

GETTING STARTED WITH CONTINUOUS GLUCOSE MONITORING.

GuardianTM Connect with Guardian Sensor 3



GETTING STARTED WITH CONTINUOUS GLUCOSE MONITORING Guardian[™] Connect System

SECTION 1: Introduction to Continuous Glucose Monitoring2
SECTION 2: Sensor Glucose (SG) and Blood Glucose (BG)
SECTION 3: Trends
SECTION 4: Before I begin using my Guardian [™] Connect System
SECTION 5: Setting up my Guardian [™] Connect System
SECTION 6: Inserting and Starting the Sensor
SECTION 7: Personalised Alerts
SECTION 8: Calibration
SECTION 9: Reading the Sensor Display
SECTION 10: Sensor Alerts
SECTION 11: Setting up my care partner account
SECTION 12: Appendix

TRAINING HANDOUTS

Quick Reference Guide to Sensor Alerts	46
The StartRight [™] program	48

SECTION 1: WELCOME TO CONTINUOUS GLUCOSE MONITORING

The first step in using CGM is to understand the items included in your CGM system.





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Your Continuous Glucose Monitoring (CGM) system includes 3 key items:

 A
 Glucose sensor
 The Guardian Sensor 3 measures glucose levels in the body.

 B
 Transmitter*
 The Guardian[™] Connect transmitter connects to the glucose sensor and sends glucose readings to your app.

 C
 Guardian[™] Connect app
 The Guardian[™] Connect app displays glucose readings on your on your own mobile device.

Other items include: One-press Serter, oval tape, transmitter charger and tester

Refer to the Guardian[™] Connect System User Guide for more information.

* The transmitter must be within 6.1 meters (20 feet) of the Guardian[™] Connect app in order to communicate sensor readings.

Before we proceed, let's make sure that you have completed these important steps:

1 Charge your Guardian™ Connect transmitter

Place the transmitter on the grey charger. The green light on the charger will flash. The transmitter is fully charged when the green light is off.

2 Download the Guardian[™] Connect app Download the app directly from your mobile device app store.

3 Turn on Bluetooth[®] wireless technology

Make sure Bluetooth wireless technology is turned on in your mobile device. For Android devices, enable the Do Not Disturb permission for as long as you are using the Guardian[™] Connect App. You must also enable Location Services when you are pairing a new transmitter with the app for the first time. You can turn off Location Services once you have completed the initial pairing process.

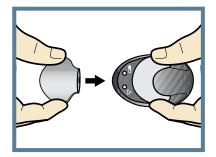
4 Turn on internet connection

Internet must be available on your mobile device in order to access CareLink™ Personal software.

5 Create a CareLink™Personal software account

If you do not have an existing account and need to enroll, or are unsure of your personal login, visit the following website: **www.carelink.minimed.eu**

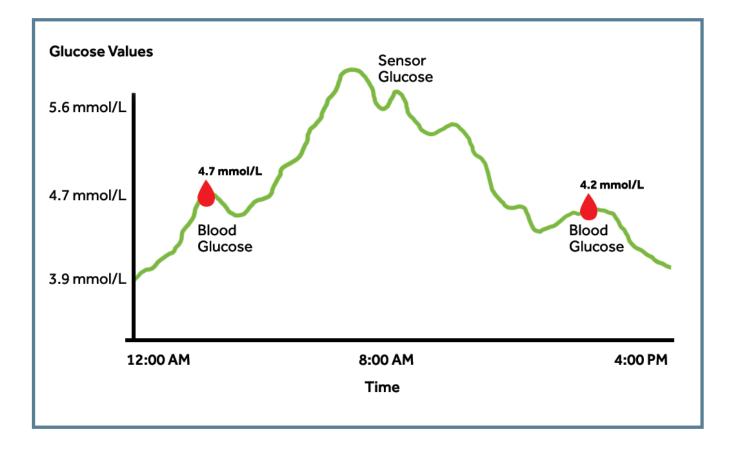
Please note, the CareLink website is outside of Australia.



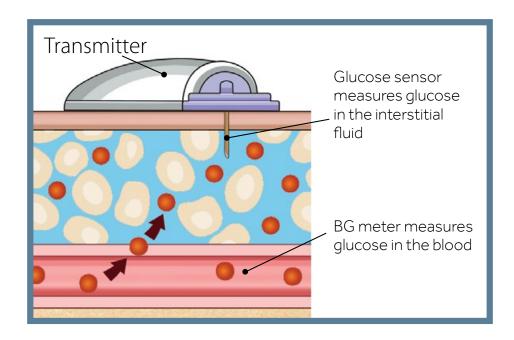


SECTION 2: SENSOR GLUCOSE (SG) AND BLOOD GLUCOSE (BG)

Continuous Glucose Monitoring (CGM) allows you to see what your glucose values are when you are not testing. You will receive up to **288 sensor glucose readings every 24 hours,** filling the gaps between your blood glucose (BG) tests. CGM can alert you to your high and low glucose values and show you the speed and direction that your glucose levels are moving.



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**.



Because your glucose moves between these two places, **your blood glucose meter readings (BG) and sensor glucose readings (SG) will be similar but will rarely match exactly**.

This difference is normal and should be expected.

You can expect to see a larger difference between your BG meter reading and the sensor glucose reading when your glucose levels are rising or falling quickly.

Examples of times when this larger difference may occur:

- After meals or taking a bolus of insulin
- During and after exercise
- When arrows appear on your GuardianTM Connect app screen as explained in the next section



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IMPORTANT: Sensor glucose is not the same as blood glucose. Your SG and BG readings will be similar to one another but will rarely match exactly.

Sensor glucose values should not be used to make diabetes treatment decisions. Always confirm your glucose value with a BG meter first.

If you "feel" that your glucose is high or low, but your sensor glucose does not match your symptoms, always test your blood glucose using your BG meter.

IMPORTANT: If you take medications with paracetamol (acetaminophen) such as Panadol[®], fever reducers, or certain cold medicine, while wearing the sensor, your sensor glucose readings might become falsely raised.

The level of sensor inaccuracy will depend on how much paracetamol is working in your body and will be different for each person.

Always use your blood glucose meter to confirm your glucose levels before you make therapy decisions.



KNOWLEDGE CHECK

Sometimes my SG and BG will not match exactly.

A. True B. False

Write either SG or BG next to each statement below.

SG – Sensor Glucose BG – Blood Glucose

_____ readings are measured with your finger stick meter

_____ readings are measured using CGM

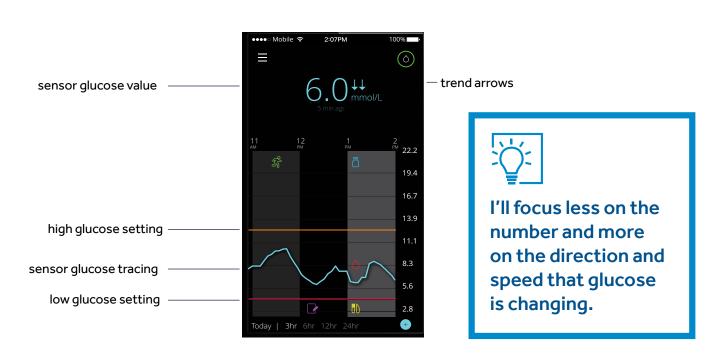
_ is measured in interstitial fluid

SECTION 3: TRENDS

When using CGM, focus on sensor glucose trends. These trends give insight into the direction and the speed that your glucose is changing.

This allows you to:

- focus less on the individual sensor glucose numbers.
- focus more on how quickly your glucose may be rising or falling.



