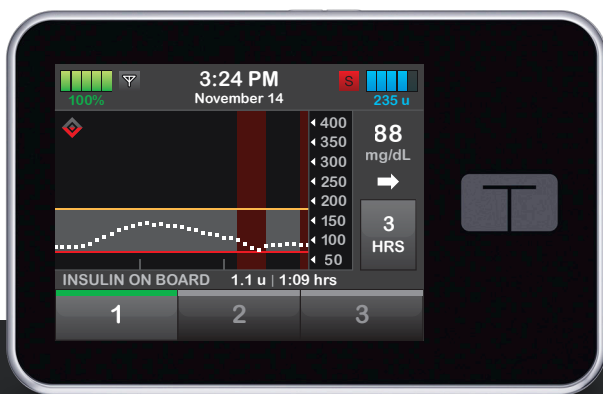


# t:slim X2™

Insulin Pump

with Basal-IQ™ Technology



## Training Manual



**TANDEM®**  
DIABETES CARE

touch simplicity®



# t:slim X2™

## Insulin Pump

As an important member of our family, we would like you to know we understand the importance of managing your diabetes. We care about your health and respect your time. In every aspect of our Company, from the creation of the t:slim X2 insulin pump with Basal-IQ technology to the development of this training manual, you are always our top priority.

This manual is designed to educate you on the features and functions of the t:slim X2 insulin pump with Basal-IQ technology, also referred to in this manual as the “System.” It provides step-by-step illustrative instructions on how to properly operate, manage, and care for your System. Look for special content boxes, which highlight useful tips and important notes that may help you interact with the System.

This Training Manual highlights common interactions with the System and is not meant to replace the t:slim X2 Insulin Pump with Basal-IQ Technology User Guide. For more comprehensive information on the System, please refer to the t:slim X2 Insulin Pump with Basal-IQ Technology User Guide and additional information on our website: [www.tandemdiabetes.com](http://www.tandemdiabetes.com).

Need help? We are here for you 24 hours a day, seven days a week at (877) 801-6901.

We know you can't wait to start using your t:slim X2 insulin pump with Basal-IQ technology! If you have not scheduled your in-person pump training, call us at (877) 801-6901, and we will notify your local trainer that you are ready to schedule. If you are trying to access your online CGM or PLGS training, please visit the patient portal at [www.portal.tandemdiabetes.com](http://www.portal.tandemdiabetes.com).

**DO NOT** deliver insulin with your t:slim X2 insulin pump with Basal-IQ technology until you receive training.

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# Overview

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## Indications for Use and Contraindications

### Indications for Use

The t:slim X2 insulin pump with Basal-IQ technology is intended for the subcutaneous delivery of insulin, at set and variable rates, for the management of diabetes mellitus in persons requiring insulin. The System is indicated for use in individuals 6 years of age and older.

### Contraindications

The t:slim X2 insulin pump with Basal-IQ technology is not intended for anyone unable or unwilling to:

- Test blood glucose (BG) levels as recommended by your healthcare provider
- Maintain sufficient diabetes self-care skills
- See his or her healthcare provider(s) regularly
- Demonstrate adequate carbohydrate-counting skills (preferred, but not required)

You must also have adequate vision and/or hearing in order to operate your t:slim X2 insulin pump with Basal-IQ technology.

Federal law restricts this device to sale by or on the order of a licensed healthcare provider with prescriptive authority.

## Pump Overview

Your t:slim X2 insulin pump with Basal-IQ technology uses touchscreen technology.

To activate and interact with your System, use the pad of your finger to quickly and lightly tap on the screen.

Do not use your finger nail or other object to interact with the screen. It will not activate the screen or its functions. A soft-tipped stylus may be used on the touchscreen.

### QUICK TIP

Fingers should be clean and dry. Oily or damp fingers may interfere with activation of the touch screen.

### ALERT

Turn screen off and position the screen away from the skin when worn under clothing.

## Pump Terminology

### Basal

Basal is a slow, continuous delivery of insulin, which keeps BG levels stable between meals and during sleep. It is measured in units per hour (units/hour).

### Basal-IQ

Basal-IQ is the name of the technology embedded in the System that predicts when your glucose level will reach 80 mg/dL or less within 30 minutes and suspends insulin delivery to prevent hypoglycemia. It will also suspend insulin delivery if the CGM glucose reading is already 70 mg/dL or less.

### Blood Glucose (BG)

BG is the level of glucose in blood, measured in milligrams per deciliter (mg/dL).

### Glucose Target

Glucose target is a specific blood glucose goal; it's an exact number, not a range. When a BG or CGM value is entered in the t:slim X2 insulin pump Bolus Calculator, the calculated insulin bolus will be adjusted up or down as needed to attain this target.

### Bolus

A bolus is a quick dose of insulin that is usually delivered to cover meals or an elevated BG. There are several types of boluses that can be delivered by the t:slim X2 insulin pump with Basal-IQ technology, including food, correction, extended, and quick boluses.

### Cannula

Insulin is delivered through the cannula, the part of the infusion set that is inserted under the skin.

### Carb

Carbohydrates (carbs) are the sugars and starches in food that the body breaks down into glucose and uses as an energy source. Carbs are measured in grams.

### Carb Ratio

The carb ratio is the number of grams of carbohydrate that one unit of insulin will cover. Also known as insulin-to-carbohydrate ratio.

### Continuous Glucose Monitor (CGM)

CGM systems sense glucose in the interstitial fluid at regular intervals.

### Correction Bolus

A correction bolus is given to correct elevated BG.

### Correction Factor

A correction factor is the amount that BG is lowered by one unit of insulin. Also known as the insulin sensitivity factor (ISF).



### **Extended Bolus**

An Extended Bolus is delivered over a period of time. It is intended for times when you have a high-fat meal or a meal spread out over a long period of time.

### **Grams**

Grams are a unit of measurement used to measure carbohydrates.

### **Insulin Duration**

Insulin duration is the amount of time that insulin is active and available in the body after a bolus has been delivered. This also relates to the calculation for insulin on board (IOB).

### **Insulin on Board (IOB)**

IOB is the insulin that is still active (has the ability to continue to lower the BG) in the body after a bolus has been delivered.

### **Load**

Load refers to the process of removing, replacing, and filling a new cartridge and infusion set.

### **Personal Profile**

A Personal Profile is a personalized group of settings that defines the delivery of basal and bolus insulin within specific time segments throughout a 24-hour period.

### **Quick Bolus**

A Quick Bolus is a way to deliver a bolus (using the Quick Bolus button) by following beep/vibration commands without navigating through or viewing the t:slim X2 insulin pump screen.

### **Temporary Basal Rate (Temp Rate)**

Temp Rate is used to increase or decrease the current basal rate for a short period of time to accommodate special situations, such as exercise or illness. The programmed basal rate is represented as 100%, with percentages greater or less than 100% representing how much more or less insulin is delivered compared with the basal rate. A 120% temp rate, for example, represents 20% more insulin than the regular basal rate.

### **Unit**

A unit is the increment of measurement for insulin.

### **USB Cable**

USB is the abbreviation for universal serial bus. The cable connects into the micro USB port on the t:slim X2 insulin pump with Basal-IQ technology.

## Basal-IQ Screen Lock



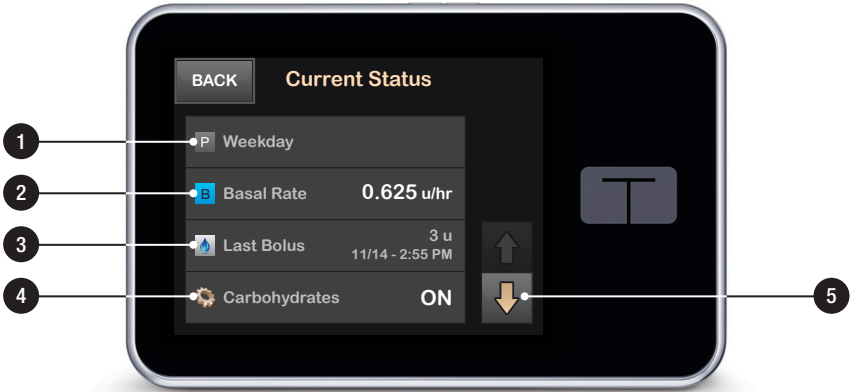
1. **Alert icon:** Indicates a reminder, alert, or alarm is active behind the screen lock
2. **USB port:** Charge your t:slim X2 insulin pump battery. Close the cover when not in use
3. **Basal-IQ technology status:** Indicates the status of the Basal-IQ technology
4. **CGM graph shading:** Red shading indicates the Basal-IQ technology is, or was, active for the period indicated
5. **CGM graph:** Visual view of data from the continuous glucose monitor
6. **1–2–3:** Unlocks pump screen
7. **Screen On/Quick Bolus button:** Turns on the t:slim X2 insulin pump screen or programs a Quick Bolus (if activated)
8. **LED Indicator:** Illuminates when the t:slim X2 insulin pump is connected to a power supply and functioning properly
9. **Cartridge tubing:** Tubing attached to the cartridge
10. **Tubing connector:** Connects the cartridge tubing to the infusion set tubing

## Basal-IQ Home Screen



1. **Time and date display:** Displays the current time and date
2. **Antenna:** Indicates communication status between pump and transmitter
3. **Battery level:** Displays the level of battery power remaining. When connected for charging, the charging icon (lightning bolt) will display
4. **Insulin on board (IOB):** Indicates the amount and time remaining for any active insulin on board
5. **Options:** Stop/Resume insulin delivery, manage Pump Settings, Load Cartridge, program a Temp Rate, and view History
6. **Bolus:** Program and deliver a bolus
7. **Active Bolus icon:** Indicates an active bolus
8. **Status:** Displays current pump settings and insulin delivery status
9. **Insulin level:** Displays the current amount of insulin in the cartridge
10. **Tandem logo:** Returns to the Home Screen

## Status Screen



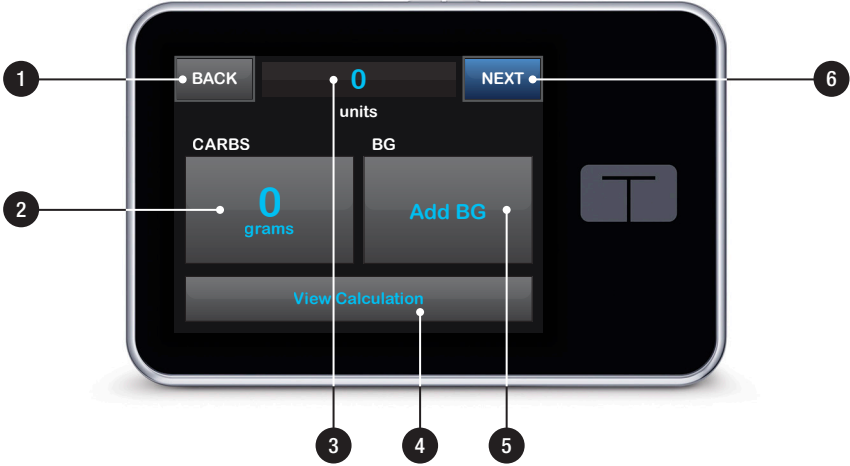
1. **Profile:** Displays current active Personal Profile
2. **Basal Rate:** Displays current basal rate being delivered (if a Temp Rate is active, this is displayed in units/hour)
3. **Last Bolus:** Displays the amount, date, and time of last bolus
4. **Carbohydrates:** Indicates whether feature is on or off
5. **Up/Down Arrow:** Indicates there is more information
6. **Correction Factor:** Displays current correction factor used to calculate bolus
7. **Carb Ratio:** Displays current carb ratio used to calculate bolus for food
8. **Target BG:** Displays current BG target used to calculate bolus
9. **Insulin Duration:** Displays current insulin duration used to calculate insulin on board
10. **Last Calibration:** Indicates whether feature is on or off
11. **Time Sensor Started:** Displays date and time of last time sensor started
12. **Transmitter Battery:** Displays transmitter battery status
13. **Basal-IQ Status:** Displays the Basal-IQ technology status

#### **NOTE**

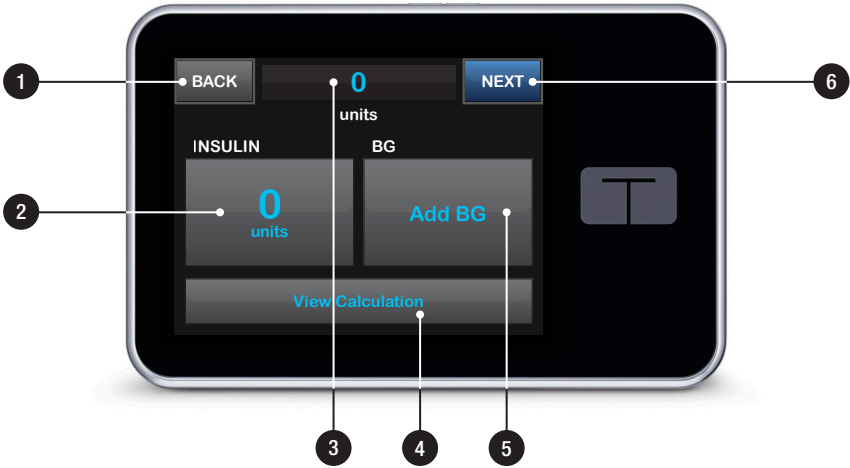
No changes can be made from this screen.

