Getting Started with the MiniMed™ 640G System

Intelligent for Better Control
At Medtronic we are not just committed to developing new and innovative products to help improve the lives of people with diabetes. We also provide you with ongoing support and customer service to help you make the most of your pump therapy and continuous glucose monitoring.

By registering for MiniMed Care, you can benefit from the following:

- Updates about our latest research and breakthrough technologies
- Regular tips and tricks for easier diabetes management
- Access to free interactive learning modules and tailored content for pump users

Register today at www.medtronic-diabetes.co.uk/minimedcare/registration
Getting Started with the MiniMed™ 640G System

Welcome! We are glad that you have chosen insulin pump therapy and are excited for you to begin using your MiniMed™ 640G.

The MiniMed™ 640G system features innovative technology to more closely mimic the way a healthy pancreas delivers basal insulin to the body and help you achieve better glucose control. The MiniMed 640G system has been designed to provide you with:

- Advanced protection from dangerous high and lows
- Personalised convenience to help you manage daily diabetes tasks

The MiniMed 640G insulin pump also has a new, improved design for consistent ease of use.

Whether you are just starting pump therapy or upgrading from a previous pump model, this guide provides you step-by-step instructions on the basic operation and programming of your MiniMed 640G system, including Continuous Glucose Monitoring.

During your in-person training, your trainer will build on this information and help ensure you are confident to begin using your MiniMed 640G.

We hope you enjoy learning about your new insulin pump.

Information contained herein does not replace the recommendations of your healthcare professional.

Please refer to the User Guide and your HCP for more information.

When using an insulin pump, check your blood glucose minimum 4 times a day.

**IMPORTANT:** Do NOT attach the insulin pump to your body or attempt to use insulin in your pump as you use this guide to practice and learn.

Attaching and using must only be done when you receive formal training with your healthcare professional or a certified product trainer.
**The Delivery of Insulin**

**Infusion Set**

1. **Tubing**: carries insulin from the pump to you.
2. **Reservoir Connector**: end of the tubing that attaches the reservoir which holds the insulin.
3. **Insertion Site Section**: other end of the tubing that attaches to you.
4. **Cannula**: tiny flexible tube placed into your body** by the insertion needle included in the insertion site section.
5. **Adhesive**: holds the infusion set in place.
6. **Reservoir Compartment**: part of the pump where the reservoir fits.

You should replace both the infusion set and the reservoir every 2 to 3 days.

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*Quick-set® infusion set shown in illustration.

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

Navigation

Press \( \circ \) from any screen to open the Menu.
Press \( \uparrow \) and \( \downarrow \) to scroll through the menu items.
Press \( \downarrow \) on the desired menu item to open.

The scroll bar appears on menus to indicate when additional text is available.
Press \( \uparrow \) to scroll down to view additional items.
Press \( \downarrow \) to scroll back up.
Press \( \leftarrow \) to go to previous screen. Hold \( \leftarrow \) to return to the Home screen.

*Only available when Sensor feature is on.
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, 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

- **Notification Light**
  - Flashes when an Alert or an Alarm is occurring

The Bottom and Back of Your Pump

- **Pump Serial and Model Number**
  - You may need to provide this information if you call for assistance.

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.

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

- the battery cap found with the pump
- the belt 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 belt clip to turn the cap to the right (clockwise) and tighten until the slot is horizontal to the pump. See image below.

**Note:** Do not undertighten or try to overtighten the battery cap. It should be aligned horizontally with the pump case as shown here.

Once the battery is inserted, the pump will power on and the **Startup Wizard** will begin. You will need to follow it step-by-step to set up your language, time format, time and date.
### Section 2: Home Screen

The Home Screen will be your starting place to access all features in the pump.

- **Status bar**: provides a quick look at the pump's status.
- **Bolus**: gives you access to the bolus delivery screen and other bolus insulin options.
- **Current time**: displays the current time.
- **BG reading**: displays a BG taken in the last 12 minutes.
- **Active insulin**: displays any insulin still active from a previous bolus.
- **Basal**: gives you access to basal insulin options.

#### Status Bar

The Status Bar provides you with icons that let you quickly see information that you often like to know. 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 \(\uparrow\), vibrate \(\downarrow\), or audio and vibrate \(\uparrow\downarrow\).

#### Status Screens

There will be times when you need additional status information such as the number of insulin units left in your reservoir, the last BG entered or your current basal rate.

To access the Status Screens, press \(\uparrow\downarrow\) to highlight the Status Bar and press \(\downarrow\).

### Section 3: Basal Patterns

Basal insulin is delivered throughout the day and night to cover insulin needs between meals and during the night. The pump supplies basal insulin by delivering small amounts of short-acting insulin 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.

#### Basal Patterns Set up - Multiple Basal Rates

It is likely when you start on pump therapy, that you will need more than one basal rate throughout the day and night to meet your body's insulin needs.

For example, a Basal Pattern may look like this:

In this example, the basal pattern includes 5 different basal rates over 24 hours.

Note: The basal rates shown are for illustration purposes only – your basal settings will be different.
Setting Multiple Basal Rates

1. From the Home screen, select Basal > Insulin Settings > Basal Pattern Setup.

2. Select Basal 1 > Options > Edit.

3. Press on the time segment. The End time will be flashing.

4. Press to change End time to 03:00 and press .

5. Press to 0.700 U/hr and press .

6. Change End time to 08:00 and basal rate to 0.800 U/hr using and press . You can now enter the next end time.

7. Repeat steps 3 to 6 to enter the 3 next time segments and basal rates. For the last time segment, you will need to enter 24:00 as the end time to complete the full 24 hours.