Example of sensor information on the Home Screen

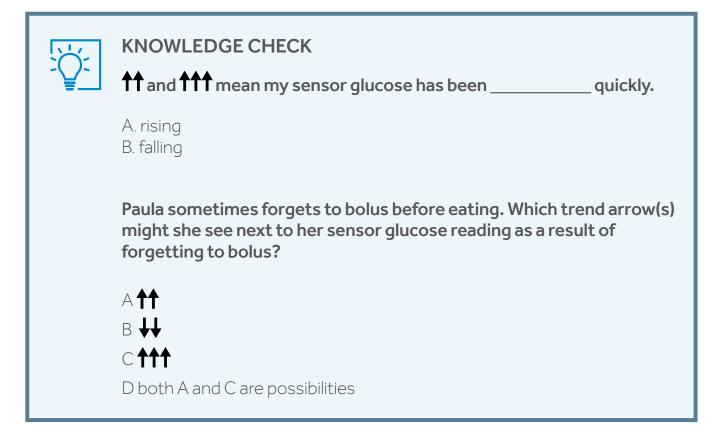
When looking at the sensor information above, you can see that the current glucose reading is 6.0 mmol/L. But also notice:

- the sensor glucose tracing shows the glucose has been trending downward
- the two arrows next to the sensor glucose value tell you the glucose has been dropping
- ↑ or ↑ SG has been changing by 1-2 mmol/L over the last 20 minutes
 ↑↑ or ↓↓ SG has been changing quickly by 2-3 mmol/L over the last 20 minutes
- **↑**↑↑ or **↓↓↓ SG has been changing very quickly** by more than 3 mmol/L over the last 20 minutes





Note: You can expect to see your glucose rising or falling quickly after eating, taking insulin, or when exercising.



SECTION 2: BEFORE I BEGIN USING MY GUARDIAN CONNECT SYSTEM

Setting Up My Mobile Device to Use the Guardian Connect App

The Guardian Connect app can send you alerts when your glucose is trending above or below levels that you set. But because it is just like other apps on your mobile device, there are a few things you need to do so you will always get the alerts you want.

- 1 Make sure you know how these mobile device settings work: silent, vibrate, and Do Not Disturb.
- 2 Make sure that notifications are ON for your Guardian Connect app. You will turn on notifications during your app setup.
- 3 Make sure the Bluetooth[®] feature in your mobile device is always ON.
- ⁴ If you restart your mobile device (for example, after it's powered off or when the battery dies and is recharged), always open your Guardian Connect app. It will not reopen automatically.
- ⁵ The Guardian Connect app runs in the background so it can send alerts. Don't force close your app unless you want to stop receiving the alerts.
- 6 Keep your mobile device charged.
- 7 Keep your mobile device and transmitter within 20 feet of each other. Otherwise, the system won't be able to send glucose information.
- ⁸ Set your mobile device's ringer to a level that you can hear or feel (vibrate).

Please check your mobile device's user manual for more information on adjusting your mobile device's settings.



WARNINGS: If you close the app you will not receive any sensor glucose information or alerts. The app needs to be open or running in the background in order for you to get sensor glucose information.

Every now and then you should check that your app is still open and running. If you're running a few apps at once, it's possible that your Guardian Connect app might close. You may see a "Lost Communication" notification if it closes.

If your mobile device shuts off and turns back on, your app will not reopen on its own. Open the app again after restarting your mobile device in order to avoid missing sensor glucose information and alerts.



Don't assume my app is always open and able to give alerts. Must check app is still running.



WARNINGS: You won't receive any sensor glucose alerts if Bluetooth[®] is turned off in your mobile device. If you turn on Airplane mode, make sure to turn on Bluetooth[®]. You may miss important sensor information and alerts if your mobile device screen or speakers are damaged

SECTION 5: SETTING UP MY GUARDIAN[™] CONNECT SYSTEM

Now that we have covered the basics of how CGM works let's set up your Guardian[™] Connect app on your mobile device.



Install the application:

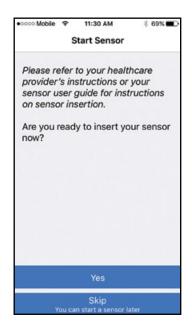
To download your Guardian[™] Connect app:

 Search for "Guardian[™] Connect" in your mobile device's app store. Then follow the steps to install it.

To open the application:

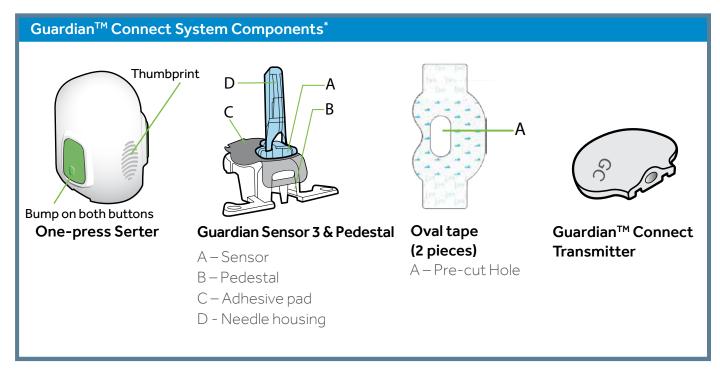
- 2. Tap 🧟 on your mobile device.
- Follow the steps on the screen to set up your Guardian[™] Connect app.
- When you have reached the Start Sensor screen, go to the next page of this Getting Started Guide for Inserting and Starting your Sensor.





SECTION 6: INSERTING AND STARTING THE SENSOR

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



*For more details on the Guardian Sensor 3 components consult the User Guides

One-press Serter is required in order to insert the sensor properly and safely

Guardian Sensor 3 is individually packaged and comes attached to a plastic pedestal which is necessary

for proper loading into the serter

Oval tape is required to keep the sensor securely in place.

Guardian[™] Connect transmitter is connected after the sensor is inserted and covered with the oval tape.

Selecting My Insertion Site

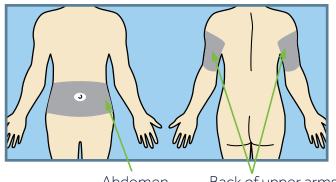
Choose a site that has enough fat on your abdomen or back of your upper arms. The image shows the shaded areas of the abdomen and back of the upper arms that you can use.**

Note: You may need assistance with inserting the sensor into the back of your upper arm. Some users may find it difficult to insert the sensor in their arm by themselves.

Insert your sensor at least:

- 2 inches (5 centimeters) from your navel
- 1 inch (2.5 centimeters) from your insulin
- 1 inch (2.5 centimeters) from any manual insulin injection site

** Glucose sensors were inserted in the shaded areas of the abdomen and back of the upper arms in clinical trials.



Abdomen

Back of upper arms

For best sensor glucose performance, <u>avoid</u> sites:

- Where your clothing may rub or be too tight (such as your beltline)
- Where your body naturally bends a lot as this may cause the sensor to pull out
- That are scarred, have hardened tissue or stretch marks

Clean the site you chose with an alcohol swab and allow the

• Where there is a lot of movement or rubbing

Preparing My Site

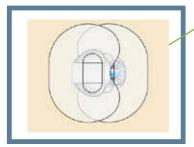
• Wash your hands with soap and water.

alcohol to dry. Do not use IV prep.





Example of Guardian Sensor 3 after insertion is complete



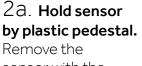
Oval tape covering both the sensor and the skin

Inserting Your Sensor



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1. Open the sensor package. Pull the corner of the paper covering to open the sensor package.



sensor with the attached pedestal by holding the pedestal only. Place the sensor and pedestal on a clean, flat surface (a table).