### Bolus Screen

#### Using Grams



#### Using Units



## Using Grams

1. **BACK:** Returns to the Home Screen
2. **CARBS:** Enter grams of carb
3. **Units:** Displays total units calculated
4. **View Calculation:** Displays how the insulin dose was calculated using the current settings
5. **Add BG:** Enter BG level
6. **NEXT:** Moves to next step

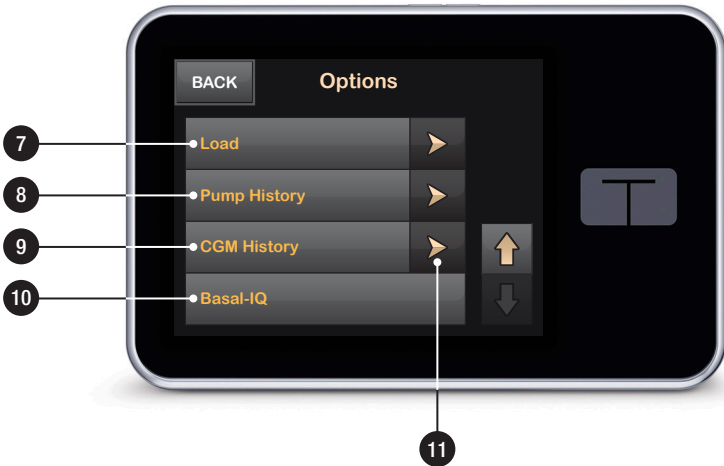
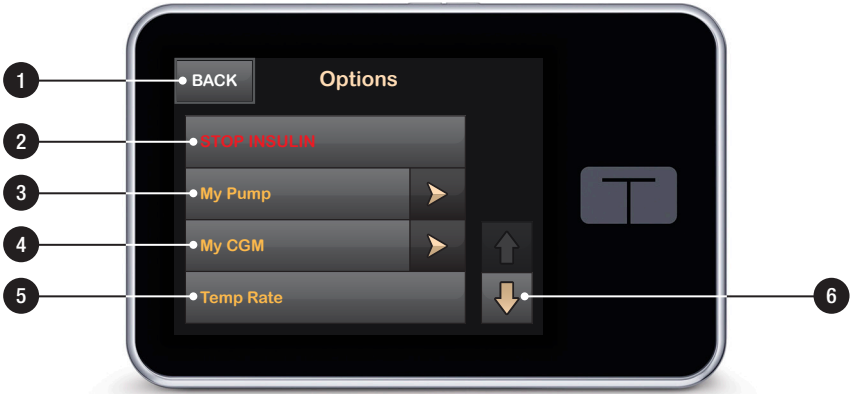
## Using Units

1. **BACK:** Returns to the Home Screen
2. **INSULIN:** Enter units of insulin
3. **Units:** Displays total units calculated
4. **View Calculation:** Displays how the insulin dose was calculated using the current settings
5. **Add BG:** Enter BG level
6. **NEXT:** Moves to next step

### **COLOR NOTE**

Use of blue text may relate to bolus delivery activity.

### Options Screen



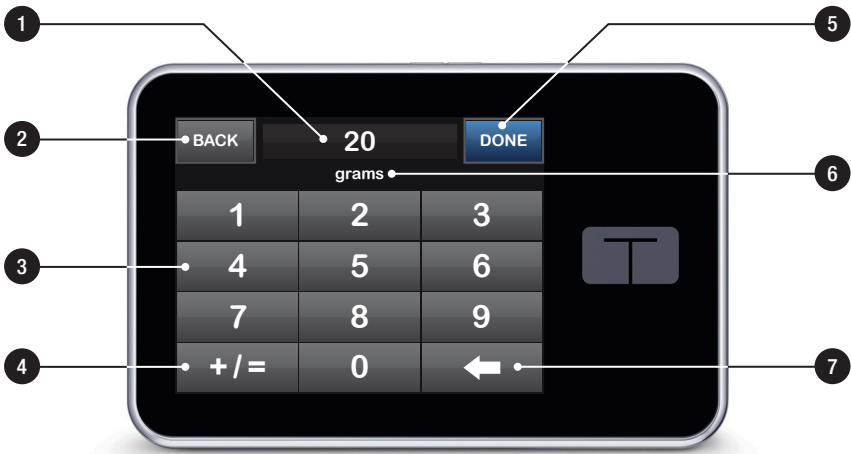


1. **BACK:** Returns to the Home Screen
2. **STOP INSULIN:** Stops insulin delivery. If insulin delivery is stopped, RESUME INSULIN will be displayed
3. **My Pump:** Personal Profiles, Alert Settings, Pump Settings, and Pump Info
4. **My CGM:** STOP/START SENSOR, Calibrate CGM, CGM Alerts, and CGM Settings
5. **Temp Rate:** Programs a temporary basal rate
6. **Up/Down Arrow:** Indicates that there is more information
7. **Load:** Change Cartridge, Fill Tubing, Fill Cannula, and Site Reminder
8. **Pump History:** Displays historical log of pump events
9. **CGM History:** Sessions and Calibrations, Alerts and Errors, and Complete
10. **Basal-IQ:** On/Off, Suspend Alert, Resume Alert
11. **Menu Arrows:** Indicates additional menu options are available

#### **COLOR NOTE**

Orange text relates to t:slim X2 insulin pump setup or delivery settings.

## Number Keypad

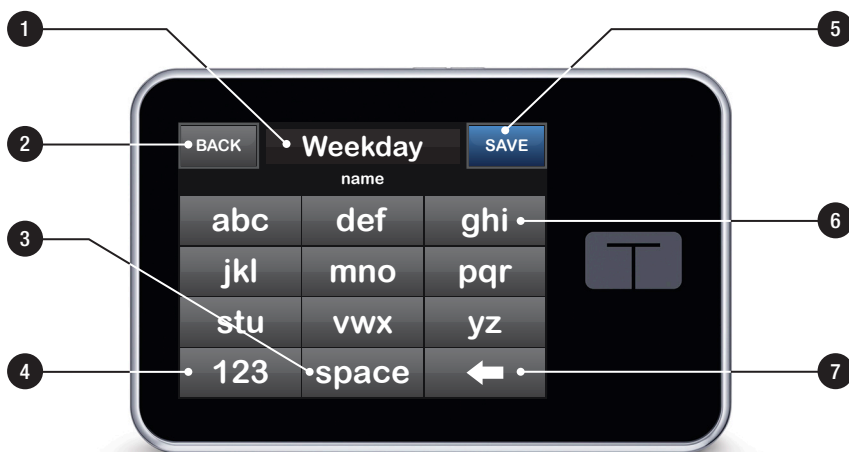


1. Value entered
2. BACK: Returns to previous screen
3. Keypad numbers
4. +/-: Allows numbers to be added on gram keypad screen. If in units, this displays as a decimal point
5. DONE: Completes task and saves information entered
6. Units/grams: Value of what is entered
7. ←: Deletes last number entered

### 🗨️ QUICK TIP

To change an existing number, begin by tapping the numbers on the keypad to override the current value.

## Letter Keypad

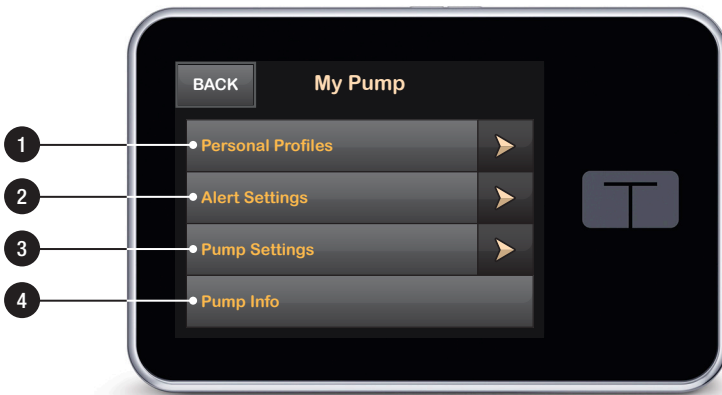


1. Name of profile
2. **BACK:** Returns to previous screen
3. **Space:** Enters a space
4. **123:** Changes keypad mode from letters (ABC) to numerals (123)
5. **SAVE:** Saves entered information
6. **Letters:** Tap once for first letter displayed, two quick taps for middle letter, and three quick taps for third letter
7. **←:** Deletes last letter or number entered

### QUICK TIP

If changing an existing name, begin by tapping the letters on the keypad to enter new text. The maximum number of characters is 16.

## My Pump Screen



1. **Personal Profiles:** A group of settings that defines basal and bolus delivery
2. **Alert Settings:** Pump Reminders and Pump Alerts
3. **Pump Settings:** Quick Bolus, Pump Volume, Screen Options, and Time and Date
4. **Pump Info:** t:slim X2 insulin pump serial number, Tandem Diabetes Care Customer Technical Support phone number, website, and other technical information

## Basal-IQ Screen



1. **Basal-IQ Technology ON/OFF:** Turns Basal-IQ technology on or off
2. **Suspend Alert ON/OFF:** Turns on or off, the alert that indicates when insulin has been suspended
3. **Resume Alert ON/OFF:** Turns on or off the alert indicating when insulin has been resumed after a suspension

### NOTE

If this is your first time using your t:slim X2 insulin pump with the Basal-IQ technology, you must first begin an active sensor session before using the Basal-IQ technology. The Basal-IQ technology is turned on by default and will begin working once there is an active sensor session.

### NOTE

The Suspend and Resume Alerts are turned off by default.

---

# Getting Started

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## Charging Your Pump

The t:slim X2 insulin pump with Basal-IQ technology is powered by an internal lithium polymer rechargeable battery. Included with the System are accessories for charging from AC wall outlets, automobile outlets, and a PC USB port. Upon receipt of the t:slim X2 insulin pump with Basal-IQ technology, you should charge it using the AC charger long enough to ensure a full charge, then plug in for a few minutes every day or two to keep the battery optimally charged. Battery life depends on use (for example, screen-on time can be shortened to extend battery life).

### NOTE

When you plug in the t:slim X2 insulin pump with Basal-IQ technology, the following are signals that the pump is charging:

- » An illuminated screen
- » An audible alert
- » An illuminated LED (edge around the Screen On/Quick Bolus button)
- » A vibrating alert
- » A charge symbol (lightning bolt) on the battery level indicator appears

### QUICK TIP

Tandem Diabetes Care recommends periodically checking the battery level indicator, charging the System for a short period of time every day (10-15 minutes), and also avoiding frequent full discharges.

1. Plug the two-prong end of the AC charger into a grounded AC electrical outlet.
2. Plug the USB cable into the AC charger and the other end into the micro USB port on your t:slim X2 insulin pump with Basal-IQ technology. The screen is illuminated.

### NOTE

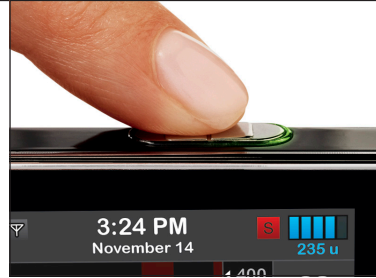
The Screen On/Quick Bolus button can also be used to turn the screen off.

## Turning On Pump Screen

1. Press the **Screen On/Quick Bolus** button.
  - ✓ The Screen Lock screen is displayed. Once unlocked, the Home Screen or the last screen that was viewed is displayed.

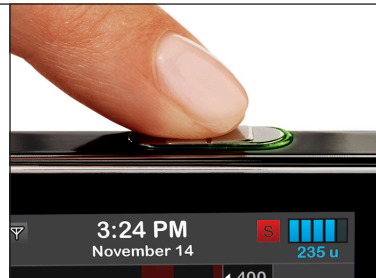
### **NOTE**

The Screen On/Quick Bolus button can also be used to turn the screen off.

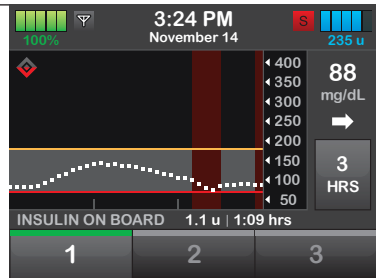


## Unlock Pump Screen

1. Press Screen On/Quick Bolus button.

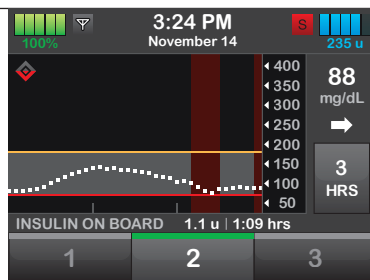


2. Tap 1.





## 3. Tap 2.

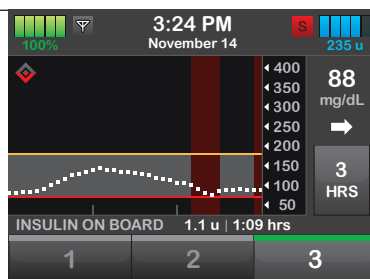


## 4. Tap 3.

- ✓ The pump screen is now unlocked. The last screen that was viewed is displayed.

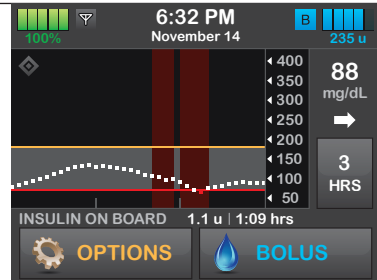
**NOTE**

You must tap 1-2-3 in sequential order, or you will have to begin again to unlock the pump screen. The screen will turn off after three accidental screen taps.

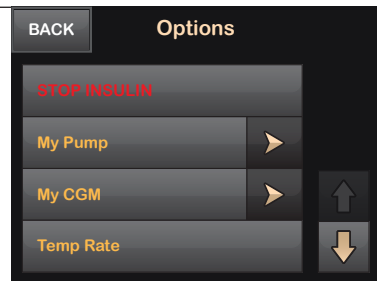


## Edit Time

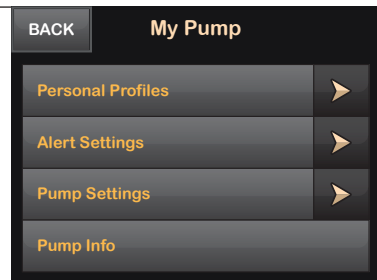
1. From the Home Screen, tap **OPTIONS**.



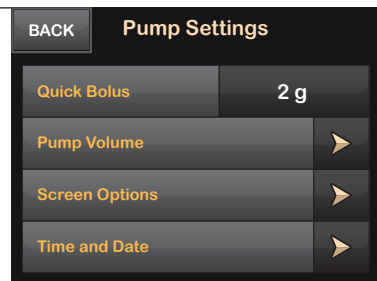
2. Tap My Pump.



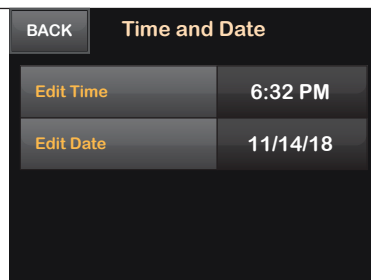
3. Tap Pump Settings.



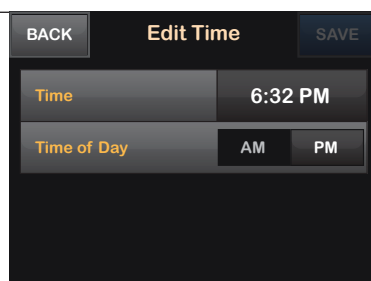
4. Tap Time and Date.



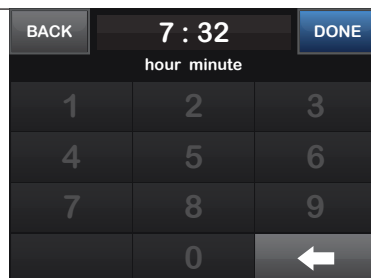
5. Tap **Edit Time**.