8. Select Done.

9. Verify that Basal 1 is entered correctly. Press to view all basal rates.

10. If NO changes need to be made: Select Save.

11. If changes need to be made: Press . Press and press . Repeat steps 7 to 9.

12. Select Save.

Temporary (Temp) Basal Rate

This feature lets you immediately increase or decrease your basal insulin for the period of time (duration) that you set. It is the easiest way to immediately adapt your basal rate according to your daily life and 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

1. From the Home screen, select **Basal > Temp Basal**.

2. Press \( \uparrow \) to set duration and press \( \downarrow \).

3. Select **Next**.

4. Select **Percent**.

5. Press \( \uparrow \) or \( \downarrow \) to enter the percent of current basal rate desired \( \uparrow \).

6. Select **Begin**.

Cancel Temp Basal Rate

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

1. From the Home screen, select **Basal (T)**.

2. Select **Cancel Temp Basal**.

Section 4: Giving Boluses

A bolus is given to cover food that contains carbohydrate and/or to correct glucose levels that are above your target range.

Bolus Wizard

Calculating how much bolus insulin to give can be challenging. When using the Bolus Wizard, all you will need to do is enter your current BG reading along with the amount of carbs you are about to eat.

Once you do this, the Bolus Wizard uses the individual settings provided by your health care professional to estimate your bolus amount. Because these settings are specific to you, you can use it to calculate the precise amount of bolus insulin you need for your food and BG. This can help you better control your glucose levels.

Turning the Bolus Wizard On and Setup

1. From the Menu, select **Insulin Settings > Bolus Wizard Setup > Bolus Wizard**.

2. Press \( \uparrow \) to continue reading text and select **Next**.
3. Follow the instructions to program the following settings: Carb Ratio, Insulin Sensitivity Factor (Sensitivity), BG Target and Active Insulin Time. Each setting will include a short description: you need to select **Next** and enter the requested data.

<table>
<thead>
<tr>
<th>Carb Ratio</th>
<th>Insulin Sensitivity Factor</th>
<th>BG Target</th>
<th>Active Insulin Time</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

4. Select **Save**. The Bolus Wizard setup is now complete.

### Using the Bolus Wizard

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 compatible Bayer meter, the BG and correction dose will already be showing.**

<table>
<thead>
<tr>
<th>Bolus Wizard</th>
<th>Bolus Wizard</th>
<th>Bolus Wizard</th>
</tr>
</thead>
<tbody>
<tr>
<td>BG</td>
<td>BG</td>
<td>BG</td>
</tr>
<tr>
<td>Active Ins.</td>
<td>Active Ins.</td>
<td>Active Ins.</td>
</tr>
<tr>
<td>carbs</td>
<td>carbs</td>
<td>carbs</td>
</tr>
<tr>
<td>active insulin</td>
<td>active insulin</td>
<td>active insulin</td>
</tr>
<tr>
<td>0.4</td>
<td>0.0</td>
<td>0.6</td>
</tr>
<tr>
<td>Next</td>
<td>Next</td>
<td>Next</td>
</tr>
</tbody>
</table>

You will first test and enter your current BG.
You will then enter grams of carbohydrates to be eaten.
The pump displays estimated amount of insulin to be delivered.

**Note:** The boluses shown are for illustration purposes only – your settings and bolus results will be different.

### 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 1.0 u and press ✅.
3. Select **Deliver Bolus**.
4. Confirmation that Bolus has started will appear.

Once the bolus has finished delivering, the pump will return to the normal Home screen.

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

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

**Note:** The boluses shown are for illustration purposes only – your settings and bolus results will be different.

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**Notice:** The boluses shown are for illustration purposes only – your settings and bolus results will be different.
Insulin Pump | Giving Boluses

Stopping a Bolus

To stop a bolus while it is delivering:

1. From the Home screen, select Stop Bolus.
2. Press Yes and select Yes.
3. Select Done.

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

Checking Last Bolus

There may be times when you need to see the time or amount of the last bolus that was given. You can see the last bolus delivered in the Quick Status screen.

From the Home screen, select the Status Bar > Quick Status (see page 12).

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.

Checking Bolus History

You may also want to review the last several boluses that were delivered. You can see the last several boluses delivered in Daily History. Press Menu button > History > Daily History.

Section 5: Contour® Next LINK 2.4 Meter

The Contour Next LINK 2.4 meter from Bayer is the only blood glucose meter able to communicate wirelessly with your MiniMed 640G insulin pump.

With the Contour Next LINK 2.4 meter, you can:

- Wirelessly send glucose readings to your pump
- Deliver a bolus remotely
- Upload your pump data to CareLink™ Personal

Review the parts of your meter here:

Charging your 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. Plug the USB connector into a computer.**
   The computer must be ON and not in sleep, hibernate or power save mode.
2. 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.
3. When charging is complete, the test strip port light will turn off. You can then unplug your meter.

* The Contour Next Link 2.4 meter only works with Contour® Next glucose testing strips.
** If you would prefer not to charge your meter using your computer, you can purchase a compatible outlet charger by calling Bayer Customer Service.

Test Strip Port* and Port Light
Display Screen
Menu and Power Button
USB Connector
Selection/Scrolling Buttons
Protective USB Cap
Contour Next LINK 2.4 Meter
Connecting your Pump and Meter

You will connect your pump and meter at your in-person training. For more information on using your meter, see the User Guide found in the meter box.

1. Press OK when asked Connect to a MiniMed Pump?
2. Press OK.
3. Press Auto Connect.
4. Press (a) on your pump.
5. Select Utilities.
7. Select Connect Device.
8. Select Auto Connect.
9. Press (c).
10. Select Continue.
11. Select Search on your pump.
12. Select Search on your meter.
13. Check to see that the Device SN (serial number) on the pump screen matches the Device SN on the meter.
14. If they match, select Confirm on the pump.
15. Check to see that the SN on the back of the pump matches the SN now on the meter screen.
16. Select Next on the meter.

Place the meter and pump next to each other.