Incorrect

2b. Tuck adhesive tab. Make sure that the sensor's adhesive tab is tucked under the sensor connector and snaps.



Correct

Incorrect



3. Load sensor into serter. Grip serter exactly as shown with thumb placed on thumbprint on serter. Do not hold green buttons.

Push serter down onto pedestal until base of serter sits flat on table and you hear a click.



Note: The thumbprint on the serter can be used for either left handed or right-handed insertion.

Inserting your Sensor, cont'd

Fingers are NOT holding the green buttons.



4. Detach serter from pedestal.

To detach serter from pedestal, grip serter as shown. with thumb on thumbprint on serter. With the other hand, place two fingers on pedestal feet and slowly pull serter straight up. **NOTE:** Make sure that pedestal is firmly on the table before pulling serter away.

Warning: Do not detach the pedestal from the serter in mid-air as this may damage the sensor. 5a. Place serter on body. Hold the serter flat and steady against the cleaned site that you chose. Don't push the serter into your skin. 5

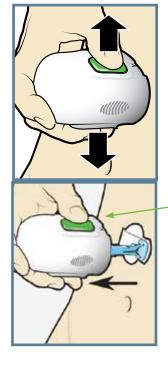
5b. Insert sensor. Press and release the **bump** on both green buttons at the same time. Don't pull the serter away from your body just yet.



NOTE: Failing to hold serter securely flat against the body may allow serter to spring back after pressing the buttons and result in improper insertion of the sensor.



NOTE: The sensor remains inside the serter after removing the pedestal. The arrow on each side of the serter indicates location of the sensor needle.

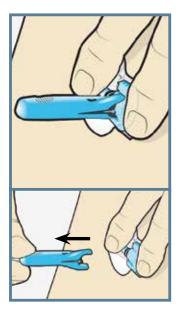


5C. Hold serter against body. Keep holding the serter against your body for at least five seconds to let the adhesive stick to your skin.

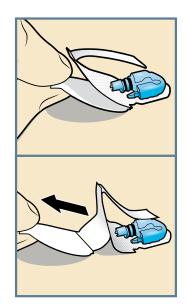
Do not press buttons

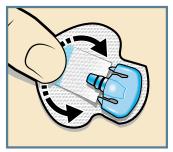
5d. Remove serter from body. Slowly pull the serter away from your skin, making sure the buttons are not pressed.

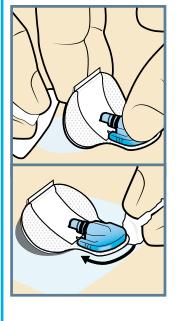
Inserting My Sensor, cont'd



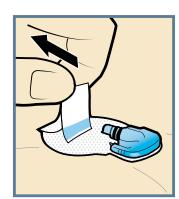
6. Remove needle housing. Gently holdsensor base against skin at sensor connector and opposite end of sensor base. With the other hand, hold needle housing **at the top** and slowly pull straight out, away from sensor. Dispose needle housing in sharps container.



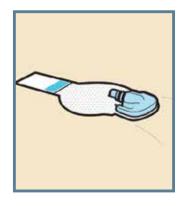




NOTE: The Guardian Sensor 3 adhesive sticks better when you press it to the skin well. Make sure to press it to your skin well in order for the sensor to stay inserted for the whole 7 days that you wear it.

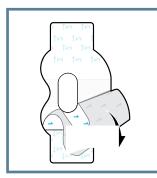




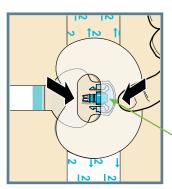


8b. Straighten adhesive tab.

Straighten the adhesive tab so that it lies flat against your skin, but don't remove the paper liner yet. Before you connect the Guardian[™] Connect transmitter to your Guardian Sensor 3 it is very important that you properly secure the sensor against your skin using the sensor oval tape.

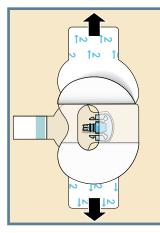


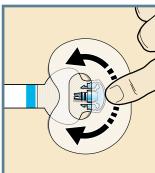
1. Remove liner 1 from oval tape.



2. Apply the tape as shown and press down firmly.

Wide part of tape covers half of sensor base.





3. Remove liner 2 from each side.

 $4.\,$ Smooth the tape.



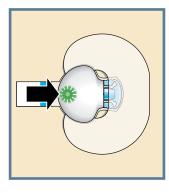
WARNING: Checking Proper Tape Application

It is important to check your sensor site periodica Ily to make sure the sensor is still secure and has not been pulled out.

If the sensor has been pulled out, do not try to push it back into place.

A new sensor may need to be inserted.

Connecting Your Transmitter



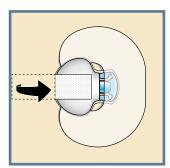
1. Connect the trans mitter to your sensor. With one

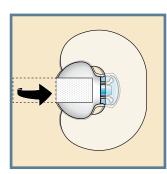
hand, hold the sensor in place. With the other hand, connect the transmitter to the sensor You will hear a faint "click" indicating the two parts are connected.

Check for a green light to flash on the transmitter.



IMPORTANT: If you don't see a green light flashing on your transmitter after you connect it to your sensor, then disconnect the transmitter and plug it back into the charger to make sure that it is fully charged. Then try again and reconnect your transmitter to your sensor.





2. Stick the adhesive tab on the transmitter. Do not pull the tab too tightly when you stick it on the transmitter. Otherwise, the transmitter may lift

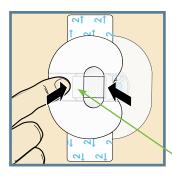
3. **Press TAB** Press the adhesive onto the transmitter.

from the skin.

Applying Second Piece of Oval Tape

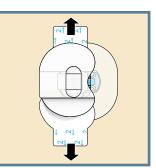


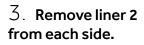
1. To apply the 2nd oval tape, remove liner 1.

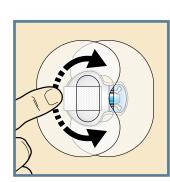


2. Apply the 2nd tape in the opposite direction to the first tape and place it on the transmitter. Press down firmly.

Wide part of tape covers end of transmitter and skin.







4. Smooth the tape. Note: Check your sensor site regularly. Apply other off-theshelf tape if your sensor and transmitter aren't secure.

Starting My Sensor

Now that you have inserted and taped your sensor, return to your Guardian Connect app on your mobile device to complete the sensor start up. Tap **Start New Sensor.**

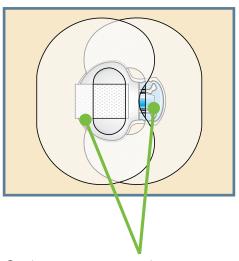
	* 1100.00	1.00.00
¢ there.	Start Sensor	
1. Follow your sen	instructions inc cor to insert the	sensor.
2. Conne	ct transmitter to	i anneor,
3. Tap St connects	art New Sensor xl.	when

NOTE: When your transmitter is connected to your sensor they are water-tight in 8 feet (2.4 meters) of water for up to 30 minutes. You can shower and swim without removing them.

Removing Sensor in Seven Days

- 1. Peel off tape.
- Disconnect transmitter by pinching side arms of sensor. Then pull transmitter away.
- 3. Plug transmitter into charger.
- 4. Peel off and throw away sensor.

Check that the Oval Tape was Applied Properly



Oval tape is covering the sensor, skin around sensor, and back of transmitter.