6. Tap **Time**.



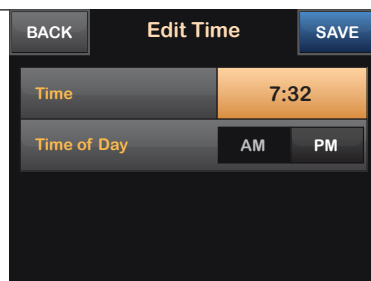
7. Using the on-screen keypad, enter the hour and minutes values. Verify and tap **DONE**.



8. Tap **Time of Day** to set AM or PM.

9. Verify the correct time is set and tap **SAVE**.

- ✓ The Settings Saved screen is displayed.

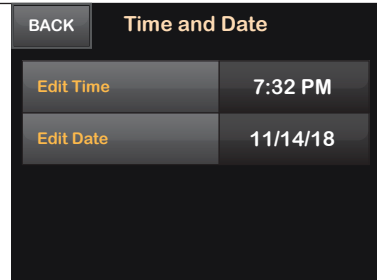


#### COLOR NOTE

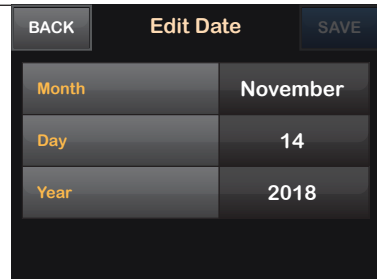
The orange highlighted area indicates a recent change made to a setting.

## Edit Date

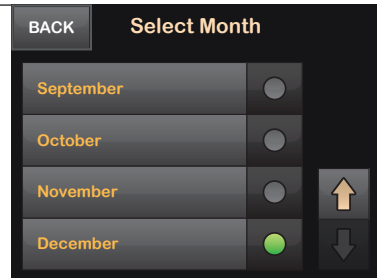
1. From the Time and Date screen, tap **Edit Date**.



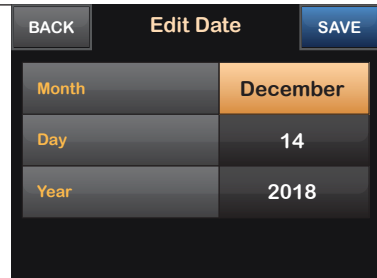
2. Tap **Month**.



3. Find and tap current month. Use Up/Down Arrows to view months not displayed.



4. Tap **Day**. Using the on-screen keypad, enter the current day. Verify and tap **DONE**.



5. Tap Year.

6. Using the on-screen keypad enter the current year. Verify and tap **DONE**.

7. Verify the correct date is set and tap **SAVE**.

- ✓ The Settings Saved screen is displayed.

#### **NOTE**

Setting the correct time and date on your t:slim X2 insulin pump with Basal-IQ technology is very important to ensure that your settings reflect your insulin needs and also that data uploaded into the t:connect application are accurate.

---

# Personal Profile

---

## Personal Profile Overview

A Personal Profile is a group of settings that define the basal and bolus delivery within specific time segments throughout a 24-hour period. Each profile can be personalized with a name. Within a Personal Profile, the following can be set:

- Timed Settings: Basal Rate, Correction Factor, Carb Ratio, and Target BG.
- Bolus Settings: Insulin Duration, Max Bolus, and Carbohydrates setting (On/Off).

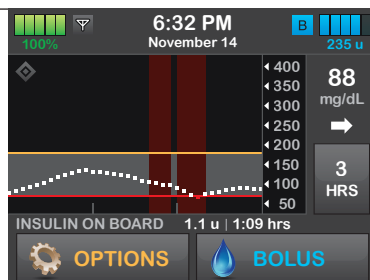
### NOTE

Up to six different Personal Profiles can be created and up to 16 different time segments can be set in each Personal Profile.

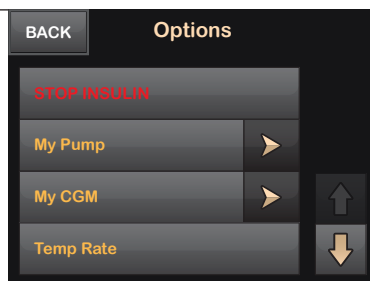
The first time segment starts at 12:00 AM (Midnight). Basal Rate, Correction Factor, Carb Ratio, and Target BG are set for each segment.

## Creating a New Profile

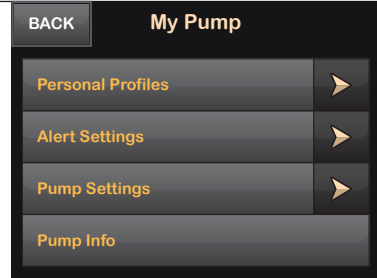
1. From the Home Screen, tap **OPTIONS**.



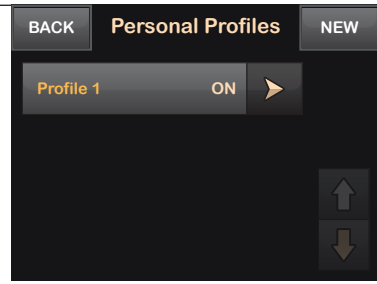
2. Tap My Pump.



3. Tap Personal Profiles.



4. Tap NEW to create a new profile.



5. Using the on-screen keypad, enter a profile name (up to 16 characters) and tap SAVE.

**NOTE**

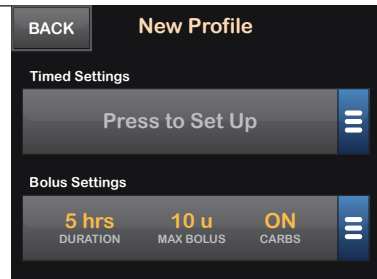
Refer to the Overview section for instructions on using the on-screen keypad.



6. Tap Press to Set Up to begin setting insulin delivery settings.

**NOTE**

Once the Personal Profile has been created, the settings must be programmed.





## Programming a New Profile

### NOTE

Data entered will affect insulin delivery. Make sure all information is entered correctly.

### 1. Tap Basal.

#### NOTE

The first time segment will start at 12:00 AM (Midnight).

BACK	12:00 AM	SAVE
Basal	Press to Set Up	
Correction Factor	Press to Set Up	
Carb Ratio	Press to Set Up	
Target BG	Press to Set Up	

### 2. Using the on-screen keypad, enter the desired basal rate and tap DONE.

#### NOTE

Always confirm that the decimal point placement is correct.

BACK	Enter Rate	DONE
u/hr		
1	2	3
4	5	6
7	8	9
.	0	←

### 3. Tap Correction Factor.

#### COLOR NOTE

The orange highlighted area indicates a recent change made to a setting.

BACK	12:00 AM	SAVE
Basal	0.75 u/hr	
Correction Factor	Press to Set Up	
Carb Ratio	Press to Set Up	
Target BG	Press to Set Up	

### 4. Using the on-screen keypad, enter the desired correction factor and tap DONE.

#### NOTE

Enter the mg/dL that 1 unit of insulin will lower BG.

#### COLOR NOTE

Gray text indicates values that do not need to be added.

BACK	1 : --	DONE
unit mg/dL		
1	2	3
4	5	6
7	8	9
	0	←

5. Tap Carb Ratio.

BACK	12:00 AM	SAVE
Basal	0.75 u/hr	
Correction Factor	1u:50 mg/dL	
Carb Ratio	Press to Set Up	
Target BG	Press to Set Up	

6. Using the on-screen keypad, enter the desired insulin-to-carbohydrate ratio and tap **DONE**.

**NOTE**

Enter the grams of carbohydrate to be covered by 1 unit of insulin.

BACK	1 : --	DONE
unit grams		
1	2	3
4	5	6
7	8	9
.	0	←

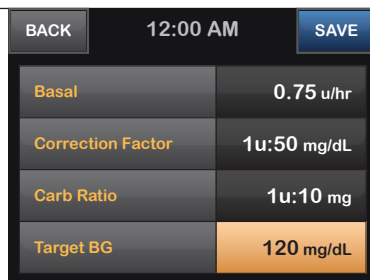
7. Tap Target BG.

BACK	12:00 AM	SAVE
Basal	0.75 u/hr	
Correction Factor	1u:50 mg/dL	
Carb Ratio	1u:10 mg	
Target BG	Press to Set Up	

8. Using the on-screen keypad, enter the desired BG target and tap **DONE**.

BACK	Enter Target	DONE
mg/dL		
1	2	3
4	5	6
7	8	9
.	0	←

9. Review entered values and tap **SAVE**.



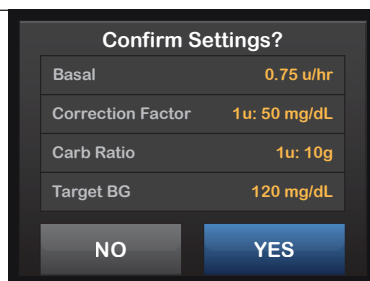
10. Confirm settings.

Tap **YES** if entered data is correct.

Tap **NO** to make changes.

**NOTE**

Any settings defined in the previous time segment are copied and appear in the new time segment. Tap on each setting to edit as needed.



11. Tap **BACK** to set the Bolus settings.

- OR -

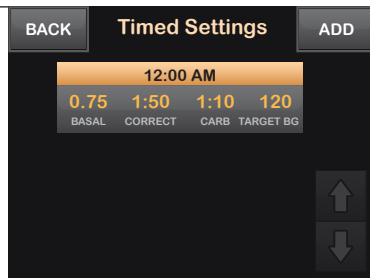
Tap **ADD** to create additional time settings.

**NOTE**

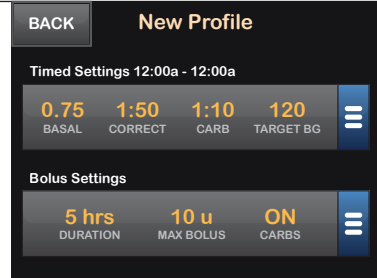
Your t:slim X2 insulin pump with Basal-IQ technology delivers insulin at basal rates as low as 0.1 unit/hour.

**NOTE**

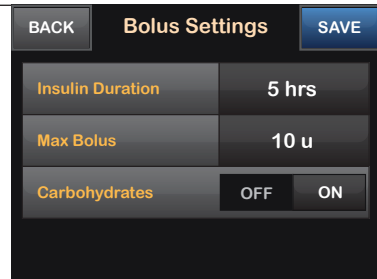
You will notice that many functions of your t:slim X2 insulin pump with Basal-IQ technology include confirmation screens. Confirmation screens are an important part of the safety feature of your System. Please confirm that the information is correct before changing settings or delivering a bolus.



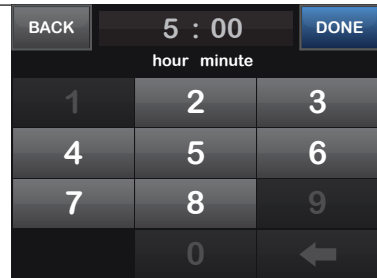
12. Tap the **Bolus Settings** panel.



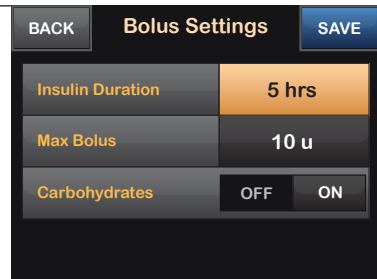
13. Tap Insulin Duration.



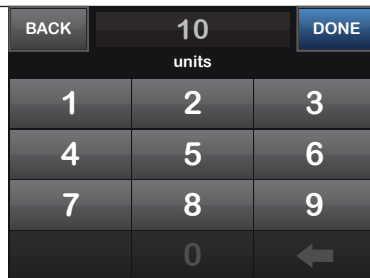
14. Using the on-screen keypad, enter the desired time for the duration of insulin action and tap **DONE**.



15. Tap Max Bolus.



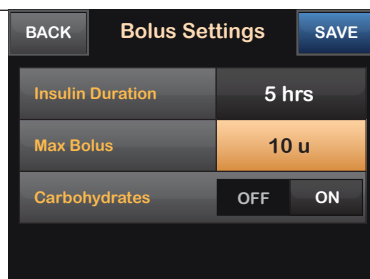
16. Using the on-screen keypad, enter the desired amount for maximum bolus (1-25 units), and tap **DONE**.



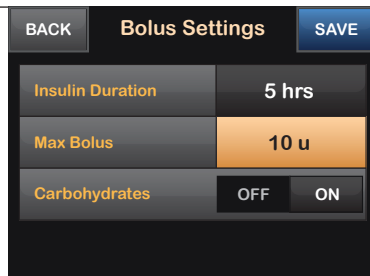
17. Tap **Carbohydrates** to activate and use the carb ratio when calculating boluses.

**NOTE**

Your t:slim X2 insulin pump with Basal-IQ technology will deliver boluses between 0.05 and 25 units.



18. Review entered values and tap **SAVE**.

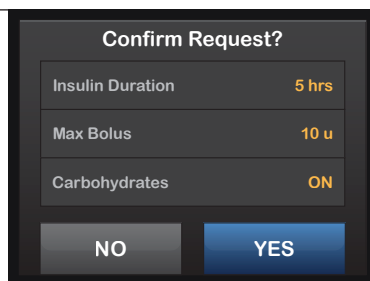


19. Confirm settings.

Tap **YES** if entered data is correct.

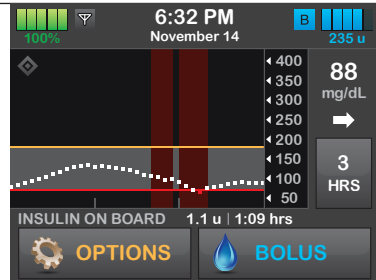
Tap **NO** to make changes.

20. Tap the **Tandem logo** on the face of the pump to return to the Home Screen.

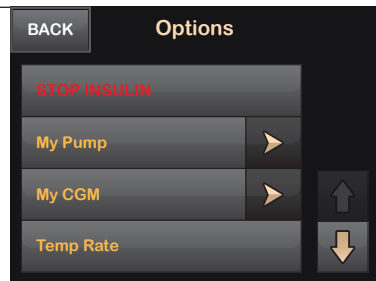


## Edit an Existing Profile

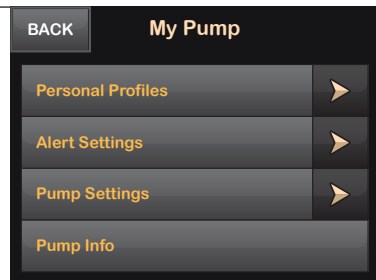
1. From the Home Screen, tap **OPTIONS**.



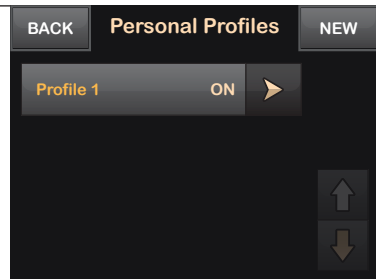
2. Tap **My Pump**.