Uploading your pump to CareLink™ Personal

CareLink Personal software is a web-based program that is provided free of charge. This software allows you to upload the data from your pump and glucose meter and review it on easy-to-read reports. This enables you to conveniently track your glucose control and remotely share this information with your healthcare professional.

To upload information from your pump to CareLink Personal, you will use the Contour® NEXT LINK 2.4 meter as the communication device from the pump to your computer, through the USB connector of the meter.

To set up your CareLink Personal account, go to www.medtronicdiabetes.com/carelink
Section 6: Infusion Set and Reservoir

The following is a step-by-step guide to changing the Quick-set® Infusion set.

START HERE:

1. Wash your hands. Press \( \text{Select Reservoir & Tubing.} \)
2. Select Reservoir & Tubing.
4. 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.
8. Push and hold plunger down.
9. With your thumb still on the plunger, flip over so vial is on top. Release thumb and pull plunger down to fill with insulin.
10. Tap the reservoir to move air bubbles to top of reservoir. Push plunger up to move air into vial.
11. If needed, pull plunger back down to amount of insulin needed for 2-3 days.
12. To avoid getting insulin on top of the reservoir, turn vial over so it is upright. Hold transfer guard and turn reservoir counter-clockwise and remove from transfer guard.

IMPORTANT: If insulin or any other liquid gets inside the tubing connector, it can temporarily block the vents that allow the pump to properly fill the infusion set. This may result in the delivery of too little or too much insulin, which could cause hypoglycemia or hyperglycemia.
**CONNECT RESERVOIR TO INFUSION SET**

You will place the reservoir connector onto the end of the infusion set to the filled reservoir.

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

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

**IMPORTANT:** Do not touch the top of the reservoir before connecting it to the infusion set. Please make sure that the connector and the top of the reservoir are dry.

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

4. Twist plunger counter-clockwise to loosen and remove.

**PUMP MAY BE IN POWER SAVE MODE**

Press any button to ‘wake up’ the pump.

**LOAD RESERVOIR AND FILL TUBING**

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

1. Select Load Reservoir if necessary.

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

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

**PLACE RESERVOIR INTO PUMP**

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

1. Place reservoir into pump.

2. Turn counter-clockwise, until you feel reservoir lock into place.

3. Select Next.

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

4. After you see drops, press and select Next.
INSERT INFUSION SET

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

1. Place blue hub into quick-serter, placing the handle in the tubing slot.
2. Holding the serter with one hand, gently press infusion set to secure. Be careful not to push all the way into serter. Do not hold or press on the blue button.
3. Holding needle guard, pull off the paper that covers the adhesive.
4. Pull blue button down until you hear it click.
5. Choose an insertion site from the shaded areas shown here. Wipe with alcohol or antiseptic.
6. Turn to loosen needle guard and pull.
7. Hold serter against cleaned site.
8. Press the two white buttons at the same time.
9. Press the blue button to unlock.
10. Pull serter 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.

Note: Alternative infusion sets offered are Mio®, Silhouette® and Sure-T®. Most of the steps described in this section will be different for each infusion set. Please refer to the instructions for insertion included in the infusion set box.
**Section 7: Alerts and Alarms**

**Alerts**

An alert makes you aware of a situation that may need your 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**.

**Alarm**

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 alert or alarm occurs:**

<table>
<thead>
<tr>
<th>ALERT</th>
<th>ALARM</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Notification Light</strong></td>
<td>The red light on the pump will blink once followed by a pause. This sequence continues until the alert is cleared. The flashing pattern is shown here: ⚫ ⚫ ⚫</td>
</tr>
<tr>
<td><strong>Audio</strong></td>
<td>Depending on your Audio Option settings, the pump emits a repeated alert tone, a continuous three-pulse vibration, or both.</td>
</tr>
<tr>
<td><strong>Display</strong></td>
<td>The pump will display a notification with a yellow icon and instructions on what to do.</td>
</tr>
<tr>
<td><strong>ALARM</strong></td>
<td>The red light on the pump will blink twice followed by a pause. This sequence continues until the alarm is cleared. The flashing pattern is shown here: ⚫ ⚫ ⚫ ⚫</td>
</tr>
<tr>
<td><strong>Audio</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Display</strong></td>
<td>The pump will display a notification with a red icon and instructions on what to do.</td>
</tr>
</tbody>
</table>

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**FILL CANNULA**

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

1. **Select Fill.**

2. Select Fill amount and enter:
   - 0.300 if using 6mm cannula
   - 0.500 if using 9mm cannula
   Then press ( ) Fill Now.

3. **Select 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 ( ) Fill Now and press ( ) Fill Now.
- If it is incorrect, press ( ). Change to correct amount and press ( ) Fill Now.

4. **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!
To address and clear the alert or alarm:

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

Example of alarm:

If you do not respond to:

- An alert, the audio/vibration pattern repeats every five minutes until the alert is cleared.
- An alarm, the audio/vibration pattern repeats every minute for 10 minutes. After 10 minutes, the alarm begins to siren.

**IMPORTANT:** It is important that you are able to address an Insulin flow blocked alarm. This alarm means that insulin is not able to get through the tubing or cannula. If this alarm occurs, check your blood glucose and check to see if your infusion set has become dislodged or if your tubing is kinked.

- If you don’t detect an issue and are unable to change your reservoir and infusion set right away, you might choose to select Resume Basal. If an Insulin flow blocked alarm occurs again, follow the steps on the screen. Select Rewind and change your reservoir and infusion set.
- If you detect an issue or if your reservoir has run out of insulin, follow the steps on the screen. Select Rewind to change your reservoir and infusion set.

You can call the Product helpline if you have questions about your pump, alerts or alarms.

**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 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.

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

When the delivery is resumed, 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.**

To place the pump in Manual Suspend: from the Menu, select Suspend Delivery > Press ◐ and select Yes.

Notice that the Home screen has changed.

