is important that the meter be charged prior to your in-person training.** To charge your meter:

1. Remove the cap to reveal the USB connector.
2. Plug the USB connector into the wall charger or a computer. *The computer must be ON and not in sleep, hibernate or power save mode.*
3. The meter will briefly display **Do Not Test-charging** and the test strip port light will flash. You cannot do a blood glucose test while the battery is charging.
4. When charging is complete, the test strip port light will turn off. You can then unplug your meter.



You will connect your pump and meter at your in-person training. Steps to do this can be found in the Training Handouts section on page 55. For more information on using your meter, see the User Guide found in the meter box.

* The CONTOUR NEXT LINK 2.4 meter only works with CONTOUR NEXT glucose testing strips.

Introduction to CareLink Personal Software

CareLink Personal software is a web-based program that is provided free of charge by Medtronic. This software allows you to upload the data from your pump and glucose meter to a secure website and organize it into easy-to-read reports and charts. These reports provide an overview of how insulin, food intake and exercise affect your glucose control.

Reviewing the data on these reports, allows you and your healthcare professional to identify glucose patterns and trends so you can determine if any pump settings need to be adjusted.

You will need to set up your CareLink Personal software account so you can upload your pump and meter every 2 to 3 days after you start using your pump. You and your healthcare professional will be able to review your information and adjust your pump settings as needed.

USING CARELINK SOFTWARE...



Julia uploads her pump and meter information to CareLink Personal software before each visit with her doctor. She has given him access to her reports so he can review them, saving a great deal of time during her office visit. Her doctor has the information he needs to make adjustments to her pump settings.

Follow these steps to set up your CareLink Personal software account prior to your in-person training:

1. Go to www.medtronicdiabetes.com/carelink
2. Click the **Sign Up Now** button.
3. Choose your country and language.
4. Read and **Accept** the Terms of Use and Privacy Statement.
5. Create a Username and Password and enter all required information.
6. Click the **Submit** button.

When uploading information from your pump to CareLink Personal software, you will use the meter below as the communication device from the pump to your computer.

USB Connector used for CareLink software upload



CONTOUR NEXTLINK 2.4 METER

You will learn more about using CareLink software at your in-person training.

Frequently Asked Questions

As with learning anything new, you typically have questions. Here is a list of commonly asked questions. You may wish to make a note of any additional questions you may have to ask your Certified Product Trainer.

Where should I wear my pump?

Where and how to wear the pump is a commonly asked question among new pump users. Most individuals find that wearing an insulin pump presents no problem and that it can be worn in a variety of ways. It typically takes only a day or two to find the ways that work best for you. Below are just a few ideas to help get you started.

- Use the clip that comes with your pump and clip it to a waist band or belt
- Place the pump (with or without the clip) into the pocket of your pants
- Keep it in your shirt pocket
- Slip it into your bra with the screen facing away from your skin
- Use the longer tubing lengths and place the pump in your sock

Where can I put the pump when I sleep?

- Clip it to the waist of your pajama pants
- Clip it onto your pajama top or in a pocket
- Place it next to you in the bed, under your pillow, or on the bedside table

Medtronic Diabetes offers accessories that can add to the convenience of wearing, protecting and concealing your pump. Refer to the accessories catalog or to the accessories information found on our website at www.medtronicdiabetes.com.

What about intimacy?

What to do with the pump during intimate moments is another question that is frequently asked. An open discussion with your partner usually resolves any concerns you may have. Some individuals simply choose to leave the pump in place. Others choose to use the longer tubing which allows them to place the pump well out of reach. Another idea is to temporarily disconnect from the pump and tubing. Just remember that disconnecting from the pump for long periods of time can result in high glucose levels that could lead to DKA (diabetic ketoacidosis). So, always be sure you reconnect the pump afterwards.

Talk to your healthcare professional about a plan including BG checks and possible correction boluses when disconnecting and reconnecting to your pump.

FREQUENTLY ASKED QUESTIONS

Should the pump be removed for X-rays, CT scans, and MRIs?

Any time you have an X-ray, CT scan, MRI or any procedure involving exposure to radiation or magnetic fields, remove your pump prior to entering the radiation area or magnetic field.

Cannula infusion sets such as the Quick-Set, Silhouette, Mio, Mio Advance, and Medtronic Extended infusion sets can be left in place during the procedure. However, infusion sets that use a needle instead of a cannula to infuse insulin such as the Sure-T infusion set, must be removed prior to the procedure.

If your insulin pump is inadvertently exposed to a strong magnetic field like an MRI, discontinue use and contact our 24-hour helpline at **1.800.646.4633**.



What do I need to know about traveling with my insulin pump?

Going through Airport Security

You can wear your insulin pump while going through an airport metal detector. If you are asked to go through a full body scanner, you must remove your insulin pump and CGM (sensor and transmitter).

To avoid removing your devices, you may request an alternative screening process.



WARNING: Do not send your devices through the x-ray machine as the radiation can make your pump nonfunctional or damage the part of the pump that regulates insulin delivery, possibly resulting in over delivery and hypoglycemia.

Print and complete the information on an airport emergency card to carry with you.

Notify security screeners that you have diabetes, that you are wearing an insulin pump and are carrying supplies with you. If there is any question, ask that they visually inspect the pump rather than removing it from your body. Remember, you may ask for a private screening if removal or lifting of clothing is required to display your pump.

If you encounter difficulty, ask to speak with the Transportation Safety Administration (TSA) ground security commissioner or their international equivalent. The American Diabetes Association (ADA) asks that you also contact them at **1.703.549.1500** ext. **1768** should you encounter any problems.

General Travel Tips

- Pack extra supplies including reservoirs, infusion sets, batteries and ketone strips. Keep your supplies, insulin and a prescription with you, just in case your luggage is lost or your insulin becomes denatured. The TSA requires that lithium batteries be kept in their original packaging and with you in your carry-on baggage.
- Pack glucose tablets or carbohydrate for treatment of low glucose. In case flights are delayed or canceled, pack extra food that is easy to carry, such as nutrition bars.
- If you travel outside the continental United States, you may want to take advantage of Medtronic's travel loaner plan. This program allows you to take a "back-up" insulin pump with you when you travel.



WARNING: Never store insulin in checked luggage as it may be exposed to extreme temperatures. Extreme heat or cold can cause insulin to lose its effectiveness which could result in hyperglycemia.

Always Be Prepared

When flying in an airplane, it is important that you stay connected to your pump and check your blood glucose more frequently. The routine hassle of travel, including stress, changes in time zones, schedules and activity levels, meal times and types of food, can all affect your diabetes control. Be extra attentive to your BG readings, and be prepared to respond if needed.

