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Welcome to Auto Mode

In this Getting Started with Auto Mode guide, you will learn about SmartGuard™ technology that automatically adjusts your basal insulin delivery based on your sensor glucose values. To use this technology, your pump will need to be in Auto Mode. In this section, you will learn about Auto Mode and how it works.

For complete information about Auto Mode and your MiniMed® 670G system, see the MiniMed® 670G System User Guide.

Note: Any time your pump is not in Auto Mode, it is referred to as Manual Mode. Manual Mode is not a mode that you turn on or off in a menu, but is simply the mode the pump is in when it is not in Auto Mode.

In Auto Mode:

- Basal insulin is delivered based on your sensor glucose (SG) values and recent insulin delivery needs. This basal insulin delivery is referred to as Auto Basal.
- Auto Mode uses a target of 120 mg/dL.
- You can temporarily change the target to 150 mg/dL for exercise, or other times you would like the target raised.
- You are still required to enter carbs when you eat, and BGs to calibrate the sensor.
- When you enter a BG over 150 mg/dL, Auto Mode may recommend a correction bolus, depending on its calculations for your insulin needs.
- You will receive a BG required notification or alert if your pump needs a BG to enter or stay in Auto Mode.

Note: There are times in Auto Mode when basal insulin is being delivered according to your recent insulin needs, but is not being adjusted based on an SG reading. This is called Safe Basal. You will learn about Safe Basal after you learn about Auto Mode basics.
Section 1: Reviews and reminders before starting Auto Mode

It is important that you read and follow these general reminders before you begin.

**BG testing**

The BG readings you enter into your pump may be used to:

- Calibrate your sensor
- Enter Auto Mode
- Remain in Auto Mode when notified by your pump
- Recommend a correction bolus when a BG of 150 mg/dL or higher is entered

If you believe any BG reading result is inaccurate, wash your hands and re-check your BG. When the pump prompts you to enter a new BG, it is important to perform a fingerstick, and enter a new BG.

**Calibrating**

After the first day of sensor use, the minimum number of calibrations required is one every 12 hours. You may receive an additional Calibrate now alert if the system detects that a calibration is required for accuracy of SG readings. Calibrating 4 times a day is optimal. It is best to calibrate when your glucose is not changing very rapidly. Calibrating when there are ↑↑↑↓ or ↑↑↑↑↓↓↓↓ arrows may decrease sensor accuracy. Many find that a good time to calibrate is before meals. Review the Calibration guidelines in the Calibration section of Getting Started with Continuous Glucose Monitoring for more information.

**Carb entry**

While you are in Auto Mode, it is important that you enter your carbs and confirm insulin delivery for you to receive your food boluses.
Section 2: Using Auto Mode for the first time

There are several steps that you need to complete before using Auto Mode for the first time. Some steps take longer than others to process, and some need to be completed before others. Below are the instructions for how to put your pump into Auto Mode for the first time.

IMPORTANT: Work with your healthcare professional to determine when you should turn the Auto Mode feature on, and to determine your individual settings.

To get your pump ready for Auto Mode

Note: When the Auto Mode setting is turned On, other steps must be completed for it to activate, or start working. If you are using Suspend before low or Suspend on low, they are automatically turned off when Auto Mode becomes active.

1) Use your pump to deliver your insulin for at least 48 hours. This is called the Auto Mode warm up. The warm up helps the pump learn your personalized insulin needs for Auto Mode. Auto Mode warm up begins the first midnight after your pump starts delivering insulin, and takes 48 hours to complete. Your pump does not require the Auto Mode setting to be turned on for the Auto Mode warm up to occur. We will turn Auto Mode on later.

For example, if your pump starts delivering insulin at 3:00 p.m. on Day 1, the warm up starts at 12:00 a.m. (midnight) on Day 2, and completes at 12:00 a.m. (midnight) on Day 4.
2) Turn on the Sensor option and start a sensor, if you are not currently using one. For Auto Mode to work, you must have a working glucose sensor.

To review instructions on sensor use and continuous glucose monitoring (CGM), see *Getting Started with Continuous Glucose Monitoring*. Check with your healthcare professional if you have not received training on using your sensor.

If your Bolus Wizard® is already set up with settings from your healthcare professional, skip to step 4.