To resume Basal Insulin Delivery, select Resume from the Home screen.
Section 9: Introduction to Continuous Glucose Monitoring

Continuous glucose monitoring (CGM) gives you a more complete picture of your glucose control:

- Using a sensor allows you to receive up to 288 sensor glucose readings every 24 hours, filling the gaps between your BG tests.
- Graphs and trend arrows show the speed and direction your glucose levels are moving.
- CGM alerts notify you of high and low glucose values.

MiniMed 640G also includes SmartGuard™, Medtronic’s exclusive closed loop technology. SmartGuard mimics some functions of a healthy pancreas, to provide you with advanced protection from hypoglycemia:

SmartGuard can:

- PREDICT when you are approaching low glucose levels 30 minutes in advance
- Automatically STOP insulin delivery before you go hypoglycemic
- And automatically RESUME it when your glucose levels recover.

Note: Drawings throughout this document are only generic representations of the system components.

Section 10: Sensor Glucose (SG) and Blood Glucose (BG)

Your BG meter measures glucose levels in your blood. The glucose sensor measures glucose in the fluid surrounding the cells of your tissue called interstitial fluid.

Glucose travels between these two areas (blood and interstitial fluid). Most of the time, it travels to your blood first, and then to your interstitial fluid. Because of how glucose moves, your BG meter readings (BG) and sensor glucose readings (SG) will be close, but will rarely match exactly. This difference is normal and should be expected.

When glucose levels are rising or falling quickly, you should expect to see an even larger difference between your BG meter readings and the sensor glucose readings.

Examples of times when this larger difference may occur include:

- After meals or taking a bolus of insulin
- During exercise
- When arrows appear on your pump screen as explained in the next section

** Note: Always use the components that were sent with your MiniMed 640G System.

** See Appendix pages 65-66 for further details on how SmartGuard works.
** The transmitter must be within 1.8 meters of the insulin pump in order to communicate sensor readings.
The MiniMed 640G insulin pump will not communicate with MiniLink transmitters.
Section 11: Trends

Sensor glucose trends give insight into the direction and the speed that your glucose is changing. The sensor graph and trend arrows are used to show your trend information.

**Example of Sensor information on the Home Screen**

By looking at the sensor information above, you can see that your current glucose reading is 5.6 mmol/L. When you look at the graph, you can see that you are trending downward.

Furthermore, you see arrows above the number. These arrows indicate the rate that your glucose values are moving up or down:

- ↑ or ↓: SG has been rising or falling by about 1-2 mmol/L over the last 20 minutes
- ↑↑ or ↓↓: SG has been rising or falling by about 2-3 mmol/L over the last 20 minutes
- ↑↑↑ or ↓↓↓: SG has been rising or falling greater than 3 mmol/L over the last 20 minutes

**Important:** When using CGM, focus less on each individual glucose number and more on the direction and speed that your glucose is changing.

**Note:** You may be likely to notice your glucose trending up or down after eating, giving a bolus, or when exercising.

Section 12: Personalised Alerts

Your CGM alert and suspend settings are most beneficial if they are personalised for your needs. Your healthcare professional will work with you to determine your initial settings and help with adjustments that need to be made, as you learn more from the information that CGM provides.

The graph below shows an example of the different settings that can be personalised for both High and Low sensor glucose readings.

**Turning Sensor Feature On**

Before setting any of these sensor alerts, you must first turn the sensor feature on. To turn the sensor feature on, go to the Menu > Sensor Settings and select Sensor.
Low Settings

The Low Settings include alerts, as well as the SmartGuard™ suspend by sensor features. You can choose to be alerted if your sensor glucose:
- is approaching your low limit (Alert before low)
- has reached your low limit (Alert on low)

The SmartGuard suspend by sensor features can automatically suspend insulin if your sensor glucose:
- is approaching your low limit (Suspend before low)
- has reached your low limit (Suspend on low)

This will keep you from getting additional insulin that would continue to lower your sensor glucose level.

Your low (Lo) limit can be set from 2.8 to 5.0 mmol/L. This is the value on which the other low settings described below are based. You can set up to eight low limits for different periods of the day or night.

<table>
<thead>
<tr>
<th>Alert</th>
<th>Reason</th>
<th>Steps to take</th>
</tr>
</thead>
<tbody>
<tr>
<td>Alert before low</td>
<td>If Suspend before low is on, you will be alerted when insulin is suspended. If Suspend before low is off, you will be alerted when your sensor glucose reading is expected to reach your low limit in 30 minutes.</td>
<td>Do not treat your glucose based on SG. Confirm it using your BG meter and continue to monitor. Treat based on instructions from your healthcare professional.</td>
</tr>
<tr>
<td>Alert on low</td>
<td>Sensor glucose value is equal to or lower than your low limit.</td>
<td></td>
</tr>
</tbody>
</table>

Note: If either Suspend on low or Suspend before low is turned on, Alert on low will automatically be set to on so you know that your glucose is at or below your low limit.
Resuming Basal Insulin

Automatic Basal Resume

In addition to suspending insulin delivery, the pump can also automatically resume delivery of basal insulin. If insulin has been suspended by either Suspend before low or Suspend on low, insulin delivery will automatically be resumed:

- if SG values are at least 1.1 mmol/L above the low limit and are trending upward.
  If you have the Resume basal alert on, you will be alerted when this occurs.
- after a maximum suspend time of 2 hours. You will always be alerted (even if the Resume basal alert is off) when this occurs. It is important that you check your BG and ensure your glucose is at a safe level.

Manual Basal Resume

You can choose to resume basal insulin delivery yourself at any time. You simply need to select Suspended before/on low on the Home screen and follow the instructions on the screen.

Setting up your Low Settings:

In this example, we will set up multiple time segments with different alert and suspend settings.