Correct



NOTE: The oval tape is key to your success with the sensor. It's very important to apply the oval tape because your sensor is small and flexible. The oval tape will help prevent your body's motion from pulling it out.



KNOWLEDGE CHECK

It is necessary to put your thumb on the thumbprint marking on the serter in order to:

- A. Avoid accidentally pressing the green buttons before you are ready to insert the sensor.
- B. To insert the sensor into the skin.
- C. I don't know.

Taping the sensor for extra security is optional.

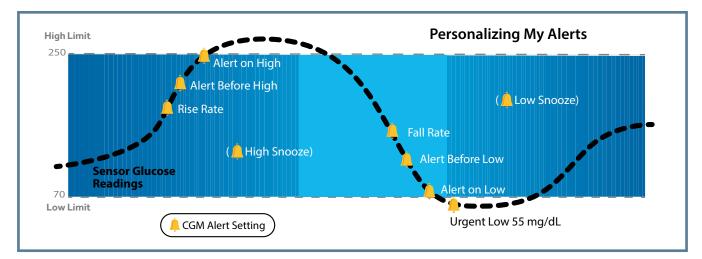
A. True B. False

SECTION 7: PERSONALISED ALERTS

Completing Setup of My Guardian Connect System

The Guardian Connect app will give you **sensor glucose alerts** to tell you when your glucose is high or low. It will also give you **system status alerts.**

- Your CGM alert settings are most beneficial when they are personalised for your needs
- Your healthcare professional will work with you to determine your initial settings. You can determine these initial settings in cosultation with your healthcare professional and note them on page 50.



Sensor Glucose Alerts

Notifications

Notifications for your app must be turned ON in order for you to receive any alerts. When you are setting up your app for the first time, it will ask you to allow the notifications. You must NOT turn off the Notifications in your mobile device settings. If you turn off Notifications by mistake, Ω will appear on the app's home screen. Tap Ω and then, tap the message.

WARNING: You must allow notifications for your Guardian[™] Connect app during setup. Do not turn off notifications for the app in your mobile device settings. If you turn off notifications, you will not receive any alerts.

Audio Override

The app has an override feature that allows your app alerts to sound at maximum volume even if your mobile device's ringer volume is set to Do Not Disturb, low volume, or silent (vibrate).

<u>The audio override feature is already turned On</u> for all app alerts when you first start using your app. But you can choose which alerts (Low Glucose, High Glucose, and/or System Status Alerts) will override the ringer volume. You can change this setting in the app menu if you prefer not to override your mobile device's ringer volume.

elecco Mobile < Back

Override

OPTIONS Low Alerts

High Alerts

Status Alerts

Turned On

\$ 69%

Save

11:30 AM

Audio

Overrides ringer setting to always play a

tone, even when your ringer is silenced.

Note: the Urgent Low Alert will always override your ringer, regardless of this setting.

To Change Your Audio Override Setting:

- 1. Tap 🗐 on your app home screen. Tap Alert Settings. Then tap **Audio**.
- 2. Switch **Override** to On or Off.
- Switch your Low, High, and/or Status Alerts to On or Off.
- 4. At the top of the screen, tap Save.

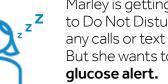


WARNING: If you turn off your audio override, the volume for your app alerts will be the same as your mobile device's ringer volume. You might miss important app alerts when your mobile device's volume is set to Do Not Disturb, silent (vibrate), or low volume. Make sure to set your mobile device's volume high enough so that you can hear the alerts.

HOW DOES THE AUDIO OVERRIDE WORK?

Your app settings	Your mobile device's volume	App alerts you will get
Audio Override ON	Ringer is ON Ringer is OFF (silent or vibrate) Do Not Disturb is ON	Sound at maximum volume
Audio Override OFF	Ringer is ON	Same sound as mobile device's ringer volume
\bigcirc	Ringer is OFF (silent or vibrate)	No sound (and will vibrate if on)
	Do Not Disturb is ON	No sound or vibrate

Using the Audio Override...



Marley is getting ready to sleep. She sets her phone to Do Not Disturb because she doesn't want to hear any calls or text messages until the next morning. But she wants to wake up if she gets a **low sensor**

Which alert should she set to override her phone's Do Not Disturb?

Answer: Audio Override on tor Low Alerts

11:30 AM X 09% ··· Mobile ·· · C Back Audio Save Overrides ringer setting to always play a tone, even when your ringer is silenced.



Urgent Low Alert

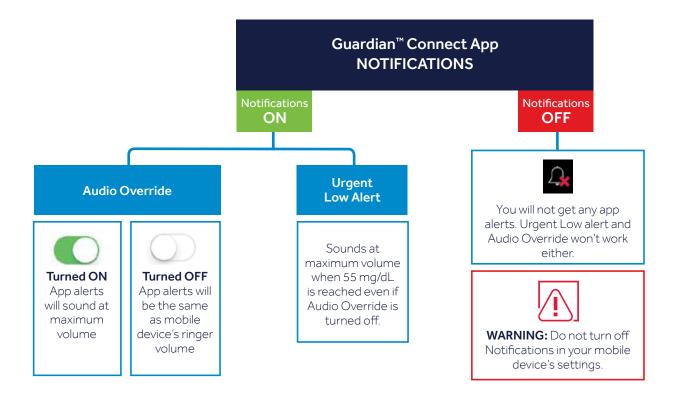
There is one exception. You will still get an **Urgent Low Sensor Glucose Alert** that sounds when your sensor glucose value reaches or falls below 55 mg/dL even if the audio override is turned off. But remember, notifications must be on.

PERSONALISED ALERTS

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WARNING: Notifications must be turned on for the Guardian Connect app in order for the Audio Override to work and to hear the Urgent Low alert.

This graphic shows whether you will get your app alerts when Notifications are turned On or Off:



Setting Up Alerts

When you have reached the **Sensor Alerts** screen, set your alerts using your healthcare professional's recommendations.

Then write down your alert settings on the **CGM Settings Form** on page 25.

- Your CGM alert settings will work best if they are personalised for your needs.
- Your healthcare professional will work with you to decide your initial settings and help you adjust them.



HIGH GLUCOSE SETTINGS

ALERT SETTING	WHAT IT MEANS
High Limit	The sensor glucose value that your healthcare provider decides is high for you. This is the value that the other high settings are based on.
Alert on High	Your sensor glucose value has reached or risen above your high limit.
Alert Before High	Your sensor glucose value is predicted to reach your programmed high limit.
Time Before High	Your app can notify you from 10 minutes up to 1 hour before your sensor glucose value is expected to reach your high limit.
Rise Alert	Your sensor glucose has been rising rapidly. Shown by \uparrow , $\uparrow\uparrow$, or $\uparrow\uparrow\uparrow$
Snooze Time	It's the period that you don't want to be reminded that you have a high alert. You can set this time for up to 3 hours. You won't get the same high alert again during this snooze time even if your condition doesn't improve.

Snoozing an alert...

Stephen's doctor instructed him to turn on **Alert on High**. If his sensor glucose reaches his high limit of 200 mg/dL, he checks his BG and takes insulin if he needs it.

 \bigcirc

If he doesn't want to be alerted again for 2 hours that his SG is still high, what alert setting should he program?