Next, you will enter your Carb Ratio and Active Insulin Time in the Bolus Estimate Setup screen. These settings can be entered as individual Bolus Estimate settings, or as part of the Bolus Wizard setup. If you choose to enter the settings within the Bolus Wizard, all of the Bolus Wizard settings must be completed: Carb Ratio, Insulin Sensitivity Factor, BG Target, and Active Insulin Time.

**Note:** If you have entered practice settings into your Bolus Wizard, be sure to check with your healthcare professional and enter your personalized settings. If you have practice settings in your Bolus Wizard, and will not use the Bolus Wizard in Manual Mode, make sure your Carb Ratio and Active Insulin Time are your personalized settings, and turn Bolus Wizard off.

3) Enter your Carb Ratio and Active Insulin Time using one of the following methods:

**Individual Bolus Estimate Settings**

To enter your Carb Ratio and Active Insulin Time as individual settings:

a) Press 🔄.

b) Select Options.

c) Select Delivery Settings.

d) Select Bolus Estimate Setup.

e) Select Carb Ratio or Active Insulin Time.

f) Enter your settings.

**Bolus Wizard Settings**

To use Bolus Wizard to enter your Carb Ratio, Active Insulin, and other Bolus Wizard settings, see *Getting Started with your MiniMed® 670G Insulin Pump*. 
4) Check the Home screen for the following:

- An active temp basal
- A current bolus delivery, including a Square Wave® or Dual Wave® bolus
- Delivery suspended

Auto Mode cannot activate, or start working, during any of these conditions. If any of these conditions exist, you must wait until it is completed, or cancel it, before Auto Mode will work.

5) Read the following Warning. Then follow the steps to turn the Auto Mode setting on.

**WARNING:** Do not put your pump into Auto Mode if you have used the pump in the last 3 days to practice button pressing, or if basal insulin that was programmed into your pump was not your actual basal delivery. Doing so may result in the delivery of too little or too much insulin, which can cause hyperglycemia or hypoglycemia. Auto Mode uses the recent delivery history on your pump to determine the Auto Basal delivery amount you receive.

a) Press 🔄.

b) Select **Options**.

c) Select **SmartGuard**.

d) Select **Auto Mode**.
e) Select **Auto Mode** again to turn Auto Mode on.

f) Check the screen to make sure that Auto Mode is set to **On**. Select **Save**.

Notice that the Auto Mode BG alert is set to **On**. You will learn about this alert in “Information about Safe Basal” on page 21.

**Note:** If Auto Mode is not yet ready, after selecting **Save**, you will receive an alert instructing you to check the Auto Mode Readiness screen.

6) The last step is to enter a BG. You can enter the BG either manually in the Enter BG menu, or using the CONTOUR®NEXT LINK 2.4 meter.

If you have entered a BG within the past 12 minutes, your pump may be in Auto Mode. Your pump will indicate when it is time to enter a BG. Look at your pump screen, and follow the instructions.

**Note:** If you are using a new sensor and it is still warming up, or if the first calibration for a new sensor was just entered, the pump will not be ready for you to enter a BG.

**Note:** If you enter a BG over 150 mg/dL, your pump may recommend a correction bolus as it enters Auto Mode, see Using your pump in Auto Mode on page 12.

---

### If you see the

<table>
<thead>
<tr>
<th>Auto Mode Shield</th>
<th><strong>Do this</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>This shield on the Home screen means that your pump is in Auto Mode.</td>
<td></td>
</tr>
<tr>
<td>a) Go to Viewing the sensor graph in Auto Mode on page 10 to continue learning about Auto Mode features.</td>
<td></td>
</tr>
<tr>
<td>b) You may need to review What to do if your pump is not in Auto Mode on page 8 at a later time.</td>
<td></td>
</tr>
</tbody>
</table>
### If you see the

**Auto Mode not ready message with or without a flashing notification light on your pump**

This means that your pump is not in Auto Mode.

- a) Read the message on the first screen.
- b) Press ☑️ to finish reading the message.
- c) Select **OK**.
- d) To learn about the Auto Mode Readiness status screen, go to **pages 8-10, What to do if your pump is not in Auto Mode**, and complete any actions required.

Check the Home screen if the notification light is flashing:

- a) Press 🍁 to return to the Home screen.
- b) Follow the instructions on the screen and complete the required action.