1. From the Menu, go to Sensor Settings > Low Settings and select Low Settings to turn On.

2. Press on the time segment.

3. Press or to set Lo limit and press .

4. Press to continue onto the next screen.

5. Select each feature you wish to turn on. In this example, Suspend before low has been turned on. Notice that Alert on low is automatically turned on.

6. Once settings are selected, select Next.

7. Press on the time segment. Repeat steps 3 to 7 to enter the next time segment and select the features you want to turn on for this segment. In this example, Alert before low, Suspend on low, and Resume basal alert have been turned on.

8. Select Done.

9. Verify that settings are correct and select Save.
10. If snooze time needs to be changed, press \( \text{to Snooze} \) and press \( \text{.} \) The low snooze time can be set from 5 minutes to 1 hour.

11. Press \( \text{or} \) to the correct time and press \( \text{.} \)

Your Low Settings setup is now complete.

**High Settings**

The High Settings allow you to be alerted if your sensor glucose:

- is rising rapidly (Rise Alert)
- is approaching your high limit (Alert before high)
- has reached your high limit (Alert on high)

**Remember:** Sensor glucose values must be confirmed with a BG meter reading before diabetes treatment decisions can be made.

<table>
<thead>
<tr>
<th>Alert Reason Steps to take</th>
</tr>
</thead>
<tbody>
<tr>
<td>Alert before high</td>
</tr>
<tr>
<td>Alert on high</td>
</tr>
<tr>
<td>Rise Alert</td>
</tr>
</tbody>
</table>

- \( \uparrow \uparrow \) - SG is rising at a rate of 0.056 mmol/L per minute or more
- \( \uparrow \uparrow \uparrow \) - SG is rising at a rate of 0.111 mmol/L per minute or more
- \( \uparrow \uparrow \uparrow \uparrow \) - SG is rising at a rate of 0.167 mmol/L per minute or more
- Custom - SG is rising at the rate that you set. This can be set from 0.050 to 0.275 mmol/L per minute |

*Time before high determines how many minutes before reaching the high limit that you will receive an Alert before high. This can be set from 5 to 30 minutes.

**Remember:** You can set up to 8 different time segments throughout the day and night. Each time segment can have different high limits and high alerts that work best for you during that time of day or night.
Setting up your High Settings:

1. From the Menu, go to Sensor Settings > High Settings and select High Settings to turn On.

   If you are changing settings that are already entered, press to Setup and press .

2. Press on the time segment. If you are setting multiple time segments with different high limits and alerts, press to set the first End time and press . In this example, only one time segment is set.

3. Press or to set Hi limit and press . In this example, the limit is set to 13.8 mmol/L.

4. Press to continue onto the next screen and select each alert you wish to turn on.

   - Alert before high
   - Time before high
   - Alert on high
   - Rise Alert
   - Next

   - 00:00-24:00 13.8 mmol/L
   - Alert on high
   - Next
   - Done

5. Once settings are selected, select Next. In this example, the Alert on high has been turned on.

6. Select Done.

   - High Setup
   - Start End Hi (mmol/L)
   - 00:00 24:00 13.8
   - Alert before high
   - Time before high
   - Alert on high
   - Rise Alert
   - Next
   - Done

7. Verify that settings are correct and select Save.

   - High Setup
   - Start End Hi (mmol/L)
   - 00:00 24:00 13.8
   - Alert before high
   - Time before high
   - Alert on high
   - Rise Alert
   - Next
   - Done

8. If snooze time needs to be changed, press to Snooze and press . The high snooze time can be set from 5 min to 3 hours.

   - High Setup
   - High Settings
   - Setup
   - Snooze 1:00
   - Save
   - Done

9. Press or to the correct time and press .

Your High Settings setup is now complete.

Changing High and Low Settings

To make changes to your existing High or Low settings, go to Sensor Settings > High Settings or Low Settings > Setup and select Edit.
Alert Silence

If a sensor alert occurs when Alert Silence is on, a Sensor alert occurred message is displayed and the notification light flashes, but there is no beep or vibration during the set period of time.

To set Alert Silence: from the Menu, go to Sensor Settings > Alert Silence. You can select which alerts you would like to silence and set the time you want these alerts to be silent for.

Alerts will automatically return to audio and/or vibrate at the end of the duration that you set.

Note: If an alert is received during Alert Silence, go to the Menu > History and select Alarm History to see the alerts that occurred.

Section 13: Reading the Sensor Display

Once the sensor has started giving you sensor glucose readings, the Home screen will display them similar to what you see here.

The Sensor Glucose reading is updated every 5 minutes.

Status Bar

In addition to the pump icons, you will see additional sensor icons on the Status Bar when using CGM.

Connection icon: shows radio frequency (RF) communication between the pump and sensor.

Calibration icon: represents the time left until next calibration is due. The icon empties as time decreases. Down arrow means calibration is needed.

Sensor Life icon: represents the number of days before sensor needs to be changed.

Additional icons: appear when the sensor is in warm up, pump and transmitter are out of range, system cannot be calibrated, or calibration or sensor age are unknown.
SmartGuard Suspend by Sensor Icon

During any time segment when either Suspend before low or Suspend on low is set to on, you will see the Suspend by sensor icon on the Home screen:

- Suspend before low or Suspend on low is on and ready. If either suspend becomes active, the icon will flash while insulin delivery is stopped.
- Suspend before low or Suspend on low is on but is unavailable. This can be due to a recent suspend or when no SG values are available.

Sensor Status

You can go to the Sensor status menu to see, for example, when your next calibration is due, time left on your sensor, and battery life remaining on your transmitter.

From the Home screen, select the Status Bar and select Sensor. You will also see additional sensor status information in Notifications, Quick Status, and Settings Review screens.

Sensor Graph

A graph that shows the last 3 hours of sensor glucose readings will always display on the Home screen. Your high and low glucose limits entered in your sensor settings will be shown in red.