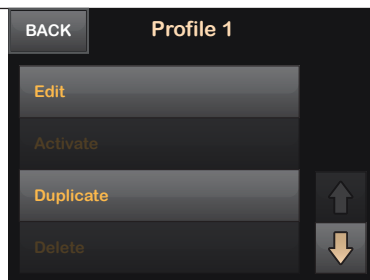
3. Tap **Personal Profiles**.



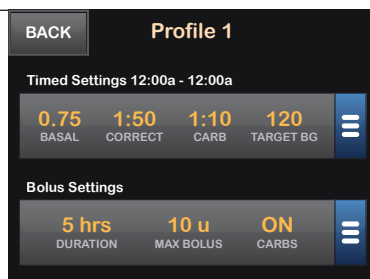
4. Tap the name of the Personal Profile to edit.



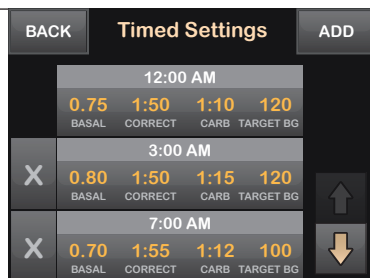
5. Tap Edit.



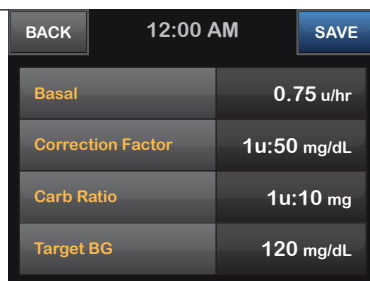
6. Tap Timed Settings panel.



7. Tap the desired time segment to be edited.



8. Tap Basal, Correction Factor, Carb Ratio, or Target BG to make changes as needed and use the on-screen keypad to enter desired changes. Tap SAVE.



9. View recent changes and, if correct, tap **SAVE**.

BACK	12:00 AM	SAVE
Basal	0.75 u/hr	
Correction Factor	1u:50 mg/dL	
Carb Ratio	1u:10 mg	
Target BG	130 mg/dL	

10. Confirm settings.

Tap **YES** if entered data is correct.

Tap **NO** to make changes.

Confirm Settings?		
Basal	0.75 u/hr	
Correction Factor	1u: 50 mg/dL	
Carb Ratio	1u: 10g	
Target BG	130 mg/dL	
NO	YES	

11. Tap **BACK** after editing all of the time segments.

**NOTE**

Edit other time segments within the Timed Settings by tapping on them and using the same method described above.

**NOTE**

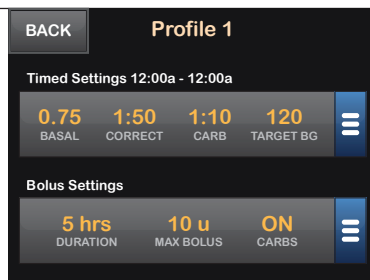
To delete a time segment:

1. Tap on the X to the left of the time segment.
2. Tap YES to confirm.

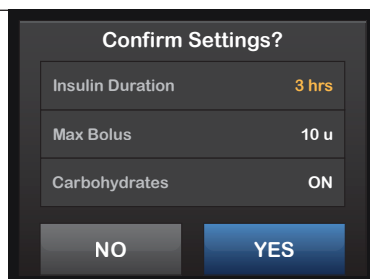
BACK	Timed Settings				ADD
	12:00 AM				
	0.75	1:50	1:10	130	
	BASAL	CORRECT	CARB	TARGET BG	
X	3:00 AM				
	0.80	1:50	1:15	120	
	BASAL	CORRECT	CARB	TARGET BG	
X	7:00 AM				
	0.70	1:55	1:12	100	
	BASAL	CORRECT	CARB	TARGET BG	



12. Tap the **Bolus Settings** panel to change DURATION, MAX BOLUS or CARBS as needed. Use the on-screen keypad to enter desired changes. Tap **SAVE**.



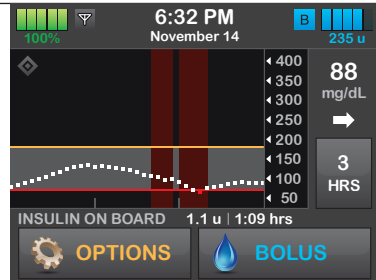
13. Confirm settings.
- Tap **YES** if entered data is correct.
- Tap **NO** to make changes.



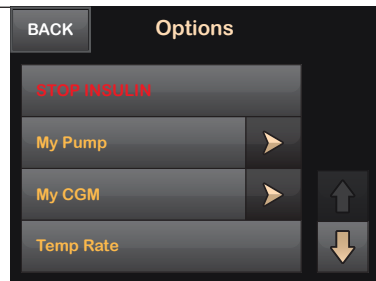
14. Tap the **Tandem logo** on the face of the pump to return to the Home Screen.

## Duplicate an Existing Profile

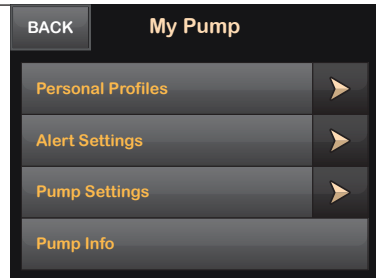
1. From the Home Screen, tap **OPTIONS**.



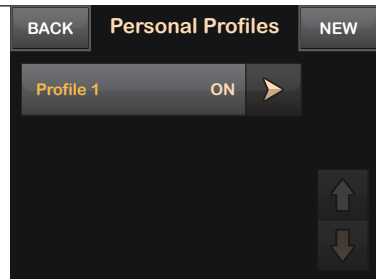
2. Tap **My Pump**.



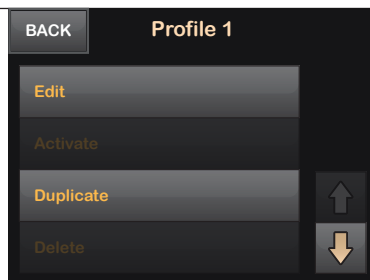
3. Tap **Personal Profiles**.



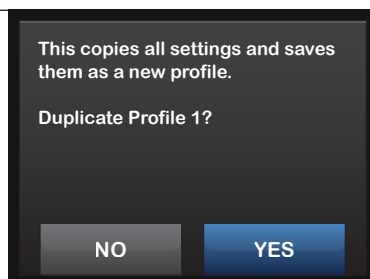
4. Tap the name of the Personal Profile to duplicate.



5. Tap Duplicate.



6. Confirm profile to duplicate by tapping YES.

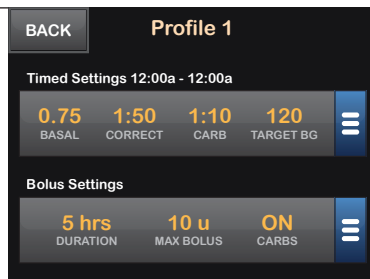


7. Using the on-screen keypad, enter the name (up to 16 characters) for the new profile and tap SAVE.

✓ The Profile Duplicated screen is displayed. A new Personal Profile will be created with the same settings as the profile copied.

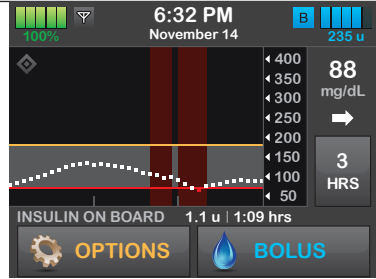


8. Tap the Timed Settings or Bolus Settings panel to make changes to the new profile.

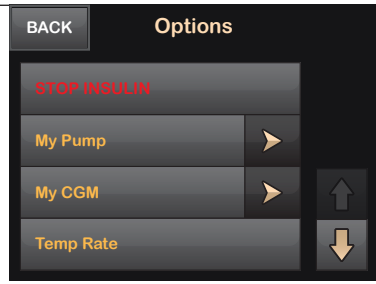


## Activate, Delete, or Rename a Profile

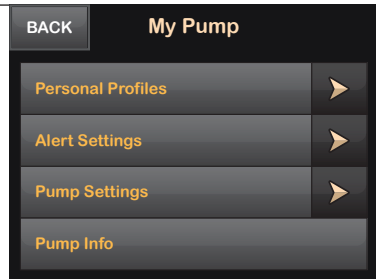
1. From the Home Screen, tap **OPTIONS**.



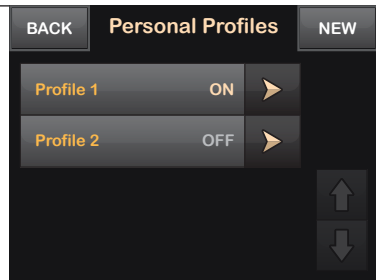
2. Tap **My Pump**.



3. Tap **Personal Profiles**.

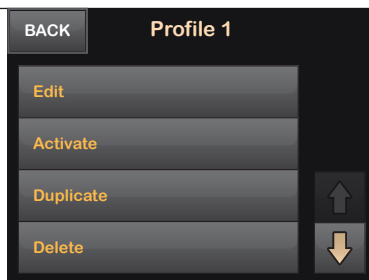


4. Tap the name of the Personal Profile.



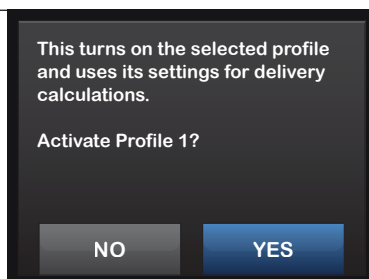
**To Activate Profile:**

1. Tap Activate.

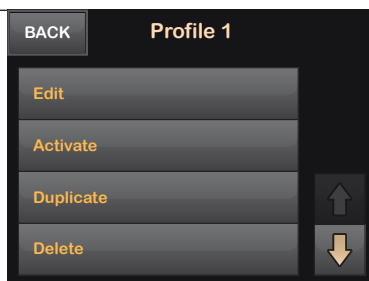


2. Tap YES.

- ✓ The Profile Activated screen is displayed.

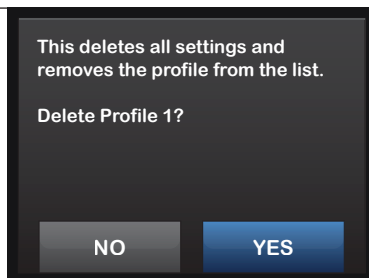
**To Delete a Profile:**

1. Tap Delete.



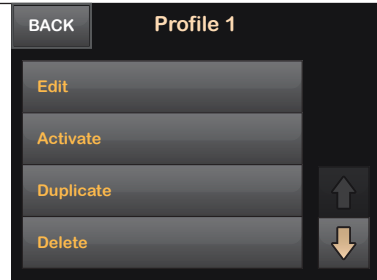
2. Tap YES.

- ✓ The Profile Deleted screen is displayed.

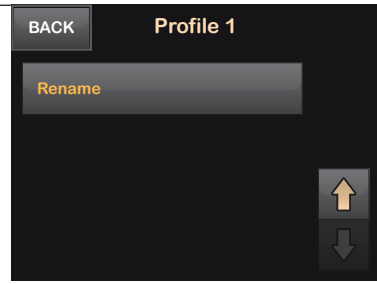


## To Rename a Profile:

1. Tap Down Arrow.



2. Tap Rename.



3. Using the on-screen keypad, rename the profile name (up to 16 characters) and tap **SAVE**.
4. Tap the Tandem logo on the face of the pump to return to the Home Screen.



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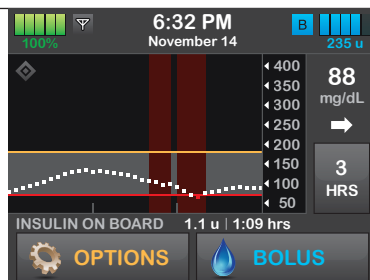
# My CGM

---

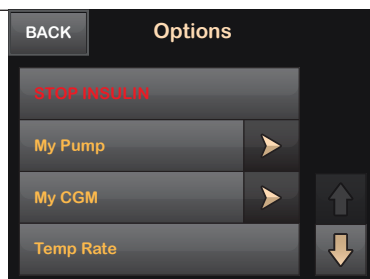


## Entering the Transmitter ID

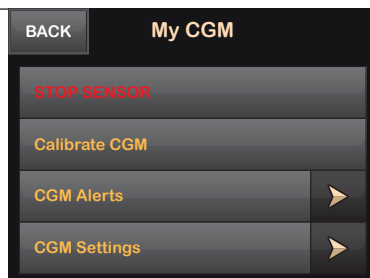
- From the Home Screen, tap **OPTIONS**.



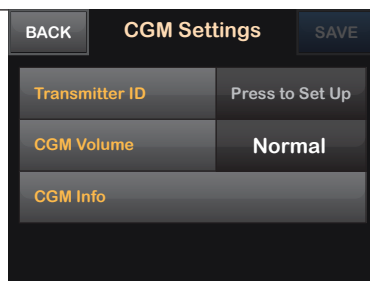
- Tap **My CGM**.



- Tap **CGM Settings**.



- Tap **Transmitter ID**.



5. Enter the six-character transmitter ID (found on the bottom of the transmitter).

BACK	Enter ID		SAVE
Transmitter ID			
1	2	3	
4	5	6	
7	8	9	
ABC	0	←	

6. Tap **SAVE**.

BACK	8Y4H5A		SAVE
Transmitter ID			
1	2	3	
4	5	6	
7	8	9	
ABC	0	←	

7. Tap **ENTER ID AGAIN** to verify transmitter ID.

**VERIFY TRANSMITTER ID**

Please verify your transmitter ID by entering it a second time.

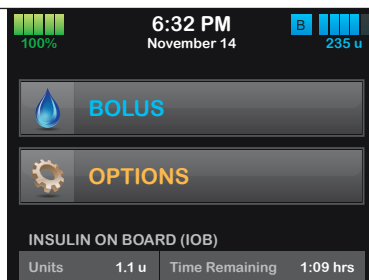
**ENTER ID AGAIN**

8. Tap **SAVE**.

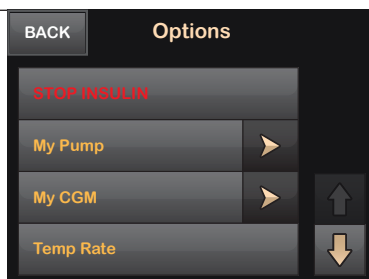
BACK	8Y4H5A		SAVE
Transmitter ID			
1	2	3	
4	5	6	
7	8	9	
ABC	0	←	

## Starting a Sensor Session

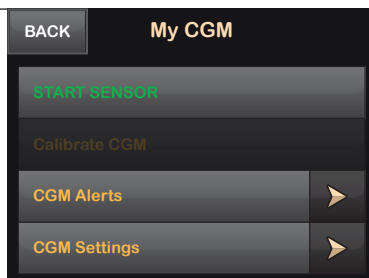
- From the Home Screen, tap **OPTIONS**.