---

**Note:** Entering a BG before your pump is ready to receive it will not help you enter Auto Mode more rapidly.
Section 3: Checking Auto Mode Readiness

How to tell when your pump is in Auto Mode

After Auto Mode has been turned on and each of the Auto Mode Readiness steps have been completed, Auto Mode becomes active. When Auto Mode is active, a large shield outlined in blue, with a sensor glucose value, appears on the center of your Home screen.

If you see this Home screen, your pump is in Auto Mode, and is delivering Auto Basal.

What to do if your pump is not in Auto Mode

If Auto Mode is turned on but not active, or working, check the Auto Mode Readiness status screen. This screen helps you determine why Auto Mode is not active. There may be actions that you can take to make Auto Mode active.

To check Auto Mode Readiness

1) From the Home screen, press \( \text{○} \).

2) Select Status.

3) Select Auto Mode Readiness.

The Auto Mode Readiness status screen appears showing you what is ready for Auto Mode, and what is not ready for Auto Mode.
The following Auto Mode Readiness status screen shows items that are ready, items that require you to take an action, and items that require you to wait.

- A checkmark icon \( \checkmark \) means the item is ready. The item appears grayed out.
- A question icon \( ? \) by the item means that there is an action that you need to take to get your pump into Auto Mode.
- A wait icon \( \ldots \) by the item means that the pump is updating and there is no action for you to take at this time.

Note: For help with question items \( ? \) and wait items \( \ldots \), see the *Quick Reference Guide* for Auto Mode Readiness status screen on page 32.
When your pump is in Auto Mode, the Auto Mode Readiness status screen shows all items grayed out and checked. This means that all the steps required for Auto Mode are complete, and Auto Mode is working or active.

If all items are not grayed out and checked, see Quick Reference Guide for Auto Mode Readiness status screen on page 32.

Viewing the sensor graph in Auto Mode

The sensor graph in Auto Mode displays information about your SG values and trends, BG entries, Auto Basal deliveries, and bolus entries.

To use the sensor graph

From the Home screen, press 📈 to view the sensor graph.
The graph shows a range of SG values from 50 mg/dL to 350 mg/dL. The green band across the screen represents an SG range from 70 mg/dL to 180 mg/dL. The blue line shows your actual SG values over the time span. At the right end of the blue line is a blue dot representing the most current SG value.

Details about correction bolus, BG entry, and meal (carb) bolus are shown on the graph. To locate details for an icon, look for the icon on the graph, and press < or > to scroll to that icon. The details for that icon are located along the bottom of the screen. Icons shown on the graph are:

- indicates Auto Basal or Safe Basal delivery (micro boluses)
- indicates a bolus for correction only
- indicates a BG entered either manually or using a meter
- indicates a bolus that includes a carb entry; it displays for a carb only or a carb plus correction bolus

Press < or > to cycle through the time span. The SG values and times, BG readings and times, and Bolus amounts display along the bottom of the screen.

A bolus amount followed by an (N) indicates a normal bolus delivered through the bolus feature. Each Auto Basal delivery is displayed as a micro bolus, for example, 0.025 (M). A BG entry is labeled BG, for example BG, 121 mg/dL, and an SG is displayed with the value only for example, 121 mg/dL.

Press < or > to change the time span shown on the graph. The choices are 3 hours, 6 hours, 12 hours, and 24 hours.

To access these graphs:

1) From the Home screen, press .
2) Press < to scroll back over the graph. Sensor values will be shown at the bottom of the graph.
3) Press < to see the 6-hour, 12-hour and 24-hour graphs.
4) Press < to return to the Home screen.
Section 4: Using your pump in Auto Mode

Now you will learn how to use your pump when it is in Auto Mode. Auto Mode screens are similar to, but not exactly the same as, Manual Mode screens. To use Auto Mode, you will follow the instructions on the screens, and apply what you already know about using your pump. First, we will start with some of the basic functions, such as entering a BG and carbs, delivering a bolus, calibrating your sensor, and entering and canceling your temp target.

Entering a BG in Auto Mode

You will need to enter a BG into the pump:

- To calibrate the sensor
- To continue in Auto Mode when the pump alerts you

There are two ways to enter a BG when you are in Auto Mode. You can manually enter a BG or enter a BG using the compatible meter, CONTOUR NEXT LINK 2.4.