You can also view 6-hour, 12-hour and 24-hour glucose trend graphs by selecting the sensor graph. Blue squares at the bottom of the graph represent a bolus.

A gold shaded area represents time when insulin was suspended by sensor.

Section 14: Connecting your Pump and Transmitter

Before using the sensor for the first time, you will need to wirelessly connect the pump and transmitter so that they can communicate with each other. This allows the sensor information to be displayed on the pump screen.

To wirelessly connect your pump and transmitter:

1. Attach your transmitter to the charger and make sure it is fully charged.

2. Press ( advertised in the CGM I Connecting your Pump and Transmitter section) and select Utilities > Device Options > Connect Device. Only one transmitter can be connected to the pump at one time. When you need to connect a new transmitter, you must first select Manage Devices, select the transmitter number and select Delete.


4. Make sure the transmitter is on the charger before proceeding. Now start the search processes on both devices.
4a. Remove transmitter from charger. If green light on transmitter does not flash, reconnect to charger until fully charged.

4b. Immediately select **Search** on the pump. The search can take up to 2 minutes.

5. Once device is found, confirm that the serial number (SN) shown on the pump is the serial number on the back of your transmitter and select **Confirm**. If you receive the *No devices found* message, place the transmitter back onto the charger. Then remove the transmitter from the charger and immediately select **Retry** on the pump.

6. Connection is now complete. The transmitter serial number will be displayed on the pump screen.

**Note:** These steps only need to be done as a first time set-up. You will not have to repeat with each new sensor you start.

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**Section 15: Inserting and Starting the Sensor**

Before you insert your sensor, gather all of your supplies:

- **Enlite serter** is required in order to insert the sensor properly
- **Enlite sensor** is individually packaged and comes attached to a plastic pedestal which is necessary for proper loading into the serter
- **Sensor overtape** is required to keep the sensor securely in place
- **Guardian™ 2 Link transmitter** is connected after the sensor is inserted and covered with the overtape

**Enlite™ System Components**

- **Enlite Serter**
  - A – Sensor
  - B – Pedestal
  - C – Adhesive Tape

- **Enlite Sensor & Pedestal**
  - A – Pre-cut Hole

- **Sensor Overtape**
  - A

*For more details on the Enlite system components, consult the User Guides

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**Note:** If you stop using CGM for a period of time and need to store your transmitter, please make sure to leave it connected to the charger during the storage period. This will help ensure you get the most life out of your transmitter battery.
Selecting Your Site

Your sensor can be inserted in any of the shaded areas shown here**. The sensor insertion site should be at least:

- 5 centimeters from your navel
- 5 centimeters from your insulin pump infusion site
- 7.5 centimeters from any manual insulin injection site

**Clinical trials for glucose sensors were performed on sensors inserted in these areas.

For good sensor glucose performance, avoid sites:

- Where clothing may rub or constrict (for example, your beltline)
- Where your body naturally bends a great deal which may cause the sensor to pull out
- That are scarred or have hardened tissue or stretch marks
- Where there is a great deal of motion or friction

Preparing Your Site

- Wash your hands with soap and water.
- Clean the selected site with an alcohol swab and allow the alcohol to dry. Do not use IV prep or the sensor may not work properly.

Inserting Your Sensor

Wash your hands and clean the insertion site with alcohol.

1. Remove the sensor by holding the pedestal. Place the sensor/pedestal on a clean, flat surface (such as table).
   
2. To load serter, carefully push serter all the way down onto sensor and pedestal until serter sits on table. Be careful not to force the serter too hard onto the sensor/pedestal or it may not load properly.

3. To remove pedestal, place two fingers on pedestal arms and pull serter straight up.

4. Gently place the base of the serter flat against your selected insertion site. The needle location is indicated by the arrows on the serter.

5a. To insert sensor, press green button in and release it. Keep the serter flat against your body.

5b. Hold serter against body and wait at least 5 seconds to allow time for pressure-sensitive adhesive to stick to skin.

5c. Press and hold in the green button.

5d. While continuing to hold in the green button, slowly lift the serter away from your body.

6. With one hand, hold the sensor against your body. With the other hand, hold the needle housing at the tip.

7. Slowly pull the needle housing straight out, away from the sensor. Warning: If bleeding occurs at your sensor site, apply steady pressure using sterile gauze or a clean cloth for up to three minutes.

8. Carefully remove white paper underneath curved adhesive pad. Press entire adhesive to skin for several seconds.

9. Flip adhesive tab so it lies flat, but do not remove the paper backing yet.

Remember: Inserting the sensor requires 2 button presses:

1. To insert the sensor
2. To remove the serter after sensor insertion
Taping Your Sensor

Before you connect the Guardian 2 Link transmitter to your Enlite sensor it is very important that you properly secure the sensor against your skin using the sensor overtape.

1. Remove large paper backing from overtape. Do not remove two smaller paper tabs on sides of overtape.

2. Attach the overtape to both the rounded part of the sensor and the skin in front of the sensor.
   Important: make sure there is overtape on both the rounded part of the sensor and the skin.

3. Apply rest of overtape, but do not block sensor connector with overtape. Press overtape to your skin for several seconds.

4. Remove two paper tabs from sides of overtape. Press overtape against skin.

5. These images show overtape applied correctly.

IMPORTANT: All Enlite tapes and adhesives stick best when you apply pressure for several seconds after putting them on your skin. Doing so helps the Enlite sensor stay securely placed and fully inserted.

Properly applying the overtape is key to ensuring your success with the Enlite sensor. Due to the sensor’s small size and flexible nature, the overtape helps to secure it from body motion or physical activity that can cause it to be pulled out.

Connecting your transmitter to your sensor

Before connecting the transmitter, make sure the Sensor feature is On. See page 37 if you need help with these steps.