When traveling, make sure that you have backup syringes, vials of insulin or insulin pens (rapid-acting and long-acting insulin), and instructions from your healthcare provider should you need to return to insulin injections if your pump stops working.

Because travel rules are subject to change, it is advisable to check with the TSA before traveling. They can also provide current information about traveling with your other diabetes supplies (lancets, syringes etc.) You can find TSA information at <http://www.tsa.gov/traveler-information/passengers-diabetes> or by calling **1-866-289-9673**. International passengers should consult their individual air carriers for international regulations. For more information on traveling with a pump, go to: <http://www.medtronicdiabetes.com/customer-support/traveling-with-an-insulin-pump-or-device>



When should I call the 24-hour helpline?

Medtronic Diabetes provides a 24-hour helpline that is staffed with highly trained and skilled service technicians. These technicians are available to assist you with any technical issues or questions that you may have regarding the operation of your pump.

Examples of when you may need to call the helpline are:

- You are concerned that the pump is not functioning properly.
- You are reading about a pump function in the User Guide that you do not understand and need assistance.
- Your pump has alarmed and you have followed the instructions to clear the alarm and it alarms again.

The number for the 24-hour helpline is located on the bottom of your pump.



When should I call my healthcare professional?

Consult your healthcare professional about when, how often, and under what circumstances you should contact them. Typically, they will review your glucose information more frequently when you first start on pump therapy. This allows them to adjust and fine-tune your pump settings. Once adjusted, most healthcare professionals ask that you maintain a routine follow-up schedule. Examples of other situations that you should notify your healthcare professional about are:



Hypoglycemia (BG less than 70 mg/dL)

- Any severe hypoglycemic event that requires another person's assistance to treat the low; or any event that results in loss of consciousness
- Frequent hypoglycemia
- Hypoglycemia that occurs around the same time each day or that routinely occurs after certain activities (such as vacuuming or washing the car)
- Hypoglycemia that occurs after or during exercise

Hyperglycemia (BG above your maximum target range or above 250 mg/dL)

- Hyperglycemia that is frequent or persistent
- Hyperglycemia that is accompanied by nausea or vomiting
- Hyperglycemia and positive ketones
- Hyperglycemia that occurs around the same time each day or routinely after a certain event (such as eating)

As always, when low or high blood sugars occur, follow the guidelines provided in the Safety Rules Quick Reference Guide in the Training Handouts section of this guide.

Training Handouts

This section contains handouts that you can refer to during or after training. The Quick Reference Guides can be used when performing the most common tasks with your pump. These tasks are related to.

- **Basal**
- **Bolus Wizard**
- **Changing the Quick-set Infusion Set**
- **Safety Rules Quick-Reference Guide for Insulin Pump Therapy**
- **Connecting the Pump and Meter**

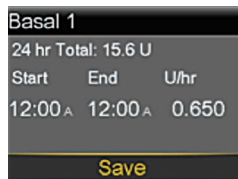
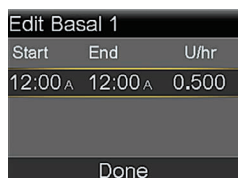
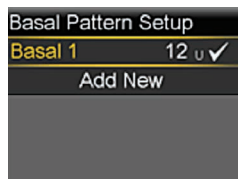
Feel free to tear these Quick Reference Guides out and keep them in a place where they are easily accessible.



WARNING: Do not perform the steps provided in this section until you have been instructed to do so by your healthcare professional, and have received formal training with a certified product trainer. Attempting to use insulin in your pump before you have received training may result in the delivery of too little or too much insulin, which can cause hypoglycemia or hyperglycemia.

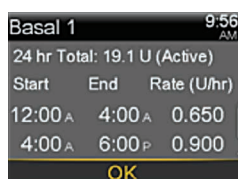
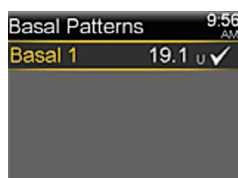
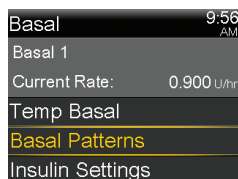
CHANGE A BASAL RATE

- From Home screen, select **Basal**.
- Select **Insulin Settings**.
- Select **Basal Pattern Setup**.
- Select the basal pattern you wish to edit.
- Select **Options**.
- Select **Edit**.
- Press on the time segment.
- Press on End time.
- Press or to change U/h and press .
- Select **Done**.



REVIEW BASAL PATTERNS

- From Home screen, select **Basal**.
- Select **Basal Patterns**.
- Select the basal pattern you wish to review.
- Review basal rates.

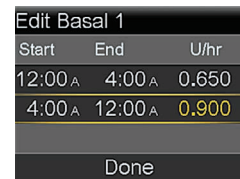
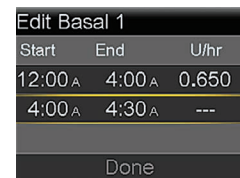
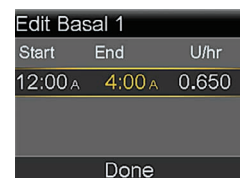
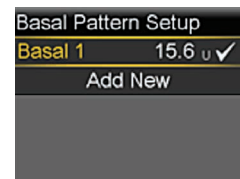


NOTE: If you see a scroll bar on the right, press to see all basal rates in the Basal Pattern.

- Select **OK**.

ADD A BASAL RATE TO A BASAL PATTERN

- From Home screen, select **Basal**.
- Select **Insulin Settings**.
- Select **Basal Pattern Setup**.
- Select the basal pattern you are adding a rate to.
- Select **Options**.
- Select **Edit**.
- Press on the time segment.
- Enter the new **End** time (this is the same as the start time of the basal rate you are adding) and press .
- Press if U/hr is not changing. (Press or to change value if necessary and press .)
- Press on the new time segment.
- Press to enter the new **End** time and press .
- Press to enter the basal rate and press .
- Continue adding end times and basal rates if necessary.



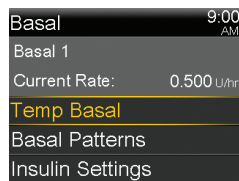
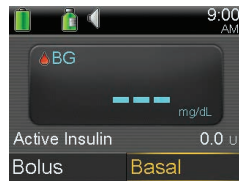
- Review basal rates.
- Select **Save**.