Answer: Snooze Time at 2 hours

ALERT SETTING	ALERT SHOWN ON SCREEN	WHAT DOES IT MEAN
LOW SETTINGS		
Low Limit	No alert is shown. The low limit is the value that the other low settings are based on.	The sensor glucose value that your healthcare provider determines is below the sensor glucose range appropriate for you.
Alert on Low	Low Sensor Glucose	Your sensor glucose value has reached or fallen below your low limit.
Alert Before Low	Low Predicted	Your sensor glucose value is predicted to reach your programmed low limit.
Time Before Low	N/A	You can be notified from 10 minutes up to 1 hour before your sensor glucose value is predicted to reach your programmed low limit.
Fall Alert	Fall Alert	Your sensor glucose has been falling rapidly. Indicated by ↓, ↓↓, or ↓↓↓.
Snooze Time	N/A	You can be reminded when any of the low alert situations still exist after 5 minutes up to 1 hour has passed. Applies to all low settings.

WARNING: Notifications must be turned ON for your app in order to get any app alerts. Otherwise, you won't get any alerts including the Urgent Low alert even if the Audio Override is turned on.



WARNING: If you miss alerts from your Guardian[™] Connect app, you may not know if you have low or high glucose levels. Follow the instructions and safety warnings in the Guardian[™] Connect system user guide to make sure you receive alerts.



KNOWLEDGE CHECK

Marley is getting ready to go to sleep. She sets her phone to silent because she doesn't want to hear phone calls or texts, but she does want to hear her Guardian Connect app alerts. What should she do?

- A. Check that the Audio Override is ON.
- B. Check that the Audio Override is OFF.
- C. I'm not sure.



KNOWLEDGE CHECK

Stephen is going to a class. He doesn't want to hear any phone calls, texts, or Guardian Connect app alerts. He wants all his phone calls, texts, and app alerts to be silent. What should he do?

A. Turn the phone's ringer to silent. Turn ON the Audio Override.

B. Turn the phone's ringer to silent. Turn OFF the Audio Override.

C. I don't know.

Stephen is going home now that the class has ended. He wants to hear his Guardian Connect app alerts even if his phone calls and texts stay silent. What should he do?

A. Keep the phone's ringer to silent. Turn ON Audio Override.

B. Turn ON phone's ringer. Turn OFF Audio Override.

C. I have no idea.

Marley has High Alerts set up. But she turns OFF Notifications for her Guardian Connect app in her phone's Settings. Now what would happen if she has a high glucose?

- A. She would get the high glucose alert.
- B. She would NOT get the high glucose alert.
- C. l'm not sure.

Marley glances at her Guardian Connect app and sees that her sensor glucose is high, but she didn't get an alert. What should she do?

A. Check that Notifications are ON for her app in the phone's Settings.

- B. Turn OFF Audio Override
- C. I don't know.

Stephen is going to a loud music festival. What should he do to stay on top of his diabetes?

A. Do nothing different.

- B. Check his Guardian Connect app more often as he won't be able to hear the alerts.
- C. l'm not sure.

Marley is on a flight to New York. The flight attendant instructs everyone to put their phones in Airplane Mode. What should she do to stay on top of her diabetes?

A. Turn on Airplane Mode and then turn on Bluetooth[®].

B. Don't turn on Bluetooth[®] while in Airplane Mode, but know that she won't get any glucose alerts. Check with a blood glucose meter instead.

C. Either A or B

Guardian[™] Connect - Continuous Glucose Monitoring Settings Form

Record your CGM settings here for future reference.

HIGH SETTING	LOW SETTING
High Limit	Low Limit
mmol/L	mmol/L
Alert Before High	Alert Before Low
ONOFF	ONOFF
Time Before High	Time Before Low
MinutesHour	MinutesHour
Alert on High	Alert on Low
ONOFF	ONOFF
Rise Alert	Fall Alert
	ŧŧŧ
Snooze Time	Snooze Time
MinutesHour	MinutesHour
Audio Override	Audio Override
ONOFF	ONOFF



My settings may need to be adjusted after I start using CGM

SECTION 8: CALIBRATION

Calibration is necessary to receive sensor glucose readings and for optimal CGM performance. To calibrate, you must use a fingerstick blood sample to test your BG on your meter and then enter that value into your GuardianTM Connect app. CGM does not eliminate the need for BG meter tests.

If the system is not calibrated regularly, then you will not receive sensor glucose readings until there is a calibration.

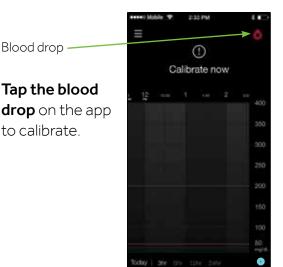
You will need to calibrate your sensor after it is inserted:

- About two hours after you connect your transmitter to your sensor and start the Warm up period You will receive a Calibrate now alert when it is ready for its first calibration
- Again within six hours from the first calibration You will only need to do this on the day you insert the sensor.
- Again every 12 hours from your last calibration
- Again if the system asks you to calibrate more often to improve the sensor's performance.

Calibration Checklist:

- 🗹 Wash your hands before checking your BG
- Calibrate at least two times a day or when you get a **Calibrate now** alert 3 4 times a day is best.
- Calibrate before meals and when there are no arrows showing on your app
- Enter the BG into the app right away if it is a good time to calibrate
- Don't use an old BG reading
- ☑ Don't reuse BG readings from earlier calibrations
- Wait at least 15 minutes in between calibrations

Calibration Schedule Day 1		
Sensor inserted:	h	
l will calibrate:		
2 hours after sensor inserte	d:h	
Within the next 6 hours:	h	
At bedtime:	h	
Day 2 to Day 6		
l will calibrate:		
When I wake up:	h	
Again within 12 hours:	h	
Again during the day:	h	
At bedtime:	h	

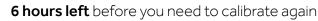


Calibrating the Sensor

Calibration timer

On the Home screen the calibration icon tells you the amount of time left until your next calibration is due:

12 hours left before the next calibration is due





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3 hours are remaining



1 hour is remaining

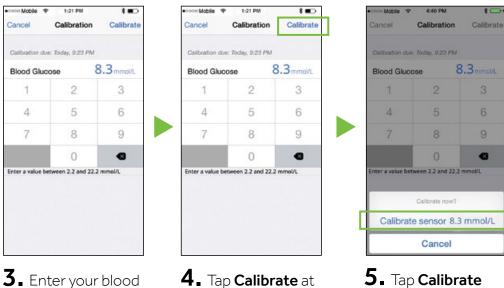
Calibration is due now. Calibrate using your blood glucose meter

Calibration is not permitted yet



To calibrate:

- **1.** Test your blood glucose on your meter.
- **2.** Tap the **blood drop** on the top right corner of the Home Screen.



3. Enter your blood glucose reading (2.2 mmol/L to 22.2 mmol/L) using the keypad.

4. Tap **Calibrate** at the top right corner of the screen.

5. Tap Calibrate sensor -- mmol/L.

The application returns to the home screen. A gappears on the graph at the time it was entered. Your sensor glucose reading will appear in about 5 minutes after the calibration is entered.



IMPORTANT: If you notice a large difference between your BG meter reading and your sensor glucose readings, wash your hands and do another BG check to make sure it is correct. Check the sensor site to ensure that the sensor tape is still holding the sensor in place. If there is still a large difference in glucose readings, you may need to do another calibration. Wait 15 minutes before you try to calibrate again.

Calibration Reminder

You can use the Calibration Reminder to give you notice before the next calibration is necessary. The Calibration Reminder can be set from five minutes to one hour from the Alert Settings menu option.

Using a Calibration Reminder



Lina calibrates at 7:00 when she wakes up. Her next calibration would be due 12 hours later at 19:00. Her calibration reminder is set to 1 hour so she would be reminded at 18:00 that a calibration will be needed.



KNOWLEDGE CHECK

What might happen if a calibration is required and it's not entered into your app?