Using the CONTOUR NEXT LINK 2.4 meter to enter a BG with or without carbs for food, deliver a bolus, and calibrate your sensor

1) Check your BG. You may need to make a selection on your meter to send the BG reading to the pump, depending on your meter setting for sending over BG results.

2) Select Yes to confirm the BG meter reading.

   If you do not believe the meter result is accurate, do not confirm now. Select No, wash your hands, and recheck your BG.

3) Bolus will be highlighted. If you want to calibrate with this BG, select Calibrate Sensor.
4) If you want to give a bolus, select **Bolus**.
   
   If you do not want to give a bolus, press ✔️, and select **Done**.

5) Select **Carbs** to enter carbs for food.
   
   If you are not eating carbs, go to the next step.

6) Select **Next** to review the calculated bolus amount.

7) Select **Deliver Bolus** to deliver the bolus.

   The Bolus Started message briefly appears, then the Home screen appears, with a banner showing the bolus being delivered.

**Note:** If you entered a BG over 150 mg/dL, Auto Mode may recommend a correction bolus. Proceed through the bolus menu and enter carbs if necessary, and select **Deliver Bolus**.

**Note:** Just like in Manual Mode, you can easily stop a bolus at any time. Press ✅ and select **Stop Bolus**. Then, select **Yes** to stop the bolus. View the amount of bolus delivered, and then select **Done**.
To manually enter a BG and carbs for food, deliver a bolus, and calibrate your sensor

1) Press 🔄.
2) Select Bolus.
3) Select BG.
4) Press 🔍 or ✅ to enter your BG reading, and press ✅.
5) Select Carbs.
6) Press 🔍 or ✅ to enter carbs for your food, and press ✅.
7) Select Next.
8) Review the calculated bolus amount.
9) Select **Deliver Bolus** to deliver the bolus.

Press 🗑️ if you do not wish to deliver the bolus.

The message Bolus Started briefly appears.

A message appears asking if you want to calibrate using the entered BG.

10) Select **Yes** if you want to calibrate.

Select **No** if you do not want to calibrate.

The Home screen appears showing the bolus being delivered.

---

**Note:** If you entered a BG over 150 mg/dL, Auto Mode may recommend a correction bolus. Proceed through the bolus menu and enter carbs if necessary, and select **Deliver Bolus**.

**Note:** Just like in Manual Mode, you can easily stop a bolus at any time. Press 🛑 and select **Stop Bolus**. Then, select **Yes** to stop the bolus. View the amount of bolus delivered, and then select **Done**.

---

**To manually enter your BG only**

1) Press ⚒️.
2) Select **Enter BG**.
3) Select **Enter BG** to adjust the BG value.

4) Press ▲ or ▼ to enter your BG reading, and press ○.

5) Select **Save**.

A message appears asking if you want to calibrate using the entered BG.

6) Select **Yes** if you want to calibrate.

   Select **No** if you do not want to calibrate.

   If your BG reading is over 150 mg/dL, your pump may recommend a correction bolus.
   a) Read the message on the first screen.
   b) Press ○ to finish reading the message.
   c) Select **Bolus**.
   d) Start with step 5 in the previous instructions, To manually enter a BG and carbs for food, deliver a bolus, and calibrate your sensor on page 14.

### Entering and Canceling Temp Target

**To enter your Temp Target**

The standard Auto Mode target is 120 mg/dL. You can temporarily change your Auto Mode target to 150 mg/dL for exercise, or other times you would like the Auto Mode target raised. Check with your healthcare professional for recommendations regarding your temp target use.
1) Press ( ).

2) Select **Temp Target**.

3) Press ( ) or ( ) to set the Temp Target duration you want to use, and then press ( ). The duration can be set in 30 minute increments. The default is 2 hours.

4) Select **Start**.

The message Temp Target Started briefly appears, then the Home screen appears, where a banner shows the remaining Temp Target time.

---

**To cancel your Temp Target**

If you need to return to your standard Auto Mode target of 120 mg/dL before your Temp Target duration expires, you can cancel the Temp Target.

1) Press ( ).

2) Select **Cancel Temp Target**.

The Temp Target screen appears and shows the details of the temp target.

3) Select **Cancel Temp Target** to cancel the temp target.

If you do not want to cancel the Temp Target after reviewing the details, press ( ).

The Temp Target Ended message and duration of the Temp Target briefly appear. Then the Home screen appears.
Section 5: Suspending and Resuming Delivery in Auto Mode

When your pump is in Auto Mode, you can suspend insulin delivery any time you need to.