1. With one hand, hold sensor in place. With other hand, connect transmitter to sensor.

2. You will hear a faint “click” when the two components are connected. Check for green light to flash on transmitter.

3. Remove the paper on adhesive tab.

4. Fold adhesive tab over transmitter. Be careful not to pull the adhesive tab too tightly or it may cause the transmitter to pull from the sensor connection.

5. Press adhesive onto transmitter. Apply additional tape over transmitter as needed.

IMPORTANT: If you do not see a green light flashing on the transmitter after it is connected to the sensor, then disconnect the transmitter and place it back on the charger to ensure that it is fully charged. Then reconnect the transmitter to the sensor. If for any reason you disconnect the transmitter from the sensor, wait 5 seconds before reconnecting it to the sensor.

It is very helpful to remember the order of these three steps when changing your sensor:

1. Insert the sensor.
2. Tape the sensor in place.
3. Connect the transmitter.

Strongly Suggested: Applying an additional piece of tape over the sensor as shown here helps to ensure the transmitter and sensor stay secure and connected during wear. The Enlite overtape or any other medical tape can be used.

Note: When your transmitter is connected to your sensor they form a water-tight seal to a depth of 2.4 meters for up to 30 minutes. You can shower and swim without removing them.
Starting the Sensor

Once you have inserted the sensor and connected the transmitter, the pump and transmitter will begin to communicate. Make sure your pump is on the Home screen so that the message below (in step 1) will be displayed when the sensor is ready to be started. This typically takes less than a minute, but may take up to 10 minutes.

2. The Sensor warm-up started message will appear.

3. Press \( \textcircled{3} \) and then \( \textcircled{5} \) to clear. Warm up... will appear on the Home screen until sensor is ready for the first calibration. If 15 minutes have passed and the Warm up bar does not appear or it looks like it is not progressing, look in the Quick Status screen, if you see the time of Next cal listed, the sensor is in Warm up.

Section 16: Calibrating

Your continuous glucose monitoring system requires blood glucose meter readings in order to provide you with sensor glucose readings. These BG meter readings are entered into the pump and are for sensor calibrations. Calibration is essential for optimal CGM performance. CGM does not eliminate the need for BG meter tests.

To calibrate, you must test your blood glucose on your meter and then enter that value into your pump. The pump will accept BG meter readings between 2.2 mmol/L and 22.2 mmol/L.

After inserting a new sensor, a calibration is needed:

- Within 2 hours after you connect the transmitter to your sensor and start the Warm up period. Your pump will notify you with a Calibrate now alert when it is ready for its first calibration.
- Again within 6 hours (first day of inserting sensor only)
- Again every 12 hours (when a calibration is necessary you will receive a Calibrate now alert).

Important: After the first day, the minimum number of calibrations required is one every 12 hours. However, calibrating 3-4 times a day is optimal and these can be done when it is convenient for you. To help you remember to calibrate, think “before is best” - typically the best times to calibrate are before meals, before taking insulin, and before bedtime. Also check for arrows - calibrating when there are 2 or 3 arrows may decrease sensor accuracy until the next calibration.
Calibrating the Sensor

There are 5 different ways that you can enter a BG reading to calibrate the sensor.

Calibrating by using the Contour® NEXT LINK 2.4 Meter

When you use the compatible Bayer meter, you will see the meter value automatically displayed on the home screen, as shown here.

1. Select Calibrate Sensor or if you plan to give a bolus using Bolus Wizard, select Bolus.
2. If you have selected Bolus, select Yes to Calibrate Sensor? after bolus is delivered.

Calibrating through the Bolus Wizard

In the Bolus Wizard:

1. Select Deliver Bolus.
2. Select Yes to calibrate sensor.

Calibrating through Home Screen Graph

1. Select to the sensor graph, press and hold.
2. Press or to enter BG value, press and select Calibrate.
Other ways to calibrate

The 2 other ways to calibrate your sensor are through:

- **Sensor Settings**: from the Menu, go to **Sensor Settings > Calibrate Sensor**, select BG and press \( \uparrow \) or \( \downarrow \) to enter BG value > press \( \mathcal{O} \) and select **Calibrate**.

- **Event Markers**: from the Menu, go to **Event Markers > BG > Enter BG > press \( \mathcal{O} \) > select **Save** > select Yes to calibrate sensor.

Once you have entered a calibration BG, the Home screen will show you that the system is calibrating.

You will start seeing sensor glucose readings again in 5-15 minutes.

### IMPORTANT: If you notice a large difference between your BG meter reading and sensor glucose readings, wash your hands and do another BG fingerstick test to help ensure a more accurate reading. Check the sensor site to ensure the sensor overtape is still holding the sensor in place. If there is still a large difference in glucose readings, another calibration may be needed to bring the readings closer together again.

You can use the **Calibration Reminder** to give you notice before the next calibration is necessary.

The Calibration Reminder defaults On with a reminder time of 1:00 hour and you can change it by going to the **Reminders** menu option.

### Alert Reason Steps to take

<table>
<thead>
<tr>
<th>Alert</th>
<th>Reason</th>
<th>Steps to take</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Calibrate now</strong></td>
<td>A calibration is needed in order to receive sensor glucose readings.</td>
<td>Enter BG value into your pump to calibrate.</td>
</tr>
<tr>
<td><strong>Lost sensor signal</strong></td>
<td>Communication between pump and transmitter has been lost for 30 minutes during or after warm-up.</td>
<td>Check that the sensor is still inserted in the skin and the transmitter and sensor are still connected. Move your pump closer to your transmitter.</td>
</tr>
<tr>
<td><strong>Calibration not accepted</strong></td>
<td>The BG meter value could not be used to calibrate; it was too different from the SG value.</td>
<td>Wait at least 15 minutes for BG to stabilise. Wash your hands and repeat the BG test. Use this value to calibrate again.</td>
</tr>
<tr>
<td><strong>BG not received</strong></td>
<td>The transmitter was unable to receive the calibration BG reading from the pump.</td>
<td>Move your pump closer to your transmitter and select OK. The pump will try sending the BG again.</td>
</tr>
<tr>
<td><strong>Sensor expired</strong></td>
<td>Sensor has reached its maximum usage of 6 full days.</td>
<td>Remove the sensor and follow the instructions for inserting and starting a new sensor.</td>
</tr>
<tr>
<td><strong>Change sensor</strong></td>
<td>You have received two Calibration not accepted alerts in a row.</td>
<td>Remove the sensor and follow the instructions for inserting and starting a new sensor.</td>
</tr>
<tr>
<td><strong>Cannot find sensor signal</strong></td>
<td>The pump has not received a signal from the transmitter.</td>
<td>Disconnect and reconnect your transmitter and sensor and select OK.</td>
</tr>
</tbody>
</table>