- A SG readings will not display
- B I will continue to get the SG data on my app
- C I may not get important alerts such as Low Sensor Glucose
- D Both A and C

SECTION 9: READING THE SENSOR DISPLAY

Viewing the Main Menu

Press on the top left corner of the Home Screen. You will now see these three icons in the system status bar.

A Sensor Life Icon

After you insert a new sensor you will see how many days of sensor use are left. The sensor icon will change with each day that passes.

B Transmitter Battery Icon

When the transmitter is fully charged, the battery icon will appear as solid green. The icon will change as the battery life is used.



C Transmitter Communication Icon



The transmitter is paired and communicating with the application.



A communication error, the transmitter is not paired, or Bluetooth is off on your mobile device.

Note: When the Transmitter Battery is depleted, Transmitter is not paired, or the sensor has one day or less before it expires, then these icons will appear in both the Main Menu and at the top of the Home Screen.

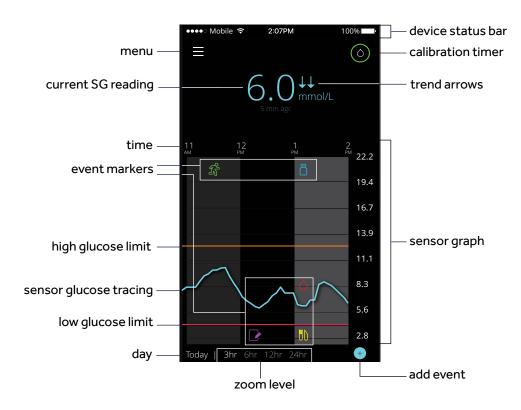






Viewing My Home Screen

Once the sensor has started giving you sensor glucose readings, the Home screen will display:



Current Sensor Glucose Value

The most current sensor reading is updated every 5 minutes. The sensor reads glucose values from 2.2 mmol/L to 22.2 mmol/L.

Viewing the Sensor Graph

Swipe center of graph, right and left: to view past sensor information

Double tap screen: to return to current glucose.

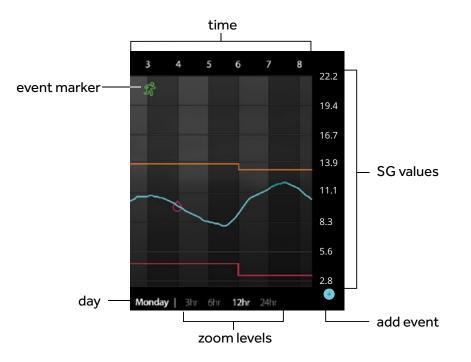
Slide your finger on SG tracing: to view more details, SG reading, time, date.

Touch anywhere on graph: to view more details, event information.

Additional Sensor Graphs

To view 3-hour, 6-hour, 12-hour, and 24-hour glucose graphs:

- tap graph twice or
- select graph hours at bottom of Home screen.



Example of an "info box" for Insulin



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Entering Event Markers

Capture other information right on your app:



Blood Glucose: My BG meter readings. These can be used both to calibrate the sensor and simply to log your BG readings without calibrating the system.



Insulin: The type and amount of insulin you use.



Meal: The amount of carbohydrates you eat or drink.



Exercise: The intensity and duration of exercise you do.

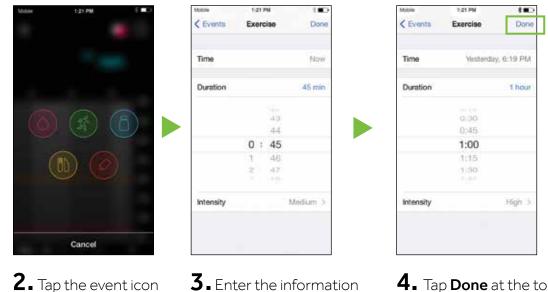


Other: This event can be used to enter any other information about your diabetes management. For example, you can record when you take other medications, when you feel ill, or when you are under stress.



To enter an event marker

1. Tap **O** on the bottom right corner of your home screen.



2. Tap the event icon you want.

- **3**. Enter the information for your event.
- **4.** Tap **Done** at the top of the screen when finished.

Your app returns to the home screen and the event icon shows on the graph.



Note: A BG reading entered as an event can be used to calibrate the sensor.

- 1. ter BG reading
- 2. Select Done
- 3. When Calibrate now? appears, select

Calibrate Sensor -- mmol/L if you are sure you want to calibrate.



SECTION 10: SENSOR ALERTS

Receiving alerts is a part of wearing CGM. We discussed some of these alerts earlier in Section 3: Personalised Alerts. There are other alerts that you will receive as well.

When a sensor alert occurs:

- High alerts will appear as orange,
- Low alerts will be red,
- and all **other alerts** (such as Calibrate now) will be **blue**.

Follow the instructions on the screen to address the alert.

Clear alert: Drag bottom of alert screen upwards.

Snooze alert: Drag bottom of alert screen downwards. Then tap or adjust the snooze time.



WARNING: If you snooze a sensor glucose alert, you won't get the alert again during the length of the snooze time that you have set, even if your sensor glucose level doesn't improve. Check your glucose with your BG meter while you're in the snooze period.

Sensor Alerts

Example of the **Low Sensor Glucose** alert message:

Note: If your mobile device has returned to the locked screen, alerts will also appear on this screen. **Do not turn off notifications or enable the Do Not Disturb setting on your mobile device. Doing so may result in missing important alerts requiring your immediate attention.**



WARNING: If your headphones are plugged into your mobile device and you are not using them, you may not hear important alerts that require you to take action.



WARNING: Notifications must be turned ON for your app in order to get any app alerts. Otherwise, you won't get any alerts including the Urgent Low alert even if the Audio Override is turned on.

See Quick Reference Guides section on page 46-47 of this guide for other alerts.



What if I get a Lost Communication Alert?

Lost Communication means your app isn't communicating with your transmitter.

The causes include:

- Your app isn't running
- An issue communicating to your mobile device
- An issue with your sensor

Because you may not know what is causing the problem, it is best to follow these steps:

- 1 Open your app to make sure it's still running properly. It may take a few minutes to communicate again.
- 2 Bring your mobile device closer to your transmitter and sensor
- 3 Move away from other equipment (for example, cordless phone or WIFI router) that can cause radio frequency interference
- 4 If that doesn't work, then inspect your transmitter and sensor:
 - Reconnect your transmitter to your sensor ONLY if you see that they have disconnected. Note: Doing this will start the warm-up time again which may last up to two hours.
 - Insert a new sensor in a different spot on your body if you see that your current sensor has pulled out from your skin.

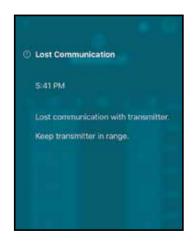
Lost Communication Alert



Hanna has a few different apps running on her phone including a game she is playing. Then she sees a **Lost Communication** alert from her Guardian Connect app. This means her app isn't giving her any sensor information.

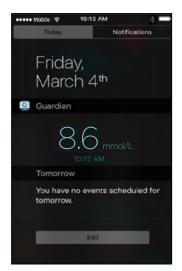
What should she do?

- Open her app to make sure it's running properly. It may take a few minutes to start working again.
 - She should also check periodically to see if the app is still running in the background.
- If her transmitter is still not communicating with her app, then she should follow the other steps above. If that still doesn't work, then she should call the Helpline to assist her.



Note: If your mobile device has returned to the locked screen, alerts will also appear on this screen.

Your app must be OPEN or running in the background at all times in order for you to get sensor glucose information and alerts.