To suspend delivery

When you bathe, shower or temporarily disconnect your pump for any reason, suspend insulin delivery so that Auto Mode tracks the correct amount of insulin that you received.

1) Press □.

2) Select Suspend Delivery.

3) Select Yes to confirm.

The message Delivery Suspended briefly appears. Then the Home screen appears with a red shield and a red Delivery Suspended banner.

Note: To avoid a Lost sensor signal alert, keep your pump nearby if you disconnect for 30 minutes or longer.

Note: You do not need to suspend your pump when you do an infusion set change. The pump will automatically suspend during a set change process.
To resume delivery

1) Press \( \text{ Resume Delivery } \).

2) Select \text{ Resume Delivery }.

3) Select \text{ Yes} to resume delivery.

The message Delivery Resumed Successfully briefly appears, then the Home screen appears.
Section 6: Information about Safe Basal

When your pump is in Auto Mode, but is not adjusting the basal based on SG readings, it is in Safe Basal. Similar to Auto Basal, Safe Basal automatically delivers insulin to cover your basal needs based on your recent insulin needs. However, Safe Basal does not adjust delivery amounts based on your SG values.

When your pump is in Safe Basal, the outline of the Auto Mode shield is white, as shown below. Depending on the situation, there may or may not be an SG reading displayed.

Safe Basal activates when:

- An SG reading is not available because your transmitter and pump are not communicating, or the sensor calibration has expired.
- Your sensor might be reading lower than your actual glucose values.
- Your BG value is different from your SG value by 35% or more.
- After you change your sensor, during the sensor warm up.
- Auto Mode has been at your personal minimum Auto Mode basal delivery rate for 2 1/2 hours.
- Auto Mode has been at your personal maximum Auto Mode basal delivery rate for 4 hours.

The maximum time your pump will stay in Safe Basal is 90 minutes. However, it may be shorter than that, and resolve itself before you are aware of it. For example, the pump will go into Safe Basal temporarily if it misses an SG value from the transmitter, but then receives the next one.

At other times, when the pump is in Safe Basal and there is an action you can take to help resolve the issue, you will receive an alert that indicates the action to take. Examples of these actions are entering a calibration, entering a new BG, or responding to a Lost Sensor alert.
There is an optional setting called Auto Mode BG alert that is designed to help limit the time spent in Safe Basal. When this alert is turned on, the pump will alert when a BG entry is recommended. Your pump will arrive with this setting turned on. The following alerts are triggered when the Auto Mode BG alert setting is on:

- Auto Mode max delivery
- Auto Mode min delivery
- BG required
- Cal required for Auto Mode

**Note:** Make sure that the Auto Mode BG alert is turned on, and follow the instructions on the pump alert screens to help limit the time that your pump is in Safe Basal delivery.

**Note:** The MiniMed 670G insulin pump modes and insulin delivery table in the Appendix, on page 34 show information on Manual Mode, Auto Mode with Auto Basal delivery, and Auto Mode with Safe Basal delivery.

### To edit the Auto Mode BG alert setting

1. Press 📲.
2. Select **Options**.
3. Select **SmartGuard**.
4. Select **Auto Mode**.
The Auto Mode screen appears with the Auto Mode BG alert set to On by default.

If you want to turn the Auto Mode BG alert off, select **Auto Mode BG alert** to change the setting to Off.

5) **Select Save.**

**Note:** The maximum time the pump can stay in Safe Basal is 90 minutes. After 90 minutes in Safe Basal, if the condition that caused the transition into Safe Basal is not resolved, the pump will exit Auto Mode and enter Manual Mode. When your pump is in Manual Mode, it uses the Basal settings that you have set up. For more information, see *Information about Safe Basal on page 21.*
Section 7: Information about Auto Mode automatic exits

Under certain conditions, your pump will exit Auto Mode automatically:

- After it has been in Safe basal for 90 minutes, and the condition that caused Safe Basal has not resolved.
- After certain pump alarms that require you to take action with your pump, and monitor your BG readings. Alarms that cause the pump to exit Auto Mode include High SG Auto Mode Exit and Insulin flow blocked.

An example of an alarm that will cause your pump to exit Auto Mode is the Insulin flow blocked alarm. To respond to this, or any alarm:

1) Read the message on the first screen.
2) Press to finish reading the message.
3) Follow the instructions in the message.