TEMP BASAL (TEMPORARY BASAL RATE)

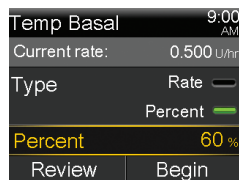
This feature lets you immediately increase or decrease your basal insulin for the period of time (duration) that you set. It is often used for exercise and sick days. A Temp Basal can be set in either Percent (delivers a percent of the current basal rate) or by Rate (delivers the amount that you enter).

SET TEMP BASAL RATE

- From Home screen, select **Basal**.
- Select **Temp Basal**.
- Press to set duration and press .
- Select **Next**.
- Select **Percent**.
- Press or to enter the percent of current basal rate desired.



NOTE: If you choose to use Rate, select Type, and you can then enter the U/hr desired.



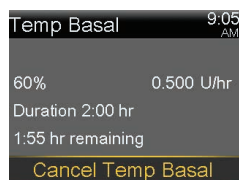
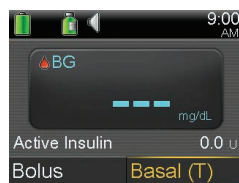
- Select **Begin**.

NOTE: The Home screen reads Basal (T) since you have a Temp Basal active. Select Basal (T) to review the details of the active Temp Basal. When the Temp Basal is complete, the basal will automatically return to the regularly programmed basal rate.

CANCEL TEMP BASAL RATE

If you ever set a Temp Basal and decide you do not need it, it can be canceled.

- From Home screen, select **Basal (T)**.
- Select **Cancel Temp Basal**.



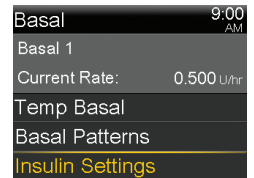
NOTE: Basal rate has now returned to the currently programmed rate.

MULTIPLE BASAL PATTERNS

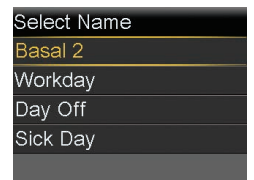
Setting multiple Basal Patterns helps you more easily accommodate routine schedule changes that cause different basal needs (for example, weekday vs. weekend; day vs. night shift).

SET ANOTHER BASAL PATTERN

- From Home screen, select **Basal**.
- Select **Insulin Settings**.
- Select **Basal Pattern Setup**.
- Select **Add New**.
- Select the name you would like to use.
- Enter the basal rates needed for this pattern.
- Select **Done**.
- Select **Save**.



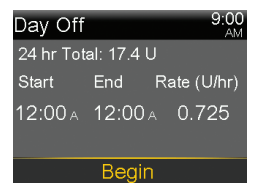
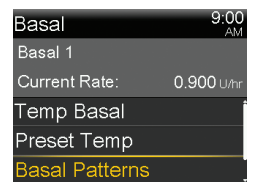
NOTE: The Basal pattern that your pump is currently using has a check mark next to it.



SELECT BASAL PATTERN

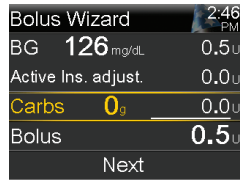
Once multiple basal patterns are set, you can then select the basal pattern you wish to be active.

- From Home screen, select **Basal**.
- Select **Basal Patterns**.
- Select the basal pattern you wish to be active.
- Select **Begin**.



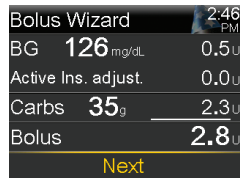
DELIVER FOOD AND CORRECTION BOLUS

1. Test BG. Select **Bolus**.
Select **Bolus Wizard**.



If using linked meter, BG is on screen. If not, select **BG**. Use or to enter BG and press .

2. Select **Carbs**.
3. Use to enter grams of carb and press .
4. Select **Next**.



5. Select **Deliver Bolus**.

NOTE: Active Ins. adjust. is the active insulin from previous boluses that is adjusted (subtracted) from the correction dose. In this example, there was no active insulin to subtract.



DELIVER CORRECTION BOLUS – NO FOOD

1. Test BG. Select **Bolus**.
Select **Bolus Wizard**.
2. If using linked meter, BG is on screen. If not, select **BG**. Use or to enter BG and press .



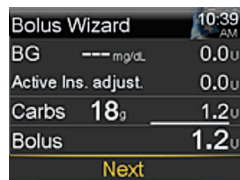
3. Press to **Next**.
4. Select **Deliver Bolus**.

NOTE: In this example, there was active insulin to adjust – it was subtracted from the correction dose.



DELIVER FOOD BOLUS – NO CORRECTION

1. Select **Bolus**. Select **Bolus Wizard**.
2. Press or **Carbs** and press . Press to enter grams of carb and press .
3. Select **Next**.
4. Select **Deliver Bolus**.

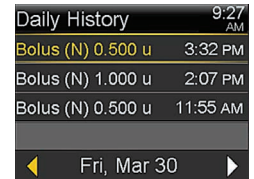
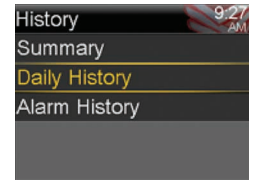


NOTE: Active Insulin is never adjusted (subtracted) from a food bolus.



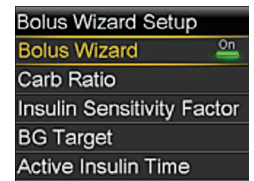
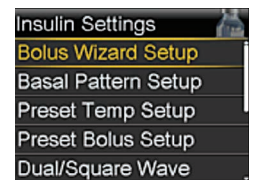
REVIEW BOLUS HISTORY

1. Press .
2. Select **History**.
3. Select **Daily History**.
4. Select the day you want to view.
5. You will see bolus deliveries listed in the history.



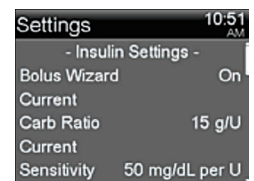
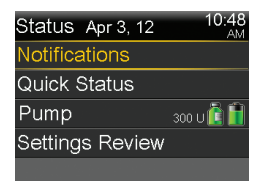
EDIT BOLUS WIZARD™ CALCULATOR SETTINGS

1. From Home screen, select **Bolus**.
2. Select **Insulin Settings**.
3. Select **Bolus Wizard Setup**.
4. Select the setting to be changed.
5. Select **Edit**.
6. Press on the time segment. Press or to change the times and/or values.
7. Select **Save**.