For a complete list of Alerts and Alarms, refer to the MiniMed 640G System User Guide.
CareLink™ Personal Software

What is CareLink™ software?

CareLink™ Personal software is a web-based software that allows you to upload information from your MiniMed™ 640G system to a secure online (internet) site for viewing.

CareLink software organises all of your insulin pump, sensor glucose and blood glucose meter information into reports (charts, tables and graphs) that can help you track glucose levels, insulin usage and carbohydrate intake over time.

With CareLink software, you can grant your healthcare provider online access, so that your information can be discussed at your next appointment.

Benefits of CareLink software

CareLink Personal software makes it easier to track your glucose levels and see how they are affected by your insulin delivery, meals and exercise routines.

CareLink Personal provides a secure place to store your information and uncover patterns in your glucose control that meter and logbooks alone cannot reveal.

Information from CareLink software can help you and your healthcare provider make more informed therapy decisions aimed at improving your glucose control.

For more information on how to upload information to CareLink Personal software using the CONTOUR® NEXT LINK 2.4 glucose meter from Bayer, see page 23.
X-rays, MRI, or CT Scan

If you are going to have an X-ray, MRI, CT scan, or other type of diagnostic imaging involving radiation exposure, remove your insulin pump, transmitter, and glucose sensor and place them outside of the testing area.

Traveling by Air

If you wear a CGM device, you may need to stop the wireless communication between the transmitter and the pump during the flight.

To temporarily stop wireless communication, turn Airplane Mode on. From the Menu, go to Utilities > Airplane Mode, select Airplane Mode to turn On and Save.

The transmitter continues to measure glucose levels when in Airplane Mode.

To resume wireless communication, turn Airplane Mode off:

When Airplane Mode is turned off and communication resumes, the transmitter will send up to 10 hours of sensor data to your pump.

If Airplane Mode was on for <6 hours:
1) Wait 15 minutes for sensor data to appear on pump screen

If Airplane Mode was on for >6 hours:
1) Disconnect transmitter from sensor and then reconnect it.
2) Select Reconnect Sensor when it appears on the pump screen to begin sensor warm-up.
3) The sensor data (up to 10 hours) will appear on the pump.
4) You will be asked to calibrate in 2 hours to resume sensor readings.

Always remember that it is important when traveling to be extra attentive to monitoring your glucose and prepared to respond if needed.

Appendix | SmartGuard™ Suspend by Sensor Features

The images below show additional detail about using the Smartguard suspend by sensor features of your MiniMed 640G System.

1) **Suspend on low** event:

   ![Image of suspend on low event]

   If sensor glucose (SG) reaches your low limit, insulin delivery will be stopped.
   You will always receive a message and alarm when this occurs.
   You will have 10 minutes to respond before the pump begins to siren.

2) **Suspend before low** event:

   ![Image of suspend before low event]

   To help keep sensor glucose (SG) from reaching your low limit, insulin delivery will be stopped if SG is:
   - at or within 3.9 mmol/L above the low limit
   - estimated to be approaching the low limit in 30 minutes

   If Alert before low is on, you will receive an alert when insulin is suspended.

3) **Alert on low** during Suspend before low:

   ![Image of alert on low during suspend before low]

   If insulin delivery has stopped due to Suspend before low, SG may still reach your low limit.
   You will always be alerted when this occurs.
   You will have 10 minutes to respond before the pump begins to siren.
4) Automatic basal resume based on sensor glucose (SG) value:

During **Suspend before low** or **Suspend on low**, basal insulin will automatically resume if:

- SG is above the low limit and trending upward
- insulin has been suspended by sensor for at least 30 minutes

If **Resume basal alert** is on, you will receive an alert when this occurs. Remember you can manually resume basal insulin at any time.

5) Automatic basal resume due to 2 hour maximum suspend:

During either **Suspend before low** or **Suspend on low**, if basal insulin is not resumed due to SG values, it will automatically resume after 2 hours.

You will always receive an alert when you reach the 2 hour maximum suspend time, even if the **Resume basal alert** is set to off. Remember you can manually resume basal insulin at any time.

6) Suspend by sensor unavailable:

Once basal insulin resumes following either a **Suspend before low** or a **Suspend on low**, there will be a period of time when suspend by sensor is unavailable.

This will most often be 30 minutes if you respond to the suspend alarm, but can be up to 4 hours. See the User Guide for more specific information about this unavailable period.
Who to contact and when?

CONTACT MEDTRONIC
Please contact Medtronic for further guidance and technical advice on using your MiniMed pump.

- If you have any concerns that your pump isn’t functioning correctly.
- If your pump displays a warning sign or alarm which you cannot switch off.
- For more information about a certain pump function.
- For guidance when adjusting your basal insulin dose, as instructed by your doctor.

Visit our website at: www.medtronic-diabetes.co.uk
Alternatively call our customer support helpline 01923 205167

CONTACT YOUR HEALTHCARE PROFESSIONAL
For all other inquiries regarding your health and continuing care please contact your healthcare professional.

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