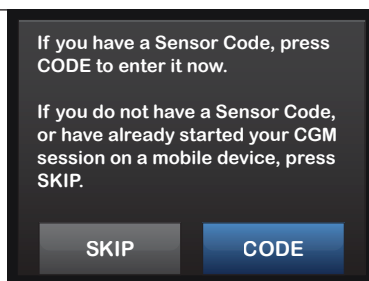
- Tap **My CGM**.



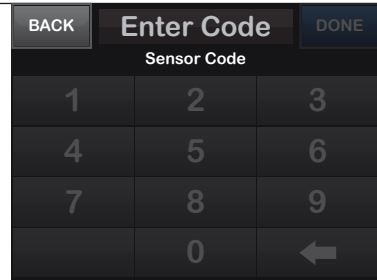
- Tap **START SENSOR**.



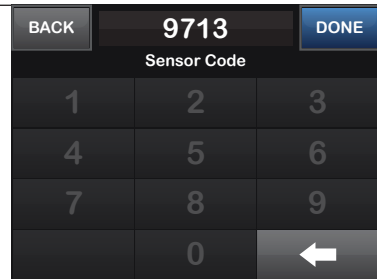
- Tap **CODE**.



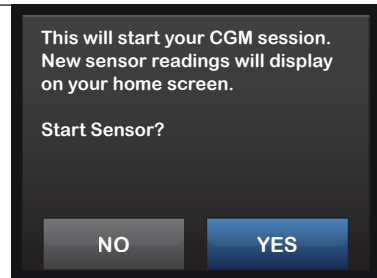
5. Enter the four-digit sensor code (found on the bottom of the applicator on the adhesive strip).



6. Tap **DONE**.



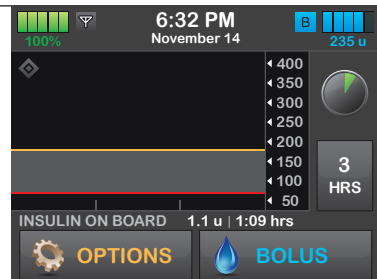
7. Tap **YES** to start sensor session.



8. Two-hour warm up period starts.

**NOTE**

A graph of your CGM values will appear on your pump screen. Tap the **Trending Time** button to change the timeline of the graph. The default setting is 3 HRS. You can select: 1 HR, 3 HRS, 6 HRS, 12 HRS, or 24 HRS.

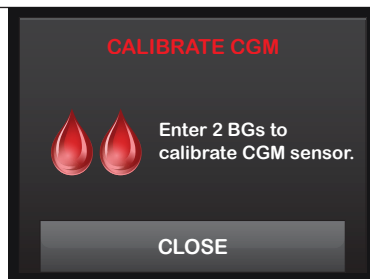


## Calibrating the Sensor

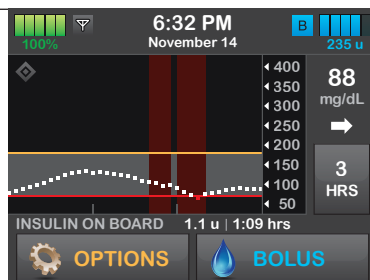
### NOTE

If you enter the Sensor Code when you start a sensor session, you will not be prompted to calibrate the Dexcom G6 sensor. However, if you do not enter a sensor code, but choose **SKIP** when starting the sensor session, you will be required to calibrate with your fingerstick BG with a blood glucose meter.

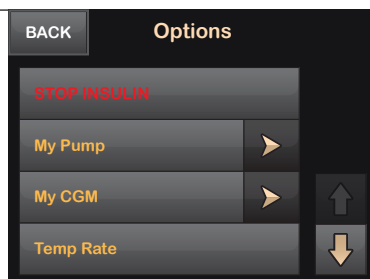
1. If you see this prompt, tap **CLOSE**.



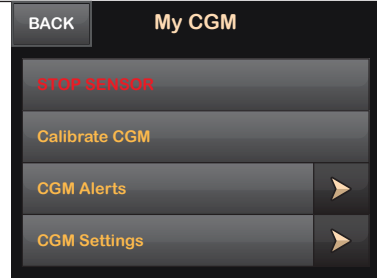
2. To calibrate your sensor, tap **OPTIONS**.



3. Tap **My CGM**.



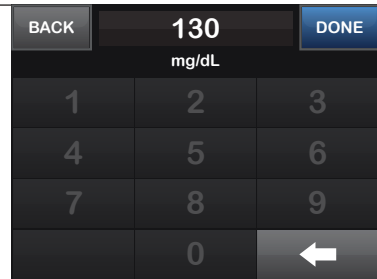
4. Tap Calibrate CGM.



5. Enter BG reading from meter into keypad.

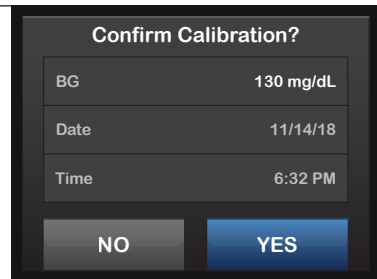


6. Tap DONE.



7. Tap YES to confirm calibration.

✓ The CALIBRATION ACCEPTED screen is displayed.



8. Repeat with a second BG value.

- ✓ The CALIBRATION ACCEPTED screen is displayed.

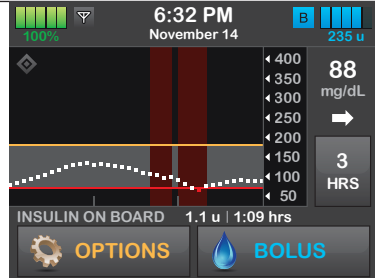
 **NOTE**

You will see a Trend Arrow below the current CGM value displayed on your pump screen. The direction of the arrow estimates the direction and rate of change of your CGM values.

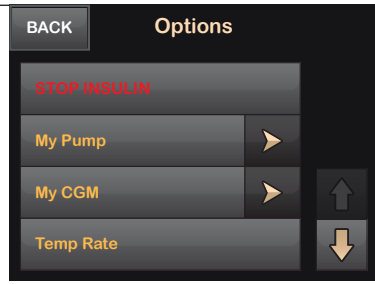
BACK	130	DONE
mg/dL		
1	2	3
4	5	6
7	8	9
	0	←

## Setting Up CGM Alerts

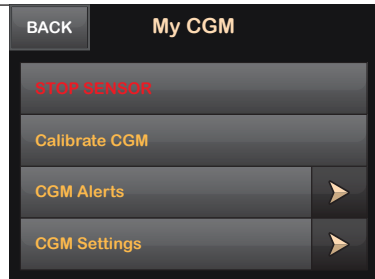
1. From the Home Screen, tap **OPTIONS**.



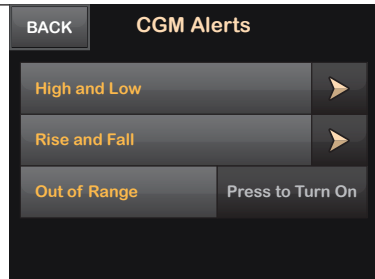
2. Tap My CGM.



3. Tap CGM Alerts.

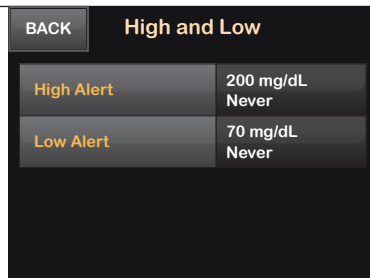


4. Tap High and Low.

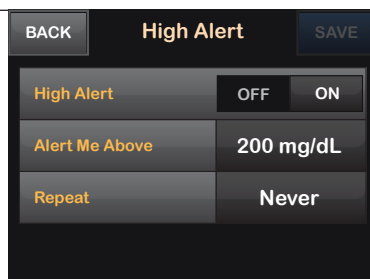




5. To set the High Alert, tap High Alert.



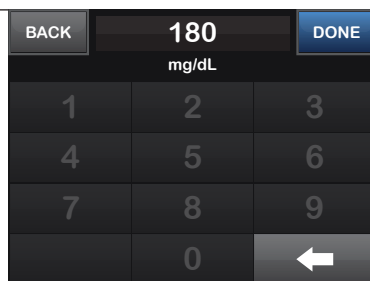
6. Tap Alert Me Above.



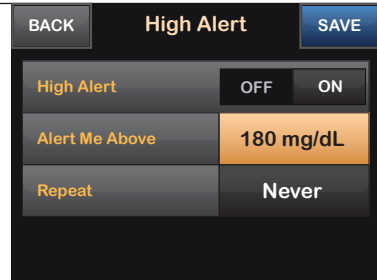
7. Using the on-screen keypad, enter the value above which you want to be notified.



8. Tap DONE.

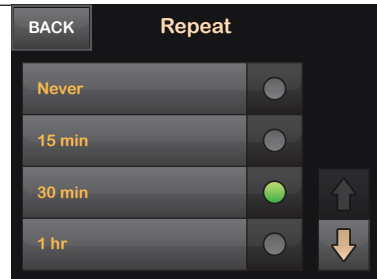


9. If you want the High Alert to repeat, tap **Repeat**.



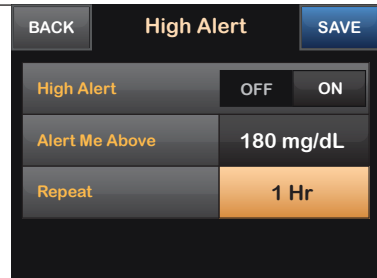
10. To select the repeat time, tap the time you want the alert to sound again. Use the up and down arrows to view all Repeat options.

- ✓ Once a value is selected, the pump will return to the previous screen.

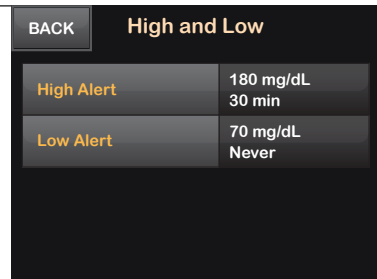


11. Tap **SAVE**.

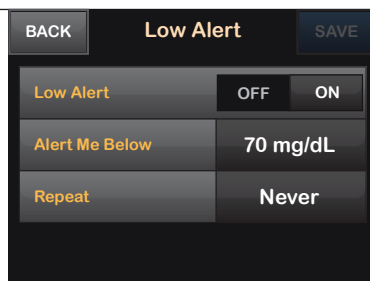
- ✓ The Setting Saved screen is displayed.



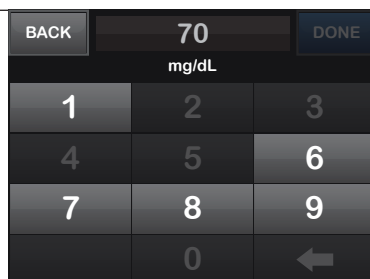
12. To set the Low Alert, tap **Low Alert**.



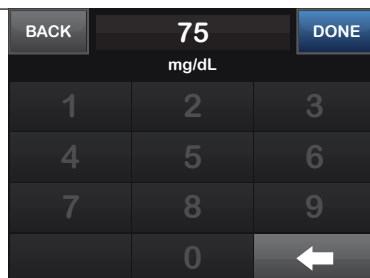
13. Tap Alert Me Below.



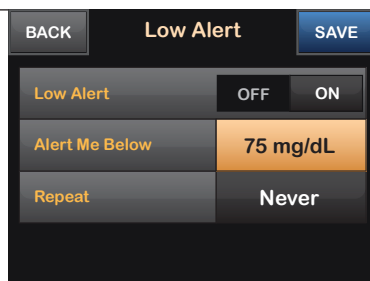
14. Using the on-screen keypad, enter the value below which you want to be notified.



15. Tap DONE.

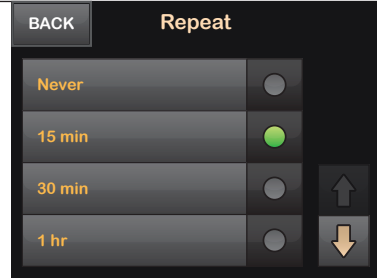


16. If you want the Low Alert to repeat, tap Repeat.



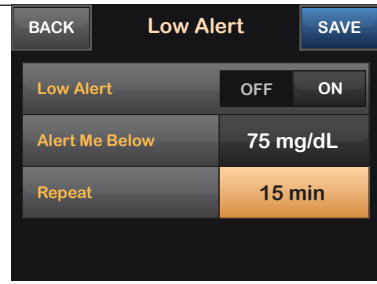
17. To select the repeat time, tap the time you want the alert to sound again. Use the up and down arrows to view all Repeat options.

✓ Once a value is selected, the pump will return to the previous screen.

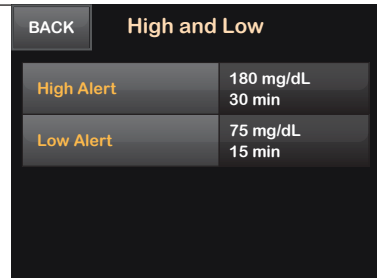


18. Tap **SAVE**.

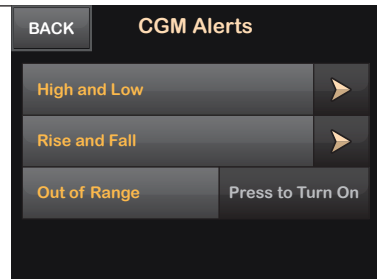
✓ The Setting Saved screen is displayed.



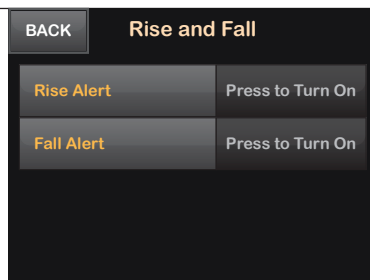
19. Tap **BACK** to get to the CGM Alerts menu.



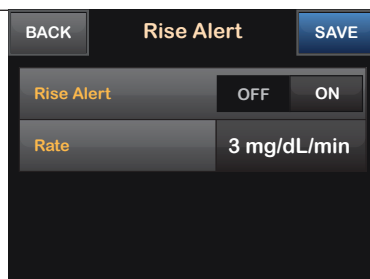
20. Tap Rise and Fall.