**Note:** The Insulin Flow Blocked alarm will also cause Auto Mode to turn off. Always check the Auto Mode Readiness screen to get back into Auto Mode.

**Note:** 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.
**Note:** If your pump has exited Auto Mode and you want to use the Low Management Suspend before low or the Suspend on low feature, you need to go to the SmartGuard Low Setup screen and turn the feature on. For instructions, see *Setting up your Low Setup* in *Getting Started with Continuous Glucose Monitoring*. If you want to go back into Auto Mode, see *Returning to Auto Mode on page 27.*
Section 8: Exiting Auto Mode manually

You can manually exit Auto Mode and return to Manual Mode any time.

To exit Auto Mode

1) Press ( ).
2) Select Options.
3) Select SmartGuard.
4) Select Auto Mode to access the Auto Mode screen.
5) Select Auto Mode again to turn Auto Mode off.
6) Select Save.
Section 9: Returning to Auto Mode

WARNING: Do not use Auto Mode for a period of time after giving a manual injection of insulin by syringe or pen. Manual injections are not accounted for in Auto Mode. Therefore, Auto Mode could deliver too much insulin. 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 resume Auto Mode.

Your pump may transition back into Auto Mode if the condition that caused it to transition out of Auto Mode has been resolved, an alarm has not turned the Auto Mode setting off, and you have entered a BG into your pump. If your setting has been turned off, or you have manually turned the Auto Mode setting off, you will need to turn it back on to use Auto Mode again.

To return to Auto Mode

1) Press \( \text{○} \).
2) Select Options.
3) Select SmartGuard.
4) Select Auto Mode to access the Auto Mode screen.
5) Select **Auto Mode** again to turn Auto Mode on.

6) Select **Save**.

7) If your pump does not go into Auto Mode, see *Checking Auto Mode Readiness on page 8.*
### Section 10: Alarms and alerts in Auto Mode

In addition to the pump and sensor alarms that were introduced in *Getting Started with your MiniMed® 670G Insulin Pump*, the following alerts and alarms are experienced only during Auto Mode.

<table>
<thead>
<tr>
<th>Title and text</th>
<th>Cause</th>
<th>Steps to take</th>
</tr>
</thead>
</table>
| **Auto Mode started** | Your pump has started Auto Mode. The SmartGuard Suspend before low and Suspend on low settings are now turned off. | • Select **OK** to clear the alert.  
• Alert is information only. No action is required at this time. |
| **Auto Mode Exit**   | Your pump has exited Auto Mode.                                        | Follow instructions for any alert or alarm you received. Check the Auto Mode Readiness status screen for information to re-enter Auto Mode. |
| **Auto Mode max delivery** | Alerts you when your pump has been delivering insulin at your maximum Auto Mode basal delivery rate for 4 hours. Your personal maximum Auto Mode basal delivery rate is automatically determined. | Select **OK**. Enter a BG to continue in Auto Mode. |
## Getting started | Alarms and alerts in Auto Mode

<table>
<thead>
<tr>
<th>Title and text</th>
<th>Cause</th>
<th>Steps to take</th>
</tr>
</thead>
</table>
| **Auto Mode max delivery** | Auto Mode has been unable to bring your SG down. Enter BG and resume delivery to continue in Auto Mode. | - Select **OK** to clear the alert.  
- Check your BG and enter it into your pump.  
- Follow instructions from your healthcare professional and continue to monitor your BG. |
| **Auto Mode min delivery** | Alerts you when your pump has been delivering insulin at your minimum Auto Mode basal delivery rate for 2 1/2 hours. Your personal minimum Auto Mode basal delivery rate is automatically determined. | Select **OK**. Enter a BG to continue in Auto Mode. |
| **Auto Mode min delivery** | Your pump is suspended, and your predicted SG has been below target for 2 1/2 hours. | - Select **OK** to clear the alert.  
- Check your BG and enter it into your pump.  
- Follow instructions from your healthcare professional and continue to monitor your BG. |
| **Auto Mode off** | Due to an alarm, the Auto Mode setting in the SmartGuard menu has turned off. | Check Auto Mode Readiness status screen for information to re-enter Auto Mode. |