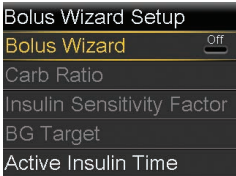

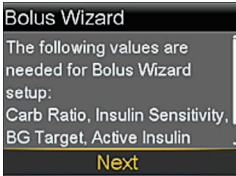
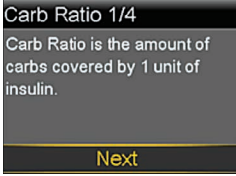


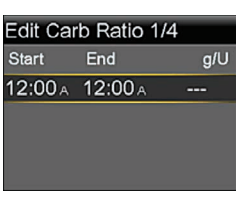



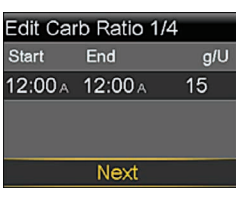

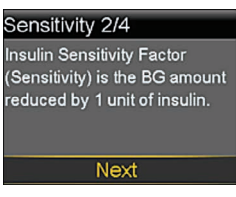




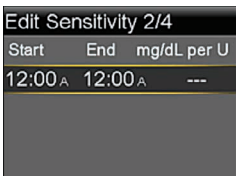

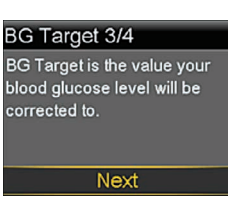


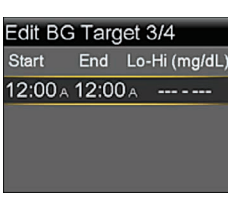






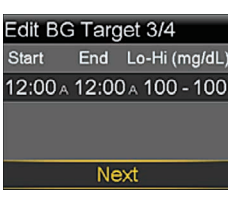
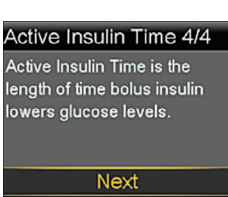
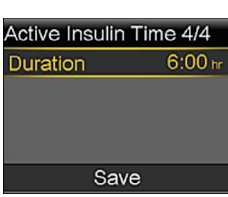



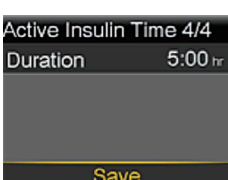


REVIEW BOLUS WIZARD™ CALCULATOR SETTINGS

1. From Home screen, press and select the **Status Bar**.
2. Select **Settings Review**.
3. Press to scroll through the list of settings.

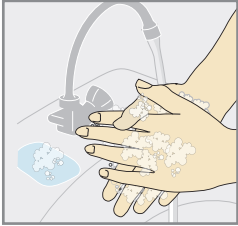



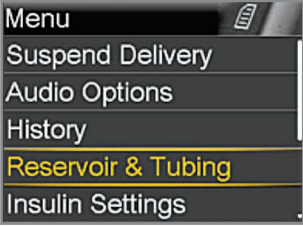
TURNING BOLUS WIZARD™ CALCULATOR ON AND SETUP


- Press .
- Select **Insulin Settings**.
- Select **Bolus Wizard Setup**.
- Select **Bolus Wizard**.
 
- Press  to continue reading text.
- Select **Next**.
 
- Review the description of Carb Ratio and select **Next**.
 
- Press  on the time segment.
- If you have only one Carb Ratio, press .
 
- Use  or  to enter Carb Ratio and press .
- Select **Next**.
 
- Review the description of Sensitivity Factor and select **Next**.
- Press  on the time segment.
 
- If you have only one Sensitivity Factor, press .
- Use  or  to enter Sensitivity Factor and press .
 
- Select **Next**.
 
- Review the description of BG Target and select **Next**.
 
- Press  on the time segment.
- If you have only one BG Target range, press .
 
- Press  or  to enter the **Lo** target and press .
- Press  or  to enter the **Hi** target and press .
- Select **Next**.
 
- Review the description of Active Insulin Time and select **Next**.
 
- Select **Duration**.
 
- Use  or  to enter Active Insulin Time and press .
 
- Select **Save**.


The Bolus Wizard™ setup is now complete.

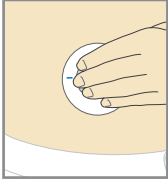
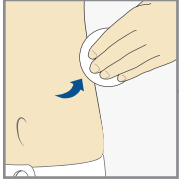
START HERE:

1  Wash your hands. Press .

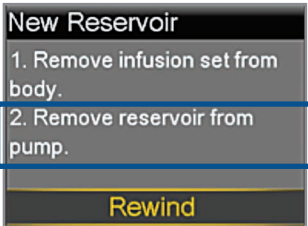
2  Select **Reservoir & Tubing**.

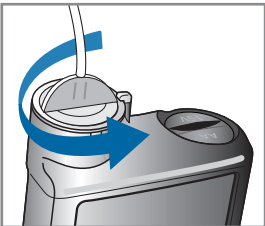
3  Select **New Reservoir**.

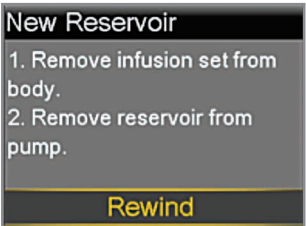
4  Remove the infusion set from body.
2. Remove reservoir from pump.
Rewind


 

Remove the infusion set you have been using by loosening the adhesive and pulling away from body.

5  Remove the used reservoir from the pump.
Rewind

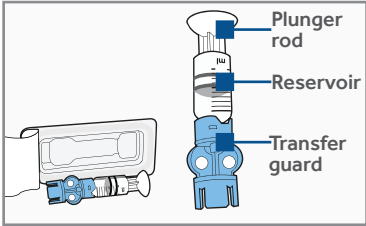


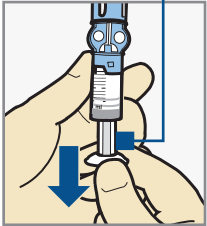
6  Select **Rewind**.

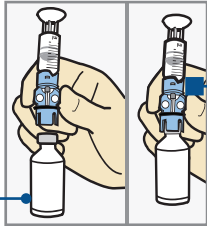
 **Next**

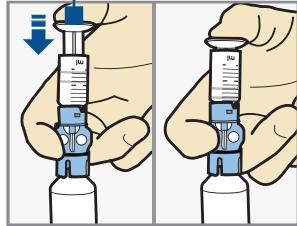
FILL RESERVOIR & CONNECT TO THE INFUSION SET TUBING

Follow the next steps to fill reservoir with insulin and connect to the infusion set tubing.