## 21. Tap Rise Alert.

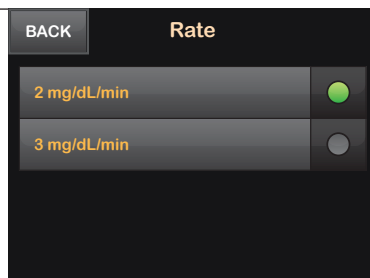


## 22. Tap Rate.



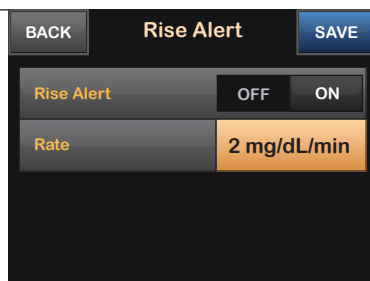
## 23. Select the rate of CGM rise you want to be notified of.

- ✓ Once a value is selected, the pump will return to the previous screen.

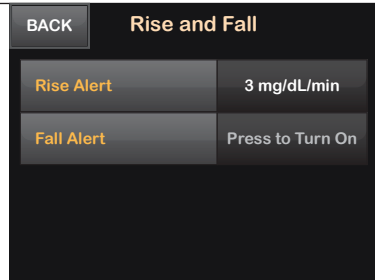


## 24. Tap SAVE.

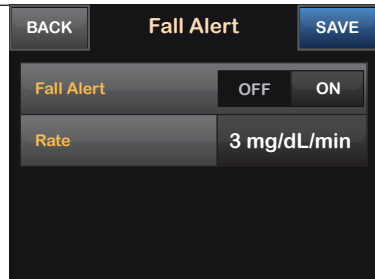
- ✓ The Setting Saved screen is displayed.



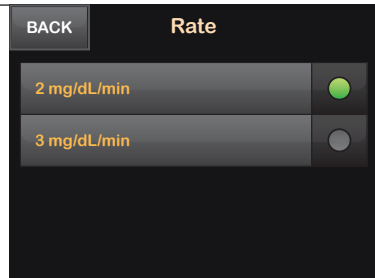
25. Tap Fall Alert.



26. Tap Rate.

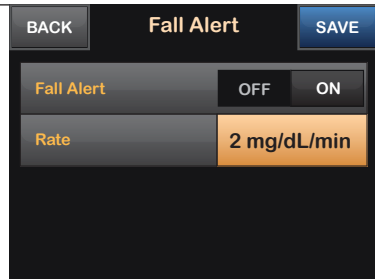


27. Select the rate of CGM fall you want to be notified of.

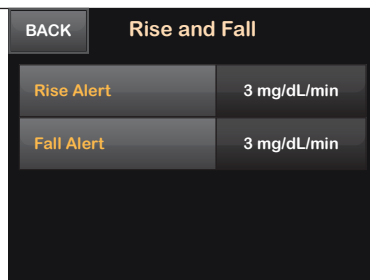


28. Tap SAVE.

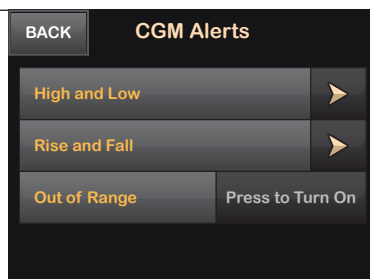
✓ The Setting Saved screen is displayed.



29. Tap **BACK** to get to the CGM Alerts menu.



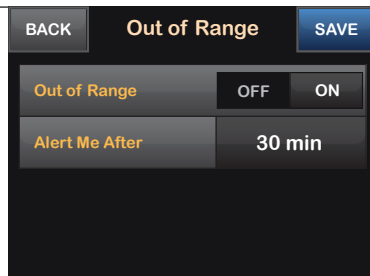
30. Tap **Out of Range**.



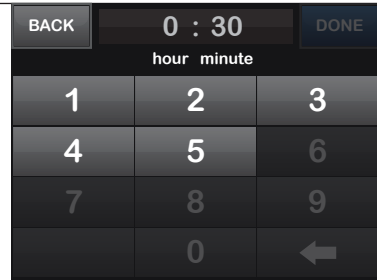
31. To change the time, Tap **Alert Me After**.

**⚠️ ALERT**

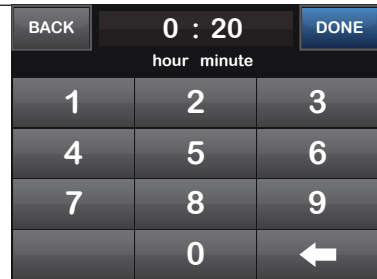
Your CGM is providing the data that Basal-IQ needs to make predictions to suspend insulin delivery. We recommend that you turn the CGM Out of Range Alert ON to notify you within 20-30 minutes if your CGM is disconnected from your pump.



32. Using the on-screen keypad, enter the time after which you want to be alerted.

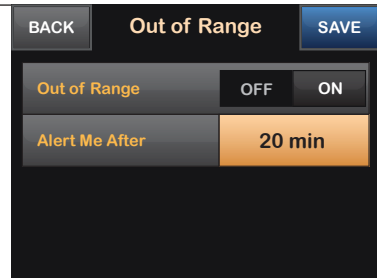


33. Tap **DONE**.



34. Tap **SAVE**.

- ✓ The Setting Saved screen is displayed.





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# Basal-IQ Technology

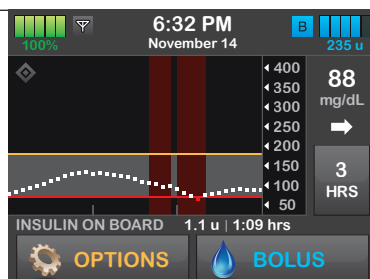
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## Basal-IQ Overview

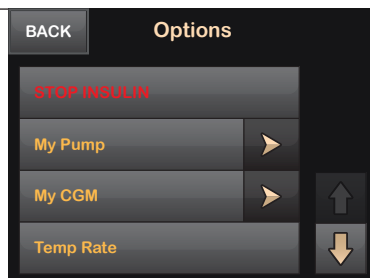
The Basal-IQ feature helps reduce the frequency and duration of low-glucose events by predicting glucose levels 30 minutes ahead and suspending insulin if they are expected to drop below 80 mg/dL. It will also suspend immediately if your glucose is 70 mg/dL or less. Insulin delivery resumes as soon as sensor glucose values begin to rise.

## Basal-IQ Settings

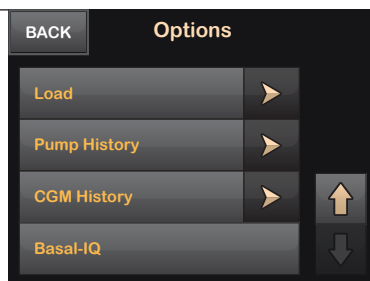
- From the Home Screen, tap **OPTIONS**.



- Tap Down Arrow.



- Tap Basal-IQ.



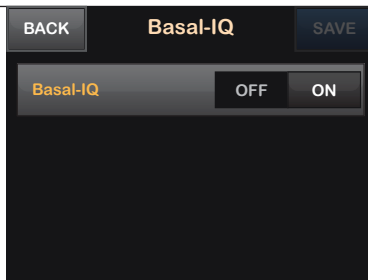
4. Tap **Basal-IQ** to turn the feature ON or OFF.

## NOTE

Basal-IQ is turned on by default.

## QUICK TIP

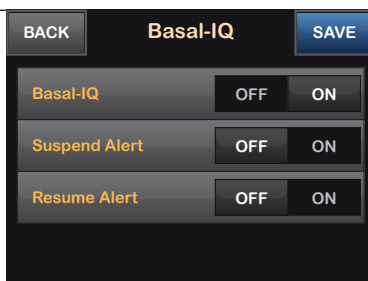
A CGM session must be currently running to turn on the Basal-IQ feature.



5. Tap **SAVE**.

- ✓ The Settings Saved screen is displayed.

6. Tap the **Tandem logo** on the face of the pump to return to the Home Screen.

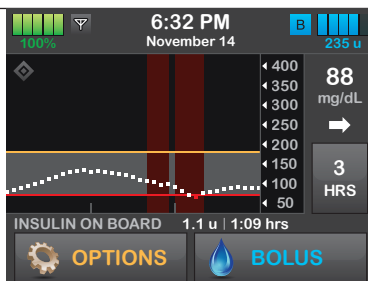


## Basal-IQ Alerts

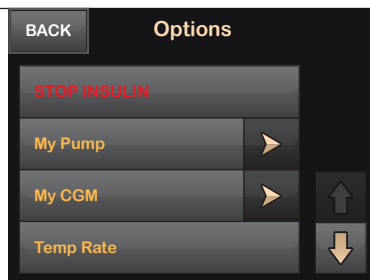
### NOTE

There are two optional Basal-IQ Alerts that you will see on the Basal-IQ menu. Turn these alerts on only if you want to be notified every time the System suspends or resumes insulin. Typically, no action will need to be taken when the Basal-IQ feature suspends or resumes insulin delivery. The CGM High and Low Alerts are independent of Basal-IQ Alerts and will alert you to take action when your CGM values are above or below your personal target.

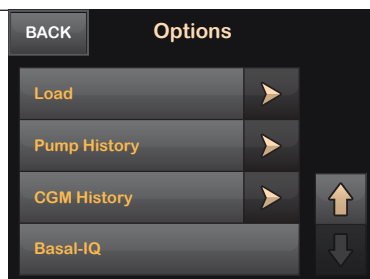
1. From the Home Screen, tap **OPTIONS**.



2. Tap Down Arrow.



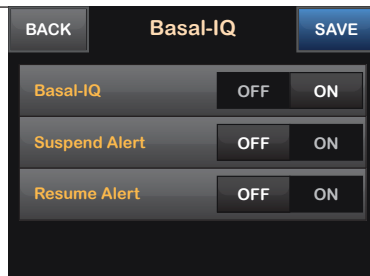
3. Tap Basal-IQ.



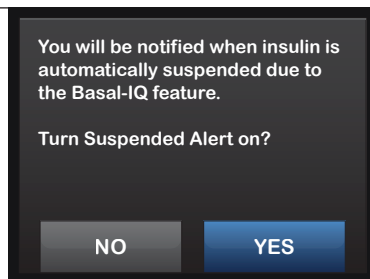
4. To turn on Suspend Alert, tap **Suspend Alert** and you will be notified when the Basal-IQ feature suspends insulin delivery.

**NOTE**

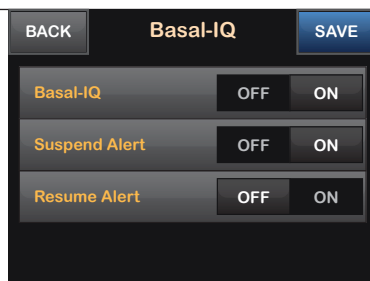
Basal-IQ Alerts are turned off by default.



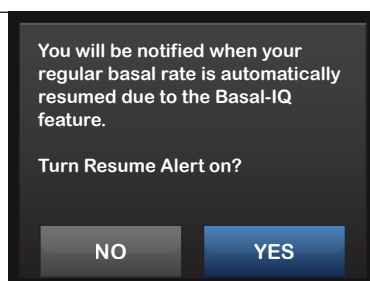
5. Tap YES.



6. To turn on Resume Alert, tap **Resume Alert** and you will be notified when Basal-IQ resumes insulin delivery.



7. Tap **YES**.



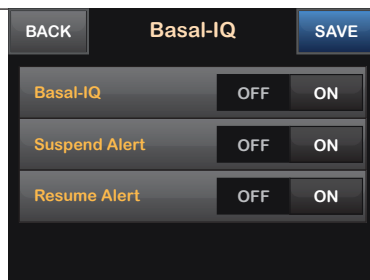
8. Tap **SAVE**.

✓ The Settings Saved screen is displayed.

9. Tap the **Tandem logo** on the face of the pump to return to the Home Screen.

### **NOTE**

Basal-IQ will suspend insulin if your glucose value is PREDICTED to be less than 80 mg/dL within 30 minutes. These values are not adjustable.



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Load

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**NOTE**

Before you begin, make sure you have the following items:

- » One unopened, disposable, sterile, single-use cartridge
- » One vial of room temperature, rapid-acting insulin
- » 3.0 mL syringe and fill needle, filled with the desired amount of insulin
- » Alcohol prep swab
- » One new infusion set

**QUICK TIP**

Avoid changing an infusion set before going to bed or if you will not be able to test your BG one to two hours after a new set is placed.

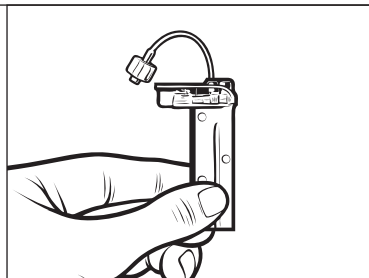
**NOTE**

Once in use, do not disconnect the connection between the cartridge tubing and the infusion set tubing. If the connection comes loose, disconnect the infusion set from the site on your body before tightening to avoid unintentional insulin delivery.

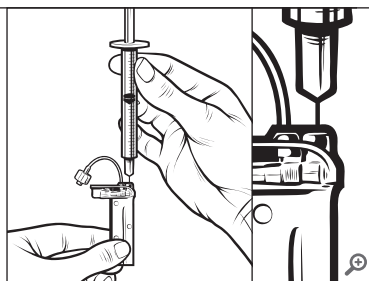
## Fill and Load a Cartridge

### *Fill the Cartridge:*

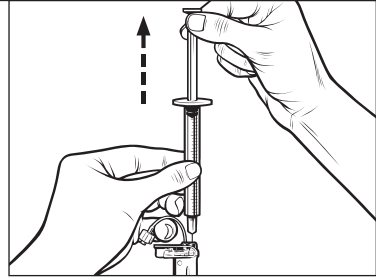
1. Remove a new cartridge from the pouch.



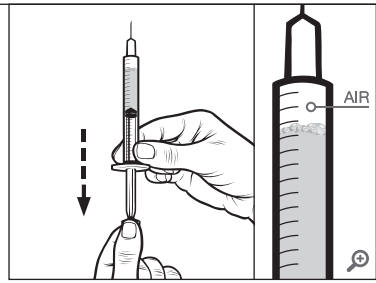
2. After filling the syringe with insulin, hold the cartridge upright and insert the needle of the filled syringe into the white fill port on top of the cartridge.



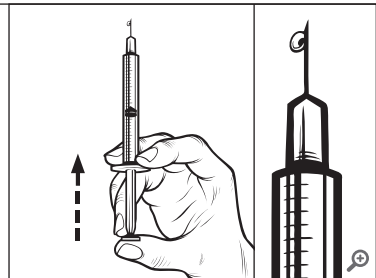
3. Keeping the syringe and cartridge vertical and the needle inside the fill port, pull back on the plunger to remove air.