**Note:**  
- The title of this alert appears the same as the previous Auto Mode max delivery alert in the table.  
- If you have suspended your pump, you will have no delivery. However, the alert may still occur.
<table>
<thead>
<tr>
<th>Title and text</th>
<th>Cause</th>
<th>Steps to take</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>BG required</strong></td>
<td>Enter a new BG for Auto Mode.</td>
<td>A new BG entry is required for Auto Mode. Perform fingerstick and enter a new BG.</td>
</tr>
<tr>
<td><strong>Bolus recommended</strong></td>
<td>For xx mg/dL entered, a correction bolus is recommended. Select Bolus to program a bolus.</td>
<td>Auto Mode recommends a correction bolus based on a BG that you have entered. Consider delivering the recommended correction bolus.</td>
</tr>
<tr>
<td><strong>Cal required for Auto Mode</strong></td>
<td>Enter a BG and calibrate sensor for Auto Mode.</td>
<td>A Calibration is required to keep your pump in Auto Mode. Perform a fingerstick. Enter BG and calibrate your sensor.</td>
</tr>
<tr>
<td><strong>High BG xxx mg/dL</strong></td>
<td>A BG that you entered is above 250 mg/dL.</td>
<td>Check infusion set. Check ketones. Monitor BG. Confirm BG. Note: The instructions for a High BG alert in Auto Mode are different than the instructions for a High BG alert in Manual Mode.</td>
</tr>
<tr>
<td><strong>High SG</strong></td>
<td>SG has been high for over 1 hour. Check infusion set. Check ketones. Monitor BG. Followed by Auto Mode exit</td>
<td>SG has been high for over one hour. This value is based on a set glucose threshold and length of time: 300 mg/dL or higher for one hour; 250 mg/dL or higher for three hours. · <strong>High SG</strong> Check infusion set. Check ketones. Monitor BG. · <strong>Auto Mode Exit</strong> Monitor BG and treat as necessary. Enter BG to continue in Auto Mode.</td>
</tr>
<tr>
<td><strong>Low SG xx mg/dL</strong></td>
<td>SG is under 50 mg/dL. Check BG and treat.</td>
<td>SG is under 50 mg/dL. Perform fingerstick and treat as needed. Monitor BG.</td>
</tr>
</tbody>
</table>
Note: You can use the Alert Silence feature in Auto Mode to silence the majority of the alerts, but the following alerts will still sound:

- Auto Mode Exit
- High SG
- Low SG XX mg/dL (50 mg/dL or below)
What to do if Auto Mode is not ready

The **Auto Mode Readiness Table** shows what to do when the wait icon or the question icon appears by items on the Auto Mode Readiness status screen. To open the Auto Mode Readiness status screen, from the main menu, select **Status**, and then select **Auto Mode Readiness**.