1  Remove from package. Make sure insulin vial is at room temperature to reduce the risk of air bubbles.

2  Pull plunger down to the amount that you plan to fill with insulin.

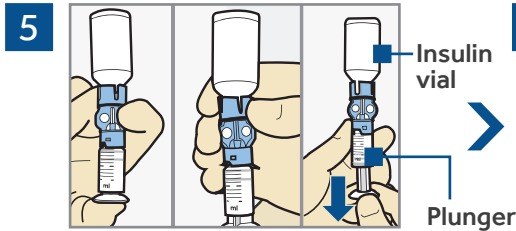
3  Wipe vial with alcohol. Place vial on table. Firmly press the blue transfer guard onto vial.

4  Push and hold plunger down.

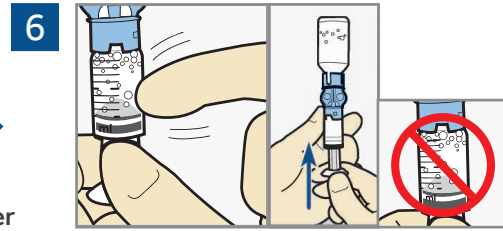
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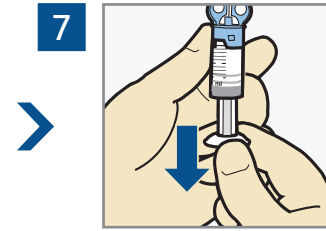
WARNING: Do not use the reservoir or infusion set if any liquid gets on the top of the reservoir or inside the tubing connector. Liquid can temporarily block the vents and may result in the delivery of too little or too much insulin, which can cause hypoglycemia or hyperglycemia.



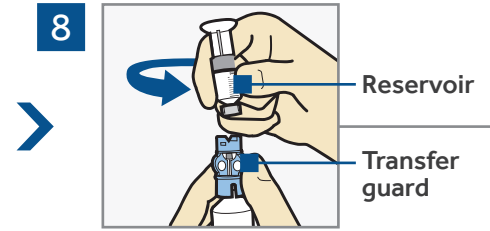
With your thumb still on the plunger, flip over so vial is on top. Release thumb and pull plunger down to fill with insulin.



Tap the reservoir to move air bubbles to top of reservoir. Push plunger up to move air into vial.

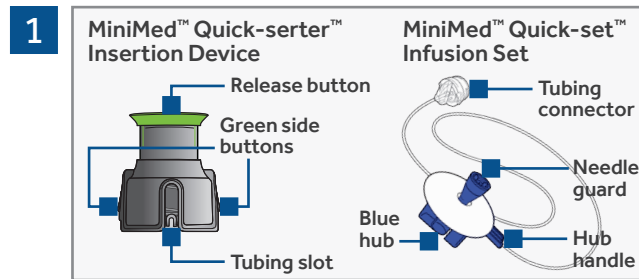


If needed, pull plunger back down to amount of insulin needed for 2-3 days.

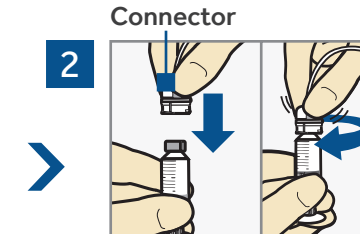


To avoid getting insulin on the top of the reservoir, turn vial over so it is upright. Hold transfer guard and turn reservoir counter-clockwise and remove from transfer guard.

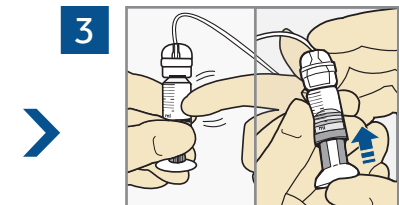
CONNECT RESERVOIR TO INFUSION SET
You will place the tubing connector onto the end of the infusion set to the filled reservoir.



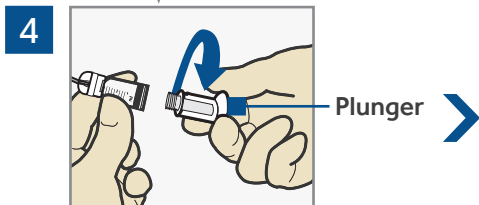
Remove infusion set from package. Remove the paper that holds the tubing together.



Gently push the tubing connector onto reservoir. Turn clockwise until locked. You will hear a click.



If you see air bubbles, tap reservoir to move them to top. Push plunger just a bit to move them into tubing.



Twist plunger counter-clockwise to loosen and remove.

THE BACKLIGHT MAY HAVE TURNED OFF
Press any button to turn the screen back on.



Select **Load Reservoir** and unlock pump if necessary.



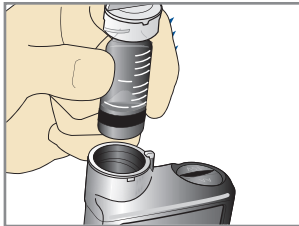
Select **Next**.

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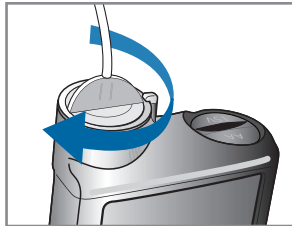
PLACE RESERVOIR INTO PUMP

Now place the filled reservoir into the reservoir compartment of the pump.

New Reservoir
3. Place reservoir into pump and lock.
DO NOT CONNECT TO BODY.
Next

1 

Place reservoir into pump.

2 

Turn clockwise until you feel reservoir lock into place.

3 **New Reservoir**
3. Place reservoir into pump and lock.
DO NOT CONNECT TO BODY.
Next

Select **Next**.

LOAD RESERVOIR AND FILL TUBING

Follow these steps to load the reservoir and fill the tubing.


1 **Load Reservoir**
Select Load and hold until complete.
DO NOT CONNECT TO BODY.
Load **Next**

Select **Load** and keep holding .

2 **Load Reservoir**
Complete
DO NOT CONNECT TO BODY.
Load **Next**

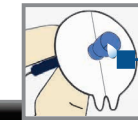
When you see this screen, select **Next**.

3 **Fill Tubing**
DO NOT CONNECT TO BODY.
Hold Fill until drops appear. Then select Next.
0.0 u
Fill **Next**

Select **Fill** and keep holding  until you see drops at the end of tubing, then let go.

4 **Fill Tubing**
DO NOT CONNECT TO BODY.
Hold Fill until drops appear. Then select Next.
11.3 u
Fill **Next**

After you see drops, press  and select Next.