KEY REMINDERS:

l will:



check my BG with my meter to confirm my SG before making treatment decisions (for example, dosing insulin before a meal or taking carbohydrates to treat a low glucose).



calibrate my sensor at least twice a day or more often if the system asks me to. 3 - 4 calibrations a day is best.



avoid closing my Guardian Connect app so that I can continue getting sensor glucose alerts.



check my Guardian Connect app regularly to make sure it is still running.



keep Bluetooth[®] on so that my transmitter communicates with my app.



avoid turning off notifications for my app. Otherwise, I won't get any app alerts.



keep Audio Override turned on to hear my app alerts.



keep my mobile device charged so that I can always get sensor alerts.



select New Sensor (not Reconnect Sensor) each time l insert a new sensor.



charge my transmitter after seven days of wearing it.

SECTION 11: SETTING UP MY CARE PARTNER ACCOUNT

Creating My Care Partner's Account and Sharing My Information

Guardian[™] Connect allows you to sync your data to CareLink[™] Personal software automatically. This automated sync sends data displayed in your GuardianConnect app to the CareLink[™] Connect tab of the CareLink[™] Personal website approximately every five minutes. This feature also automatically sends pump and sensor history information to create your CareLinkTM Personal report every 24 hours.



Reminder: Have your healthcare professional (HCP) view your information at the office or bring a report with you to your next visit.

You can invite a family member, friend, or other care partner to view your CGM information on the CareLink[™] Personal website by selecting **Manage Care Partners.**

Press on the top left corner of the Home Screen.
 Tap on the link Sync to CareLink.



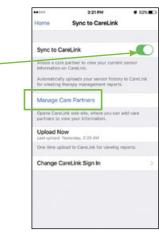
2) Be sure Sync to Carelink is toggled ON. Tap on Manage Care Partners.

Turned On

Turned On

Attendical partners partners

Turned On



3) Set a nickname for yourself. When your care partner receives a text message with an alert your nickname will appear in the message. Then tap Save.

4) Tap **Add Care Partner.** Fill in the required information for your care partner (first and last name).

You can add up to 5 care partners to your CareLink Personal account. Create a unique username for your care partner and temporary password, **then tap Save.**

This temporary password is valid for 24 hours. Give this username and password to your care partner.





Back to Care Partner Management Add Care Partner Enter the care partner's first and last name Patient Mom Enter the username and password this care partner will use to sign in and view your information mommabe 4 bit subsharumeric characters and undersones, no specie love1234 Mommun K characters, case sensible Paseword eightes in 24 hours	0000 ¥	10:36 AM	81% 🔳)
Enter the care partner's first and last name Patient Mom Enter the username and password this care partner will use to sign in and view your information mommabee 4 to 16 aphanumeric characters and udversores, to space love1234 Winnum 8 characters, case sensitive	Back to Car	e Partner Manag	ement
name Patient Patient Mom Enter the username and password this care partner will use to sign in and view your information mommabee 4 to 16 aphanumeric characters and underspores, no spaces love1234 Monnum 8 characters, case sensitive	Add Car	re Partner	
Mom Enter the username and password this care partner will use to sign in and view your information mommabee 4 b 16 aptharumeric characters and undersome, to spaces love1234 Wonnum 8 characters, case sensitive		re partner's firs	t and last
Enter the username and password this care partner will use to sign in and view your information mommabee 4 to 16 apharumeric characters and undersories, no spaces love1234 Minnum 8 characters, case sensitive	Patient		
this care partner will use to sign in and view your information mommabee 4 to 16 alphanumeric characters and underscore, no spaces love1234 Winnum 8 characters, case sensitive	Mom		
4 to 16 alphanumeric characters and underscores, no spaces love1234 Minimum 8 characters, case sensitive	this care pa	rtner will use to	
Iove1234 Minimum 8 characters, case sensitive	mommabee		
Minimum 8 characters, case sensitive			
	love1234		
			•
Save	1	Save	

Set Up and Access to the Care Partner Account

- **1.** Next, your care partner will need to:
 - go to the CareLinkTM Personal website **(www.carelink.minimed.eu)** using a web browser on his/her own mobile device or computer.
 - login with the username and temporary password that you created.
 - check all boxes in Terms of Use. Tap **Accept**
 - change the temporary password to a new one. Tap Next.
- 2. Your care partner will fill out the rest of the information on the My Info screen.

Then tap Save.



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Please enter a new password.

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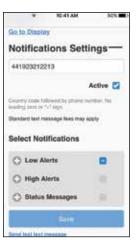
This will replace the temporary password you just signed in with

Confirm Password

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801.00

3. Your care partner must enter his/her mobile number and check the **Active** box in order to receive text message alerts. **Tap Save when complete.**



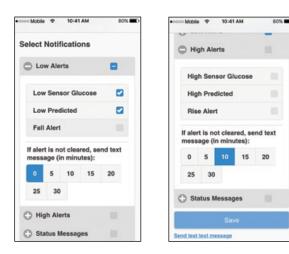
Notifications Settings Screen

Selecting Low Alerts and High Alerts

Your care partner can select and choose what alerts and alarms from GuardianTM Connect they want to receive. If the alert has not been cleared in the GuardianTM Connect app, a text message will be sent to the care partner based on the 0-30 minute delay set in Select Notifications. If your care partner does not want a delay in alerts, select 0. Once all desired notifications have been made, **Tap save.**

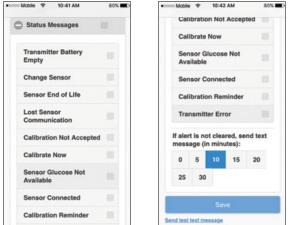


Note: The care partner may only receive alerts and alarms that have been set by the patient in the Guardian[™] Connect app regardless of the Notification selected. For example, if the patient does not set High Alerts in the Guardian[™] Connect app, the care partner will not receive High Alert messages even if they select it in Select Notifications on the CareLink[™] Personal website.



Status Messages

The care partner can also select to receive text messaging on sensor alarms from the GuardianTM Connect app. If the alarm has not been cleared in the GuardianTM Connect app, a text message will be sent to the care partner based on the 0-30 minute delay set in Select Notifications. If your care partner does not want a delay in alerts, select 0. Once all desired notifications have been selected, **Tap save.**



SECTION 12: APPENDIX

Charging and Storing the Transmitter

Charge your transmitter before each use. When the transmitter is charging, a green light will flash on the charger. This green light will turn off when the transmitter is completely charged. You will need to charge the transmitter after each sensor use A fully charged transmitter can be used for a maximum of six days without recharging It can take up to two hours to fully recharge.

When you remove the transmitter from the charger, a green light should flash on the transmitter. This indicates that it has enough battery power to be connected to the sensor. If you do not see the green flashing light on the transmitter place it back on the charger until it is fully charged.

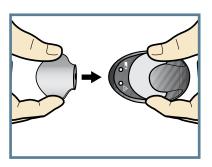
Store the transmitter, charger, and tester in a clean, dry location at room temperature. Do not store the transmitter on the charger for more than 60 days. Otherwise, the transmitter battery will be permanently damaged. If the transmitter is not in use, you must charge the transmitter at least once every 60 days.

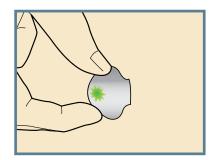
If you connect transmitter to charger and you see no lights on the charger: replace the battery in the charger.

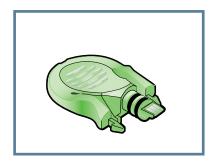
While charging your transmitter you see a flashing red light on **the charger:** replace the battery in the charger.

While charging your transmitter you see a mix of short and long flashing red lights on the charger: replace the battery in the charger and fully charge the transmitter.