### Auto Mode Readiness Table

<table>
<thead>
<tr>
<th>Line</th>
<th>If this appears</th>
<th>Do this</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td><strong>Calibration required</strong></td>
<td>Perform a fingerstick and calibrate your sensor.</td>
</tr>
<tr>
<td></td>
<td><strong>BG required</strong></td>
<td>Perform a fingerstick and enter a new BG. Your BG must be within the 40-400 mg/dL range or your pump will not enter Auto Mode.</td>
</tr>
<tr>
<td></td>
<td><strong>Wait to enter BG...</strong></td>
<td>Wait until the pump prompts you to enter a BG.</td>
</tr>
<tr>
<td></td>
<td><strong>Processing BG...</strong></td>
<td>Wait until the BG has processed.</td>
</tr>
<tr>
<td>2</td>
<td><strong>Auto Mode turned off</strong></td>
<td>Turn on Auto Mode in the SmartGuard Auto Mode screen.</td>
</tr>
<tr>
<td>3</td>
<td><strong>Sensor not ready</strong></td>
<td>a) Check to see if your pump has a transmitter ID entered in Utilities, Device Options. For example, GT61333333F. If your pump does not have a transmitter ID entered, see <strong>Connecting your Pump and Transmitter</strong> in <strong>Getting Started with Continuous Glucose Monitoring</strong>.</td>
</tr>
<tr>
<td>Line</td>
<td>If this appears</td>
<td>Do this</td>
</tr>
<tr>
<td>------</td>
<td>----------------</td>
<td>---------</td>
</tr>
<tr>
<td></td>
<td></td>
<td>b) Check your Home screen. If you see ✹, move your pump and transmitter closer together. The pump will try to find the transmitter signal. If after 30 minutes the pump and transmitter are still not communicating, you will receive a Lost sensor signal alert. 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></td>
<td>Sensor off</td>
<td>Turn on the sensor in the Utilities, Sensor Settings screen.</td>
</tr>
<tr>
<td></td>
<td>Airplane mode on</td>
<td>Turn off the Airplane mode in the Utilities, Airplane Mode screen.</td>
</tr>
<tr>
<td>4</td>
<td>Bolus in progress</td>
<td>Wait until the bolus is complete or stop the bolus yourself before Auto Mode can activate.</td>
</tr>
<tr>
<td>5</td>
<td>Delivery suspended</td>
<td>If insulin delivery is suspended, Auto Mode cannot activate. Treat low BG if necessary as instructed by your healthcare professional.</td>
</tr>
<tr>
<td>6</td>
<td>Carb ratio not set</td>
<td>Enter your Carb Ratio in the Bolus Estimate Setup screen or the Bolus Wizard setup screen.</td>
</tr>
<tr>
<td>7</td>
<td>Temp Basal rate</td>
<td>If a temp basal is currently active, you must wait until it has completed or cancel the temp basal yourself before Auto Mode can activate.</td>
</tr>
<tr>
<td>8</td>
<td>Active insulin updating</td>
<td>If active insulin is currently updating, it may take up to 5 hours to complete. You must wait until this amount is updated.</td>
</tr>
<tr>
<td>9</td>
<td>Auto Mode warming up</td>
<td>Auto Mode is gathering information on your insulin delivery history in order to personalize its automatic delivery of insulin.</td>
</tr>
</tbody>
</table>
## MiniMed 670G insulin pump modes and insulin delivery

<table>
<thead>
<tr>
<th></th>
<th>Manual Mode</th>
<th>Auto Mode Auto Basal delivery</th>
<th>Auto Mode Safe Basal delivery</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Home screen display</strong></td>
<td><img src="image1" alt="Manual Mode Screen" /></td>
<td><img src="image2" alt="Auto Mode Auto Basal delivery Screen" /></td>
<td><img src="image3" alt="Auto Mode Safe Basal delivery Screen" /></td>
</tr>
<tr>
<td><strong>Availability</strong></td>
<td>When Auto Mode is not active.</td>
<td>When Auto Mode is turned on, after a minimum of 48 hour initial Auto Mode warm-up, and a working, calibrated sensor. Requires a BG entry as last step to enter Auto Mode*, and ongoing BG entries and calibrations.</td>
<td>Pump automatically transitions to Safe Basal delivery from Auto Basal delivery when valid SG values are not available, or minimum or maximum Auto Basal delivery limits have been reached.</td>
</tr>
<tr>
<td><strong>Basal insulin delivery</strong></td>
<td>Uses the basal settings programmed in Basal menu to deliver the basal rates.</td>
<td>Uses the SG values and the recent insulin delivery needs to automatically adjust and deliver the basal rates.</td>
<td>Uses the recent insulin delivery to automatically deliver a fixed rate.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>SG values are not used to determine the automatic basal rates.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>You will receive an alert if you need to take an action to return to Auto Basal.**</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Maximum time in Safe Basal is 90 minutes. If the cause is not resolved, the pump will exit to Manual Mode.</td>
</tr>
<tr>
<td>Manual Mode</td>
<td>Auto Mode Auto Basal delivery</td>
<td>Auto Mode Safe Basal delivery</td>
<td></td>
</tr>
<tr>
<td>-------------</td>
<td>-------------------------------</td>
<td>-------------------------------</td>
<td></td>
</tr>
<tr>
<td>Uses all of the Bolus Wizard settings to determine Bolus Wizard recommended dose.</td>
<td>Bolus feature uses Carb ratio and Active insulin time only for bolus recommendations.</td>
<td>Bolus feature uses Carb ratio and Active insulin time only for bolus recommendations.</td>
<td></td>
</tr>
</tbody>
</table>

*For a complete list of Auto Mode entry requirements, see Auto Mode readiness in the Auto Mode chapter of your MiniMed® 670G System User Guide.

**The Auto Mode BG Alert in SmartGuard settings must be turned ON to receive an audible BG entry Required alert. Otherwise, a visible banner only will display. The Auto Mode BG Alert is defaulted to ON.