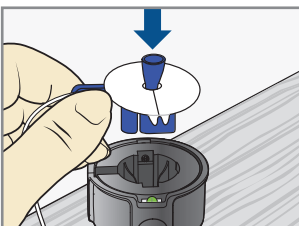


Drops at end of tubing

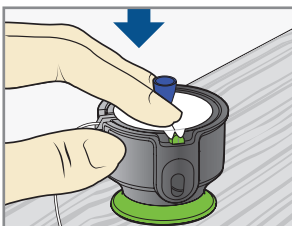
INSERT INFUSION SET

Next, follow the steps to insert the infusion set into your body.

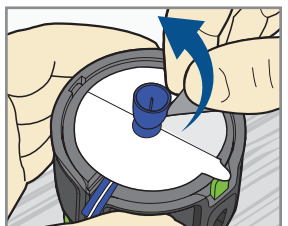
Fill Cannula?
1. Insert infusion set into body.
2. Select Fill to fill cannula or Done if not needed.
Fill **Done**

1 

Place the MiniMed™ Quick-setter™ insertion device onto a sturdy flat surface with handle facing down. Place **blue** hub into serter, placing the handle in the tubing slot.

2 

Use two fingers to seat the infusion set inside the serter securely and gently push down.

3 

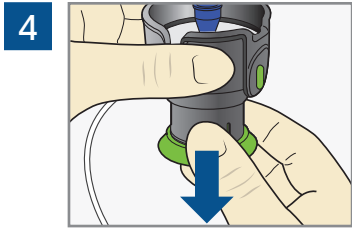
Peel the paper from the adhesive on both sides of the needle guard.

Continued on next page



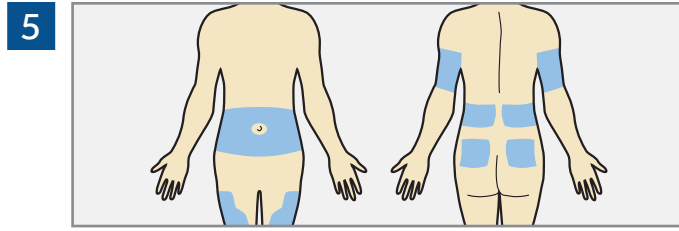
CHANGING THE MINIMED™ QUICK-SET™ INFUSION SET

MINIMED™ 630G
INSULIN PUMP



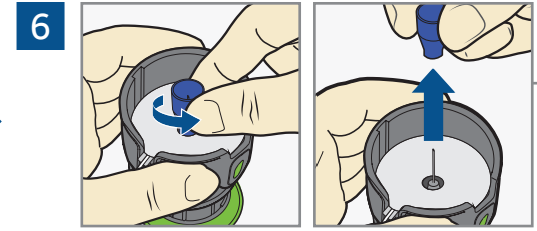
4

Pull **green** handle down until it clicks. The two **green** side buttons will also click into place. Do not press the **green** side buttons at this time.



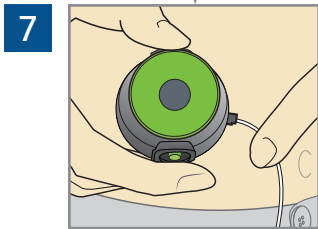
5

The best areas of the body to insert the infusion set are shown in the shaded areas of this drawing. Choose areas that are away from the natural bend of your waist or belt line of your pants. Avoid areas of hard or scar tissue. Consult with your healthcare provider on appropriate areas to insert your infusion set. Wipe with alcohol or other antiseptic.



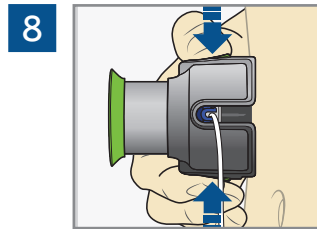
6

Turn to loosen needle guard and pull.



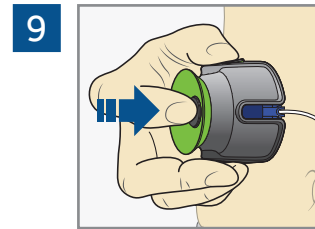
7

Holdserter against cleaned site.



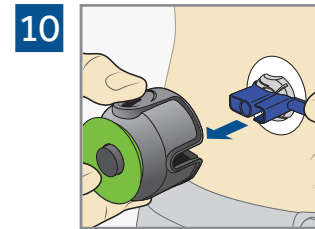
8

Press the two **green** side buttons at the same time. If they are not pressed at the same time the infusion set will not insert properly.



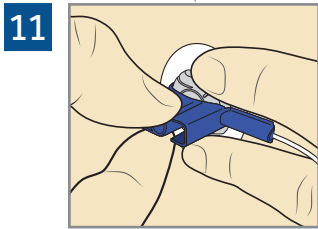
9

Press down the release button of theserter to release the infusion set.



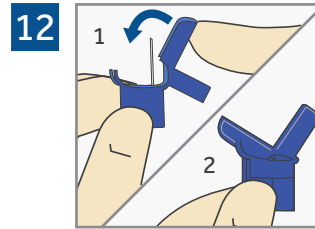
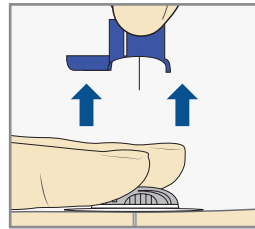
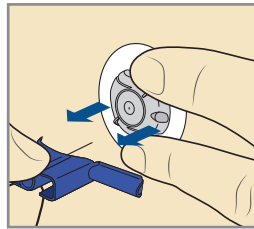
10

Pullserter away from body. Press adhesive against skin.



11

Hold infusion set. Pull blue handle straight out to remove needle.



12

Fold blue handle until locked.



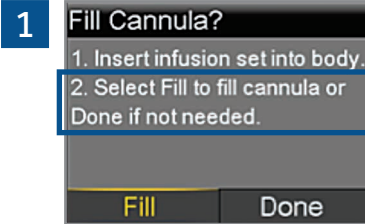
**DISPOSE
BLUE HANDLE
INTO A SHARPS
CONTAINER**

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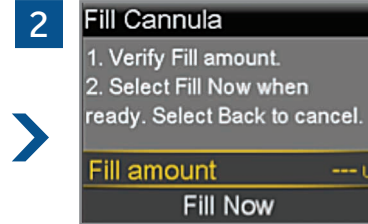


FILL CANNULA

You will now fill the cannula, the little tube under your skin, with insulin.



Select **Fill**.



Select **Fill amount** and enter:

- 0.300 if using 6mm cannula
- 0.500 if using 9mm cannula

Then press **Fill Now**.



NOTE: Your pump will remember the **Fill amount** that you used last. Always verify that the Fill amount is correct.