Refer to your transmitter and charger User Guides for more information.







Tester



WARNING: Do not use the transmitter if you see that it's cracking, flaking, or its housing is damaged. These are signs that the transmitter is deteriorating. This deterioration can make it difficult to clean the transmitter properly and could result in serious injury.

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 or strong magnetic field, remove your mobile device (where your Guardian[™] Connect app is installed), transmitter, and glucose sensor and place them outside of the testing area.

Going through Airport Security

Your CGM system can withstand exposure to metal detectors and wands used at airport security checkpoints. The full body scanner may be a form of x-ray. If you choose to go through the full body scanner, you will need to remove your sensor and transmitter prior to the scan. To avoid removing your devices, you should request an alternative screening process that does not use x-ray.

Traveling by Air

If you wear a CGM device, it is safe for use on commercial airlines. If airline personnel request that you turn off your CGM device, you must comply.

Note: It is important that you test your blood glucose (BG) more frequently while you are traveling. The routine hassle of travel, including stress, changes in time zones, schedules and activity levels, meal times and types of food, can all affect your diabetes control. Be extra attentive to monitoring your BG frequently, and be prepared to respond if needed.

Answer Key:

Page 6: 1) A 2) BG, SG, SG Page 8: 1) A 2) D Page 19: 1) A 2) B Page 24-25: 1) A 2) B 3) A 4) B 5) A 6) B 7) C









What Do My Sensor Alerts Mean?

See your healthcare professional regularly to check your CGM settings. Your settings may need to be changed at times. Follow the instructions on the screen to address the alert.

To **clear the alert**, drag the bottom of the alert screen up.

To **snooze the alert**, drag the bottom of the alert screen down. Then tap the snooze time. You can change the snooze time using the **-** and **+**.

Alert setting	Alert shown on screen	What it means	What I should do
High Limit	High Sensor Glucose	Your sensor glucose value is equal to or greater than your high limit that you have set.	 Check your blood glucose using your BG meter. Make sure to use a blood sample from
Low Limit	Low Sensor Glucose	Your sensor glucose value is equal to or lower than your low limit that you have set. This setting is in addition to Urgent Low alert.	 your finger. Don't use your sensor glucose values to make treatment decisions (for example, dosing insulin before a meal or
Urgent Low (cannot be changed)	Urgent Low Sensor Glucose	Your sensor glucose has reached 55 mg/dL or below. You will still hear a sound with this alert regardless of your mobile device's volume or Audio Override. But remember, notifications must be kept on.	 Follow your healthcare professional's instructions for treating your glucose.
Alert Before High Time Before High	High Predicted	Your sensor glucose is expected to reach your high glucose limit in the length of time you have set.	
Alert Before Low Time Before Low	Low Predicted	Your sensor glucose is expected to reach your low glucose limit in the amount of time you have set.	
Rise Alert	Rise Alert	Your sensor glucose has been increasing at a rate that is equal to or faster than the Rise Rate that you have set: ↑, ↑↑, ↑↑↑.	
Fall Alert	Fall Alert	Your sensor glucose has been falling at a rate that is equal to or faster than the Fall rate you have set \downarrow , $\downarrow \downarrow$, $\downarrow \downarrow \downarrow$.	

These sensor alerts come pre-programmed in the Guardian[™] Connect app with the exception of "Calibrate by" (setting is called "Calibration Reminder"). You cannot change these alerts. The app requires them.

Alert	What it means	What I should do
Calibrate now	You need to calibrate your sensor in order to get sensor glucose readings.	Wash hands and check blood glucose using a fingerstick sample and blood glucose meter. Enter blood glucose value into your Guardian [™] Connect app.
Lost communication	Your Guardian [™] Connect app and transmitter haven't been communicating for 30 minutes. Your app may have closed if there are too many apps running at the same time. Other equipment may be causing radio frequency interference. Another cause is that your transmitter disconnected from your sensor or your sensor pulled out of your skin.	Move your mobile device closer to your transmitter and sensor. Move away from equipment that can cause radio frequency interference. Open app to make sure it is running properly. If it's still not working check that transmitter is still connected to sensor. If not, then reconnect it. Insert a new sensor if you see that it has pulled out. If still not working, call the 24-hour help line.
Calibration not accepted	Your BG meter value could not be used to calibrate; it was too different from the SG value.	Wait 15 minutes. Wash your hands and check your blood glucose again. Enter this blood glucose value into app.
Sensor end of life	Sensor has reached its maximum life of 7 full days.	Remove your sensor. Recharge your transmitter. Follow the instructions in the User Guide for inserting and starting a new sensor.
Change sensor	You may have received a second Calibration not accepted alert or the sensor is not working properly.	Remove your sensor and follow the instructions in the User Guide for inserting and starting a new sensor.
Sensor glucose not available	There is no sensor information due to several possible causes. Some causes include the sensor pulling out of your skin or your sensor not working properly.	Don't calibrate unless the app tells you to. The system is trying to correct the problem. This could take up to 3 hours. You don't need to do anything at this time.
Calibrate by	You programmed the Calibration Reminder setting to alert you when a calibration will be due.	Do a calibration by the time that the alert shows you.
Mobile device battery low	Your mobile device's battery has reached or fallen below 20% of its power.	Charge your mobile device.



WARNING: Don't let your mobile device shut down due to low battery, or you won't get any alerts. Carry a charger for your mobile device so that you can charge the battery.

If phone battery is empty and recharges,my app will not restart automatically.

For a complete list of Alerts and Alarms, refer to the Guardian[™] Connect System User Guide.

STARTRIGHT PERSONAL COACHING

Starting on an insulin pump or continuous glucose monitoring therapy can be life-changing, but it can also be a bit daunting until you get into the swing of things.

That's why Medtronic created StartRight[™], a personal coaching program created to help you maximise the incredible benefits of your new therapy by giving you support and confidence with your new medtronic devices during those important first months.

Startright personal coaching call schedule







3 MONTHS personal phone coaching and support at no additional cost.



DEDICATED STARTRIGHT COACH all trained personal coaches have an intimate understanding of all Medtronic devices.



COACH-INITIATED CONTACT at important therapy touchpoints such as pre-training preparation and first sensor or set change.



UNLIMITED ACCESS via phone/email for questions and support.



CARELINK SETUP and support with uploading data.



GOAL TRACKING to help you achieve goals set by your HCP. It's important to sign up to StartRight before commencing Guardian Connect so you can be fully prepared.

Sign up to StartRight:

Online:	www.medtronic-diabetes.com.au/startright
or	
Call us on:	1800 777 808
or	
Email:	your name and phone number to: rs.startrightanz@medtronic.com
or	

Fill in this form and either hand it to your HCP or email it to rs.startrightanz@medtronic.com

Name
Date of Birth:
Carer's Name:
Mobile Phone Number:
Technology: (tick box)
640G Insulin Pump
640G Insulin Pump & CGM
Guardian Connect
Technology Start Training Date:

(If known)

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Patient Signature:	Date:	
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I confirm that I have read and understood the privacy statement above and consent to Medtronic collecting and storing my sensitive personal details in accordance with the Medtronic Privacy Policy. I understand I can withdraw my consent to receiving communication from Medtronic at any time.











Medtronic Australasia Pty Ltd 2 Alma Road Macquarie Park, NSW 2113 Australia Tel: +61 2 9857 9000 Fax: +61 2 9889 5167 Toll Free: 1800 668 670 E-Mail: australia.diabetes@medtronic.com Facebook: www.facebook/MedtronicDiabetesAUS Twitter: @DiabetesANZ YouTube: MedtronicDiabetesANZ

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