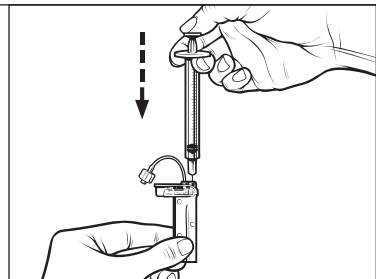
4. Turn the syringe upright and pull down on the plunger. Flick the barrel to make sure that any air bubbles rise to the top.



5. Remove the syringe from the cartridge and remove air by pressing on the plunger until you see a drop of insulin at the tip of the needle.

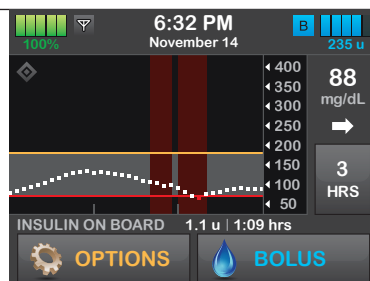


6. Reinsert the needle into the fill port on the cartridge, and slowly press the plunger to fill your cartridge with insulin. When the cartridge is filled, maintain pressure on the plunger as you remove the needle.

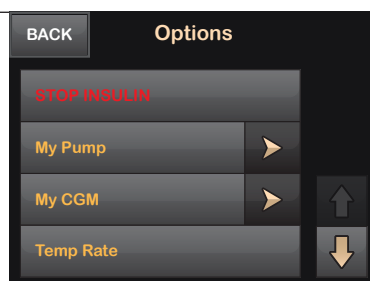


### Load the Cartridge:

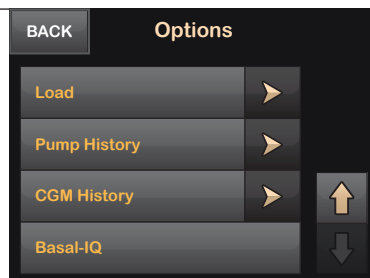
- From the Home Screen, tap **OPTIONS**.



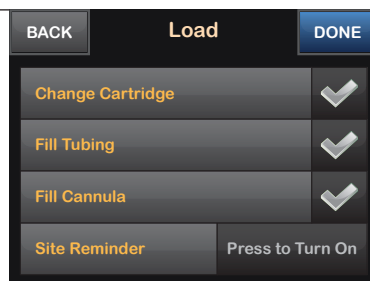
- Tap Down Arrow.



- Tap Load.



- Tap Change Cartridge.



5. A screen will display that all insulin deliveries will be stopped. Tap **YES**.

In order to change a cartridge, all insulin deliveries, including basal and any active bolus or temp rate will be stopped.

Continue?

NO

YES

6. Disconnect the infusion set from your body and tap **NEXT** to continue.

- ✓ The Preparing for Cartridge screen is displayed.

Disconnect the infusion set from your body and press **NEXT** to continue.

CLOSE

NEXT

7. Remove the used cartridge and install the filled cartridge. Tap **UNLOCK** when completed, then tap **NEXT** to continue.

### 🗨️ QUICK TIP

If needed, place the cartridge removal tool or the edge of a coin in the slot at the bottom of the cartridge and twist to aid in the removal of the cartridge.

### 📖 NOTE

To install a filled cartridge, place the bottom of the cartridge at the end of the pump, make sure it is lined up on the guide tracks, and push on the circular fill port to slide the cartridge until you feel it click into place.



Remove the cartridge and install a filled cartridge. Press the **UNLOCK** button when completed.



SCREEN IS LOCKED

8. Tap **NEXT**.

- ✓ The **DETECTING CARTRIDGE** screen is displayed, followed by the **CARTRIDGE CHANGED** screen.

**NOTE**

Always dispose of used components such as cartridges, syringes, needles, infusion sets, and CGM sensors following the instructions from your healthcare provider. Wash your hands thoroughly before and after handling System components.

Make sure the set is disconnected from your body and that the tubing is securely connected to the cartridge.

Press **NEXT** to fill your tubing with insulin.

**NEXT**

9. Tap **START**.

- ✓ The **Starting Fill** screen is displayed.

**NOTE**

The minimum amount of insulin required to fill tubing after a cartridge change is 10 units.

**Fill Tubing**

Fill Tubing

**START**

Amount Filled

0 u

10. Tap **STOP** once three drops of insulin are seen at the end of the tubing.

- ✓ The **Stopping Fill** screen is displayed.

**Fill Tubing**

Fill Tubing

**STOP**

Amount Filled

15.5 u

11. Verify that drops are seen and tap **DONE**.

If you see drops at the end of the tubing, press **DONE**. If no insulin drops are noticed, press **FILL** to continue filling.

Amount Filled: 15.5 u

**FILL**

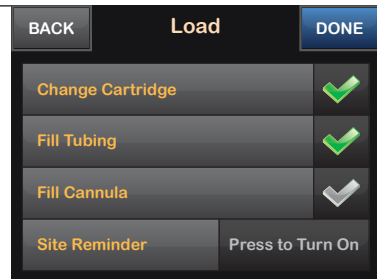
**DONE**

- Fill Tubing is complete. Ensure that there are no leaks from the tubing connections.

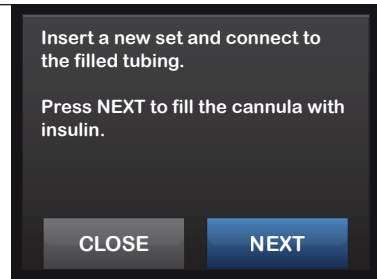
**NOTE**

Refer to your infusion set instructions for proper tubing fill amount.

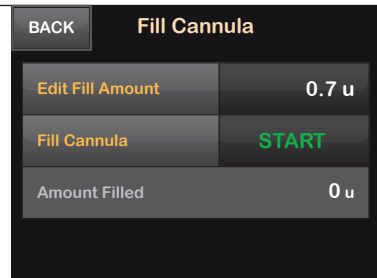
- Tap **Fill Cannula**.



- Insert a new infusion set and connect filled tubing to site, then tap **NEXT**.



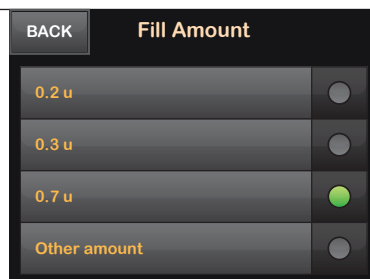
- Tap **Edit Fill Amount** if you want to change it. Otherwise, tap **START** and skip the next two steps.



16. Select amount needed for cannula fill.

**NOTE**

If the amount needed is not listed, tap Other Amount and use the on-screen keypad to enter a value between 0.1 to 1.0 units.



17. Tap **START**.

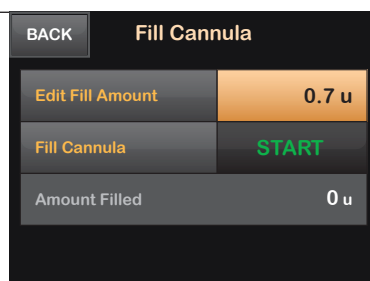
- ✓ The Starting Fill screen is displayed.
- ✓ After fill is complete, The Stopping Fill screen is displayed.

**QUICK TIP**

Avoid changing an infusion set before going to bed or if you will not be able to test your BG one to two hours after a new set is placed.

**QUICK TIP**

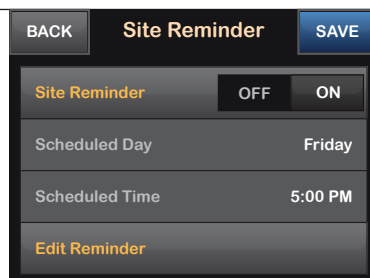
Refer to your infusion set instructions for proper insertion and cannula fill amount.



18. Review settings and tap **SAVE** if correct. Tap **Edit Reminder** if settings need to be changed.

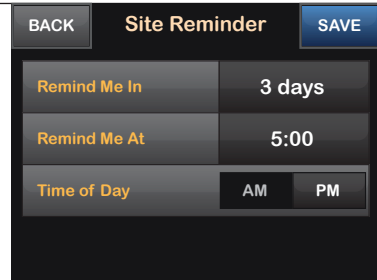
**NOTE**

Reminder is set to three days by default.

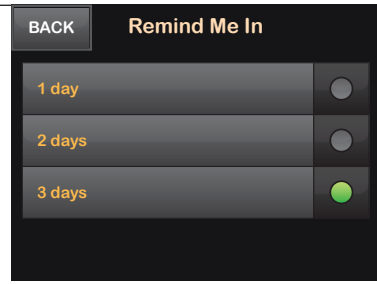


19. Tap Remind Me In.

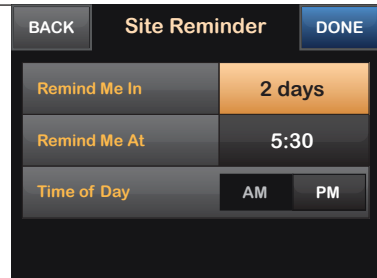
- ✓ The SETTINGS SAVED screen is displayed.



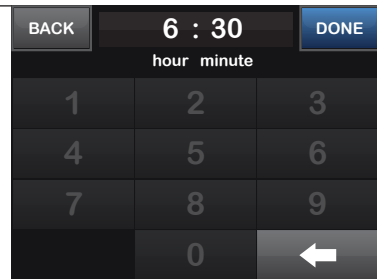
20. Select the number of days.



21. Tap Remind Me At.

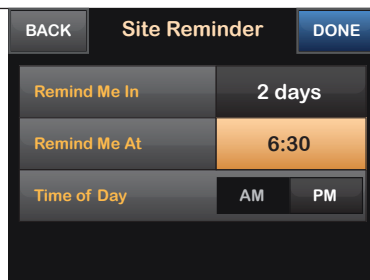


22. Use the on-screen keypad to enter time and tap **DONE**.





23. Tap **Time of Day** to change AM or PM. Tap **DONE**.

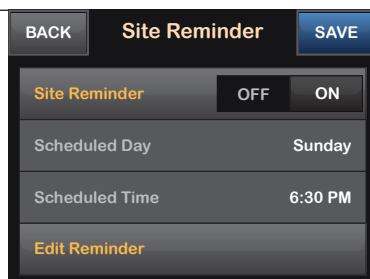


24. Verify Site Reminder is set correctly and tap **SAVE**.

- ✓ The **SETTINGS SAVED** screen is displayed.

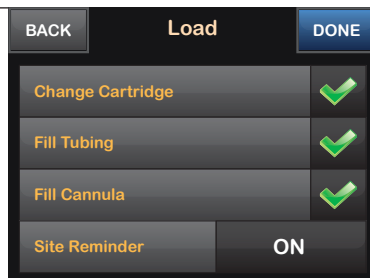
**NOTE**

- » The screen will return to the Load menu if the Site Reminder is turned OFF. Tap **DONE** to resume insulin if finished.
- » Or tap **Site Reminder** to set reminder.
- » If Site Reminder is ON, the pump will automatically display the Site Reminder screen.



25. Tap **DONE**.

- ✓ A reminder to test BG in one to two hours is displayed.

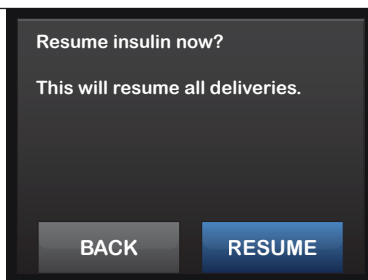


## 26. Tap RESUME.

- ✓ The RESUMING INSULIN screen is displayed.

### NOTE

If this is the first time using your t:slim X2 insulin pump with Basal-IQ technology and a personal profile has not been defined, a screen will notify you that a profile must be activated to resume insulin. Tap CLOSE.



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# Bolus

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## Bolus Overview

A bolus is a quick dose of insulin that is usually delivered to cover food eaten or an elevated BG.

After entering grams of carb or units of insulin needed for food, and/or entering a BG value, tap **View Calculation** to see how the delivery amount was calculated.

### NOTE

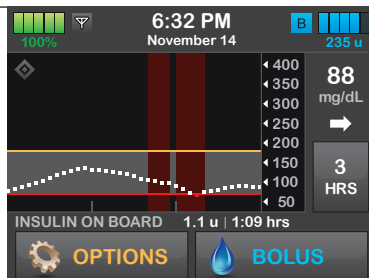
An Incomplete Bolus Alert will be displayed if bolus programming is not completed within 90 seconds.

### NOTE

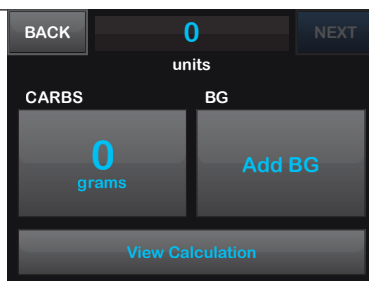
Turn off the pump screen by tapping the **Screen On/Quick Bolus** button. Position the screen away from the skin before placing the pump back in its case or in any pocket/clothing to prevent unintentional interactions with the touchscreen.

## Food Bolus Using Grams

- From the Home Screen, tap **BOLUS**.



- Tap **0 grams**.



- Using the on-screen keypad, enter grams of carbohydrate and tap **DONE**.

**NOTE**

- » To add multiple carb values, enter first value, then tap +/-, enter second value, tap +/- . Continue until done and then tap **TOTAL**.
- » To clear the value entered and start over, tap the **Back Arrow**.

BACK 38 DONE

grams

1	2	3
4	5	6
7	8	9
+ / =	0	←

- Tap **NEXT** to confirm the units of insulin to be delivered.

**NOTE**

Tap the displayed units calculated to override the amount.

**NOTE**

When administering a Food Bolus, it is recommended that you enter a BG value whenever possible.

BACK 3.8 units NEXT

CARBS BG

38 grams Add BG

View Calculation

- Tap **YES** to confirm request if entered data is correct.

Tap **NO** to go back to make changes or view calculations.

Confirm Request?

Carbs 38 g

BG NA

Units To Deliver 3.8 u

NO YES

- Tap **DELIVER**.

**NOTE**

If the Basal-IQ feature suspends insulin delivery during a Food Bolus, the remainder of the bolus **WILL** be delivered before all insulin delivery is stopped.

Deliver 3.8 u Bolus?

Correction NA

EXTENDED OFF ON

Food 3.8 u

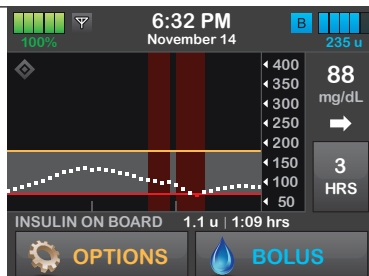
BACK DELIVER

## Food Bolus Using Units

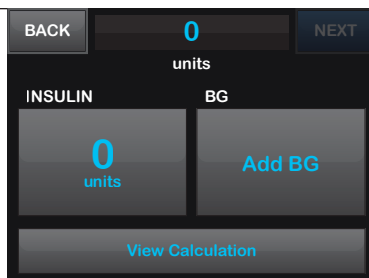
### NOTE

If bolusing using a carb ratio, refer to the previous section: Food Bolus Using Grams. Always confirm that the decimal point placement is correct.