- If it is correct, press **✓** to **Fill Now** and press **○**
- If it is incorrect, press **○**. Change to correct amount and press **○**. Select **Fill Now**.



Select **Fill Now**.



The Home screen displays the insulin as it fills the cannula.



NOTE: Select **Stop Filling** if you need to stop, for example, if you notice the **Total** amount is incorrect. This should rarely happen if you have verified the **Fill amount** on the previous screen.

**YOUR
INFUSION SET
CHANGE
IS NOW
COMPLETE!**

GLUCOSE MONITORING

SCHEDULE FOR ADJUSTING PUMP SETTINGS

When first starting pump therapy or any time pump settings need adjusting:

- Check your blood glucose (BG):
 - When you wake up
 - Before each meal
 - 2 hours after each meal
 - Bedtime
 - Mid-sleep or every 3–4 hours during sleep
- Do not eat between meals.



Checking BGs at these times provides the information needed to adjust and fine-tune pump settings as directed by your healthcare professional.

SCHEDULE FOR ROUTINE MONITORING

Once your pump settings are adjusted correctly and your glucose levels are stable, establish a routine that includes always checking your BG:

- When you wake up
- Before each meal
- Bedtime
- Occasionally mid-sleep
- Test more frequently during travel, times of stress, and illness



TREATING LOW BLOOD GLUCOSE LEVELS

HOW TO TREAT MILD/MODERATE LOWS

15–15 Rule

If BG drops below 70 mg/dL:

1. Eat 15 grams of fast-acting carbohydrate.
2. Re-check BG in 15 minutes.
3. If BG is still below 70 mg/dL, repeat Steps 1 & 2 every 15 minutes until BG is within range.

Items that contain 15 grams:

- 3 to 4 glucose tablets
- 5 jelly beans
- 4 oz juice or soda (not diet)
- 8 oz milk (low or non-fat)
- 1 Tbsp sugar or honey

If BG is lower than 50 mg/dL, start treatment by eating 20 to 30 grams of carbohydrate or as otherwise directed by your healthcare professional.

HOW TO TREAT A SEVERE LOW

Keep a Glucagon Emergency Kit on hand in case a severe low occurs. Glucagon can be given by injection to raise glucose levels if you are unable to eat or drink to treat a low, or if you are unconscious.



A family member, co-worker, or friend should be instructed on how to give glucagon.



NOTE: If you are using continuous glucose monitoring (CGM), do not rely on sensor glucose values for making treatment decisions or the Suspend on low feature to prevent or treat a low blood glucose.

TREATING HIGH BLOOD GLUCOSE LEVELS AND DKA PREVENTION

Most highs can be easily lowered simply by giving a correction bolus. Follow your healthcare professional's instructions for correcting high blood glucose and testing for ketones.

GENERAL GUIDELINES: IF BG IS HIGH BUT IS LOWER THAN 250 MG/DL

- | | |
|---|---|
| <ol style="list-style-type: none"> 1. Enter the BG reading into your pump. 2. Allow the Bolus Wizard™ feature to calculate the correction bolus amount. | <ol style="list-style-type: none"> 3. Confirm the bolus amount and select Deliver Bolus. 4. Recheck your BG in one hour and again each hour until your BG is back within target range. |
|---|---|

**Never ignore high BG readings.
Always consult the Bolus Wizard™ calculator to see if a correction bolus should be taken.**

GENERAL GUIDELINES: IF BG IS HIGHER THAN 250 MG/DL — CHECK FOR KETONES

If ketone test is negative:

1. Enter BG into pump/consult Bolus Wizard™ calculator to see if correction dose is needed.
 - Use pump to give correction dose.
2. Recheck BG in 1 hour:
 - If BG is starting to decrease, continue to monitor until normal.
 - If BG is same or higher:
 - Give correction dose using a syringe.
 - Change infusion site, infusion set, reservoir, and insulin.
 - Continue to check BG every hour until BG returns to normal.

If ketone test is positive:

1. Take correction dose using a syringe.
2. Change infusion site, infusion set, reservoir, and insulin.
3. Troubleshoot pump.
4. Check BG every 1 to 2 hours. Give correction boluses as needed.
5. Drink non-carbohydrate fluids.
6. If BG continues to rise or if you have moderate to high ketones, nausea, or vomiting, notify physician or go to the nearest emergency room. If you have difficulty breathing, call 911.

SICK DAY GUIDELINES

Illness and/or infection usually cause BGs to run higher than normal. Therefore, the risk of developing DKA is increased when you are ill.

Because DKA symptoms are similar to flu and stomach virus symptoms, check your BG and monitor for ketones often during illness.

- Check BG every 2 hours or as directed by your healthcare professional.
- Check urine or blood for ketones as directed by your healthcare professional.
- Immediately check ketones if you have nausea, vomiting, or abdominal pain.

- Notify doctor if ketones are positive, if you are unable to keep food down, or if no improvement within a few hours. Give a correction dose of insulin with a syringe according to your healthcare professional's recommendations and change infusion set and reservoir.

CHECK FOR KETONES

Follow the instructions in your ketone testing kit.



Unexplained highs that do not decrease with a correction bolus may be caused by a dislodged or kinked infusion set or a weak vial of insulin.

CONNECTING THE PUMP AND METER

MINIMED™ 630G INSULIN PUMP & CONTOURNEXT LINK 2.4 METER

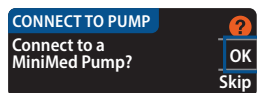
1. Hold the Menu button until meter turns on.



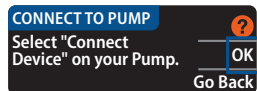
2. Scroll to your language and press **OK**. Press **OK** to confirm.



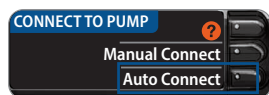
3. Press **OK** when asked **Connect to a MiniMed Pump?**



4. Press **OK**.



5. Press **Auto Connect**.



Put the meter down and pick up your pump.

6. Press **Menu**.



7. Select **Utilities**.

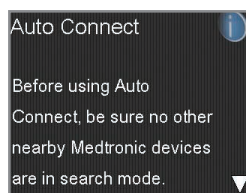
8. Select **Device Options**.

9. Select **Connect Device**.

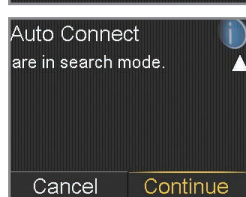


10. Select **Auto Connect** on your pump.

11. Press **Down Arrow**.

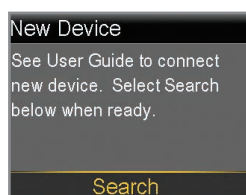


12. Select **Continue**.

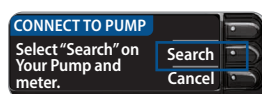


Place the meter and pump next to each other.

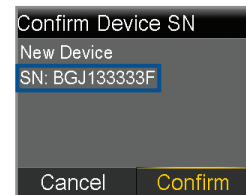
13. Select **Search** on your pump.



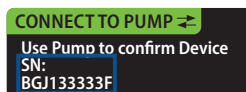
14. Select **Search** on your meter.
The search may take up to 2 minutes.



15. Check to see that the Device SN (serial number) on the pump screen matches the Device SN on the meter.



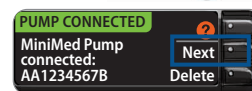
16. If they match, select **Confirm** on the pump.



17. Check to see that the SN on the back of the pump matches the SN now on the meter screen.



18. Select **Next** on the meter.

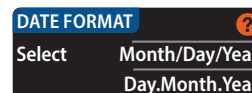


19. Select **Always**.*

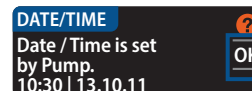


20. Then select **OK**.

21. Select **Date Format**.



22. Select **OK**.



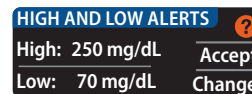
If time and date are not correct, you must change them on the pump.

23. Press **Accept** to select **AutoLog is Off**.



AutoLog allows you to mark a test result as Before Meal, After Meal, or Fasting.*

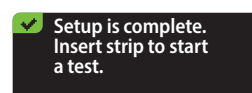
24. **Accept** or **Change** High and Low Alerts.*



25. **Accept** or **Change** the Target Range.* Press **Accept** again to confirm.



26. Setup is now complete and you are ready to use meter.



*For more detail on this feature, read the meter user guide. Discuss with your healthcare professional before choosing these settings/values.

Alerts

An alert makes you aware of a situation that may need attention. When an alert occurs, you should check to see what your pump is telling you. Examples of alerts include **Low reservoir** or **Low battery**.

When an alert occurs:

Notification Light:

The red light on the pump will blink once followed by a pause, blink again followed by a pause. This sequence continues until the alert is cleared. The flashing pattern is shown here:





Audio:

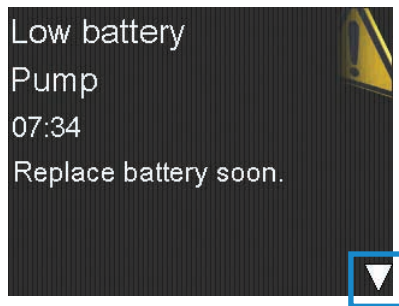
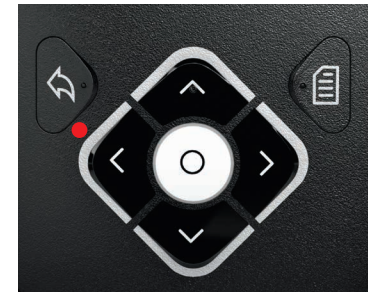
Depending on your Audio Option settings, the pump emits a repeated alert tone, a continuous two-pulse vibration, or both.

Display:

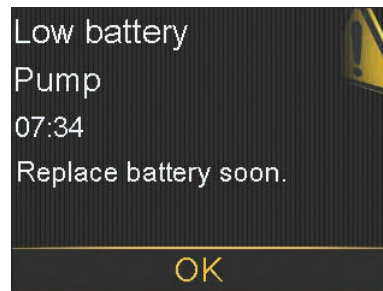
The pump will display a notification with a yellow icon and instructions on what to do.

To address and clear the alert:

1. Read the text on the screen to understand the alert and the steps that should be taken.
2. Press .
3. Press  on the desired option.



Press .



If you do not respond to an alert, the audio / vibration pattern repeats every five minutes until the alert is cleared.



NOTE: If you hear an unexpected sound from your pump, be sure to check your pump screen and review any information being provided.

Alarms

When an alarm occurs, something has been detected that is preventing insulin from being delivered. You are not getting insulin. **It is important that you address an alarm right away.** Examples of alarms are **Insulin flow blocked** and **Replace battery now**.

When an alarm occurs:

Notification Light:

The red light on the pump will blink twice, followed by a pause, blink twice again followed by a pause. This sequence continues until the alert is cleared. The flashing pattern is shown here:





Audio:

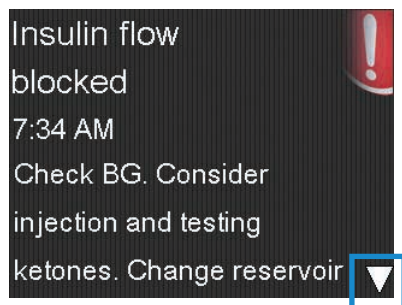
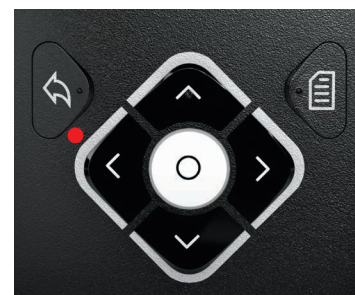
Depending on your Audio Option settings, the pump emits a repeated alert tone, a continuous three-pulse vibration, or both.

Display:

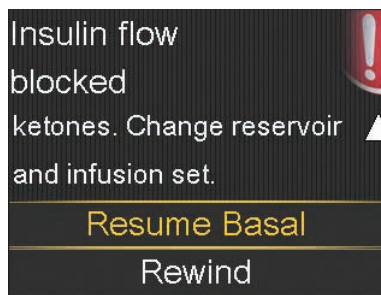
The pump will display a notification with a red icon and instructions on what to do.

To address and clear the alarm:

4. Read the text on the screen to understand the alarm and the steps that should be taken.
5. Press .
6. Press  on the desired option.



Press .



The audio / vibration pattern repeats every minute for 10 minutes if the alarm is not cleared.

After 10 minutes, the alarm begins to siren.



IMPORTANT: An Insulin flow blocked alarm occurs when insulin cannot be pushed through the tubing or cannula. If this alarm occurs, make sure your reservoir is not empty and check the tubing for kinks, knots or other obvious blockages.

- If you detect an issue and are able to resolve it, check BG and select Resume Basal. If an Insulin flow blocked alarm occurs again, follow the steps on the screen and select Rewind to change your reservoir and infusion set.
- If you are unable to detect an issue, follow the steps on the screen and select Rewind to change your reservoir and infusion set.

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