- From the Home Screen, tap **BOLUS**.



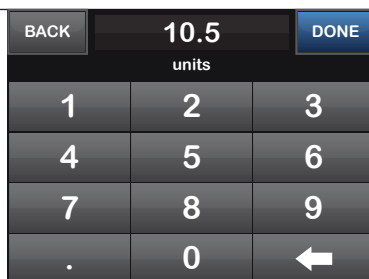
- Tap **0 units** on the left side of the screen.



- Using the on-screen keypad enter desired units of insulin. Tap **DONE**.

### ALERT

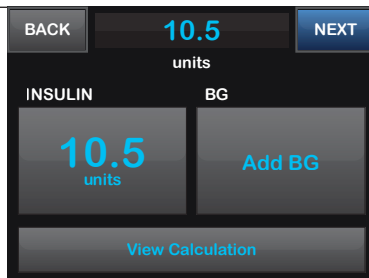
Always confirm that the decimal point placement is correct.



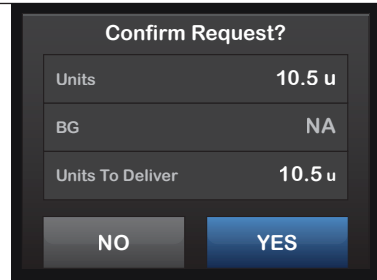
- Tap **NEXT** to confirm the units of insulin to be delivered.

### NOTE

When administering a Food Bolus, it is recommended that you enter a BG value whenever possible.



5. Tap **YES** to confirm request if entered data is correct. Tap **NO** to go back to make changes or view calculations.

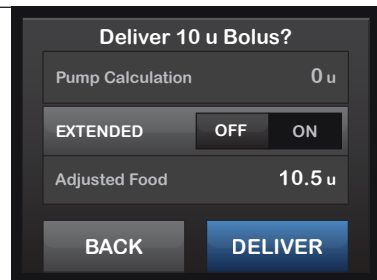


6. Tap **DELIVER**.

- ✓ The Bolus screen is displayed.

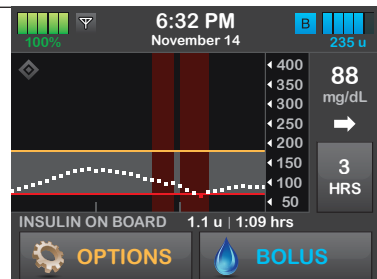
**NOTE**

If the Basal-IQ feature suspends insulin delivery during a Food Bolus, the remainder of the bolus WILL be delivered before all insulin delivery is stopped.

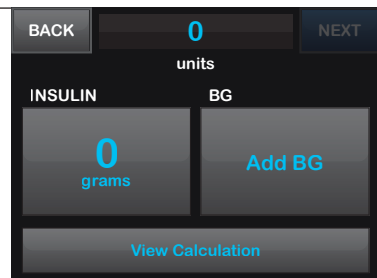


## Correction Bolus

1. From the Home Screen, tap **BOLUS**.



2. Tap **Add BG**.





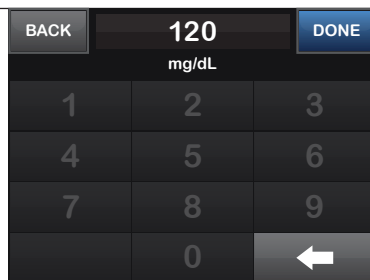
- Using the on-screen keypad, enter BG value and tap **DONE**. Alternatively, you can enter the current CGM value, then tap **DONE**.

**NOTE**

Once **DONE** is tapped, the BG value is saved in the pump history whether or not a bolus is delivered.

**NOTE**

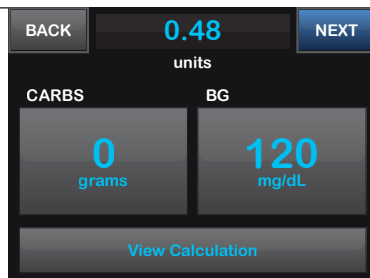
- » If BG is above Target BG, the pump offers to calculate and add a correction bolus.
- » If BG is below Target BG, a message screen advises to eat carbs and retest.
- » If BG is at Target BG, it will return to the Bolus screen with no recommended bolus amount for correction.



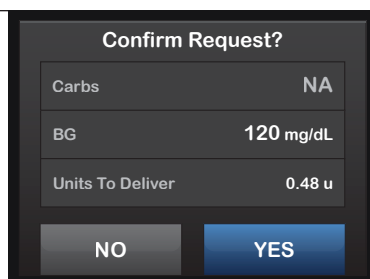
- Tap **NEXT** to confirm the units of insulin to be delivered.

**NOTE**

Tap the displayed units calculated to override the amount.



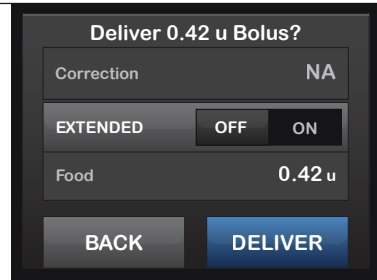
- Tap **YES** to confirm request if entered data is correct. Tap **NO** to go back to make changes or view calculations.



## 6. Tap DELIVER.

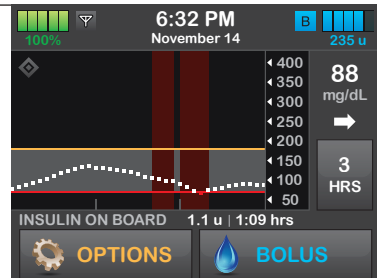
### NOTE

If the Basal-IQ feature suspends insulin delivery during a Food Bolus, the remainder of the bolus WILL be delivered before all insulin delivery is stopped.

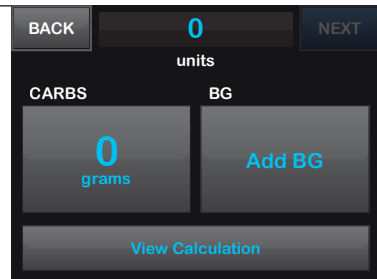


## Extended Bolus

### 1. From the Home Screen, tap BOLUS.



### 2. Tap 0 grams (or 0 units).



3. Using the on-screen keypad enter grams of carbohydrate (or units of insulin). Tap **DONE**.

The keypad shows the number 38 entered. The top row contains 'BACK', '38', and 'DONE'. Below this is a label 'grams'. The keypad has three columns: the first column contains '1', '4', '7', and '+ / ='; the second column contains '2', '5', '8', and '0'; the third column contains '3', '6', '9', and a left-pointing arrow.

4. If desired, tap **Add BG** and using the on-screen keypad enter BG value. Tap **DONE**.

The screen shows '38 grams' under the 'CARBS' label and 'Add BG' under the 'BG' label. The top row contains 'BACK', '3.8', and 'NEXT'. Below this is a label 'units'. At the bottom is a button labeled 'View Calculation'.

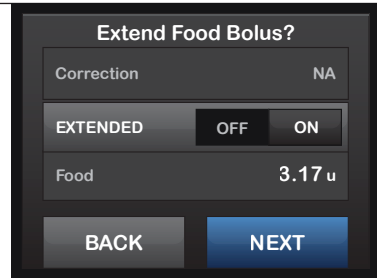
5. Tap **NEXT** to confirm the units of insulin to be delivered.

The screen shows '38 grams' under the 'CARBS' label and '100 mg/dL' under the 'BG' label. The top row contains 'BACK', '3.17', and 'NEXT'. Below this is a label 'units'. At the bottom is a button labeled 'View Calculation'.

6. Tap **YES** to confirm request if entered data is correct. Tap **NO** to go back to make changes or view calculations.

The dialog box is titled 'Confirm Request?'. It contains three rows of data: 'Carbs 38 g', 'BG 100 mg/dL', and 'Units To Deliver 3.17 u'. At the bottom are two buttons: 'NO' and 'YES'.

7. Tap **EXTENDED** to turn on the extended bolus, then tap **NEXT**.



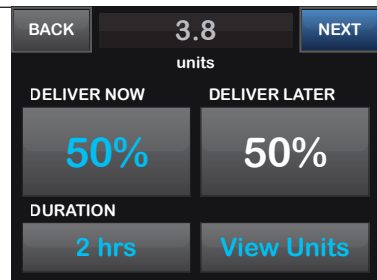
8. Tap **50%** under **DELIVER NOW** to adjust the percentage of the Food Bolus that is to be delivered immediately.

#### NOTE

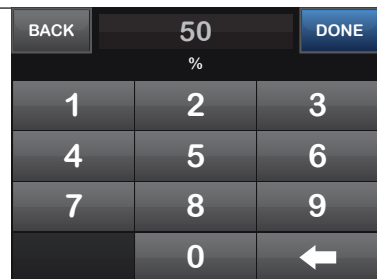
The percentage value for DELIVER LATER is automatically calculated by the pump. The default is 50% NOW and 50% LATER. The default for DURATION is two hours.

#### NOTE

A Correction Bolus will always be given in the DELIVER NOW portion.



9. Use the on-screen keypad to enter the percentage of the bolus to DELIVER NOW and tap **DONE**.



10. Tap 2 hrs under DURATION.

BACK 3.17 NEXT

units

DELIVER NOW DELIVER LATER

60% 40%

DURATION

2 hrs View Units

11. Use the on-screen keypad to adjust the length of time the bolus is to be delivered, then tap DONE.

BACK 3 : 30 DONE

hour minute

1	2	3
4	5	6
7	8	9
	0	←

12. Tap NEXT.

**NOTE**

Tap View Units to display the breakdown of units to be delivered now versus later.

BACK 3.17 NEXT

units

DELIVER NOW DELIVER LATER

60% 40%

DURATION

3:30 hrs View Units

13. Confirm request. Tap YES if entered data is correct. Tap NO to go back to make changes or view calculations.

Confirm Request?

Deliver Now	60%
Deliver Later	40%
Duration	3:30 hrs

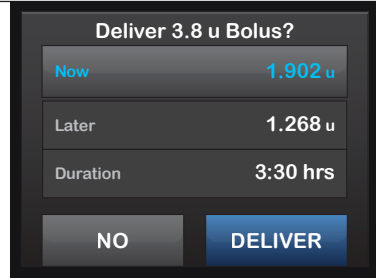
NO YES

14. Verify settings and tap **DELIVER**.

- ✓ The Bolus screen is displayed.

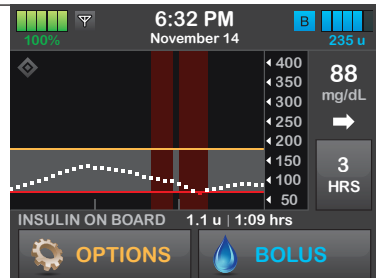
**NOTE**

If the Basal-IQ feature suspends insulin delivery during the extended portion of the bolus, the remainder of the Extended Bolus will be canceled.

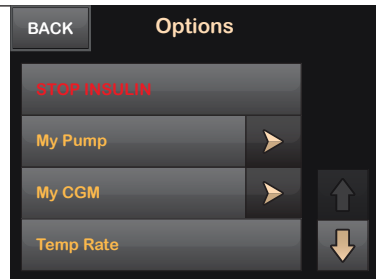


## Quick Bolus Setup

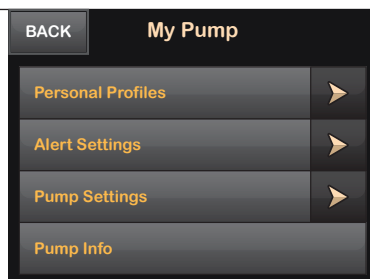
1. From the Home Screen, tap **OPTIONS**.



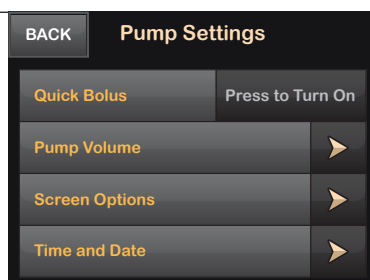
2. Tap My Pump.



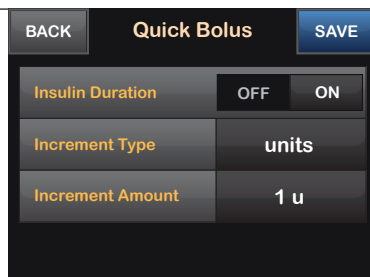
3. Tap Pump Settings.



4. Tap Quick Bolus to turn on.



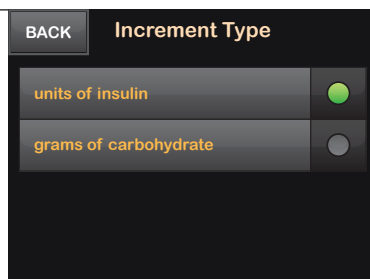
5. Tap Increment Type.



6. Tap units of insulin or grams of carbohydrate.

**NOTE**

The increment amount is added with each press of the Quick Bolus button when delivering a Quick Bolus.



## 7. Tap Increment Amount.

The screenshot shows the 'Quick Bolus' screen with a 'BACK' button on the left and a 'SAVE' button on the right. The 'Insulin Duration' is set to 'OFF'. The 'Increment Type' is set to 'units'. The 'Increment Amount' is set to '1 u'.

BACK	Quick Bolus	SAVE
Insulin Duration	OFF	ON
Increment Type	units	
Increment Amount	1 u	

Quick Bolus using units

The screenshot shows the 'Quick Bolus' screen with a 'BACK' button on the left and a 'SAVE' button on the right. The 'Insulin Duration' is set to 'OFF'. The 'Increment Type' is set to 'grams'. The 'Increment Amount' is set to '2 g'.

BACK	Quick Bolus	SAVE
Insulin Duration	OFF	ON
Increment Type	grams	
Increment Amount	2 g	

Quick Bolus using grams

## 8. Select the preferred increment amount.

The screenshot shows the 'Increment in Units' screen with a 'BACK' button on the left. There are four radio button options: '0.5 u', '1 u', '2 u', and '5 u'. The '1 u' option is selected, indicated by a green dot.

BACK	Increment in Units
0.5 u	<input type="radio"/>
1 u	<input checked="" type="radio"/>
2 u	<input type="radio"/>
5 u	<input type="radio"/>

Quick Bolus using units

The screenshot shows the 'Increment in Grams' screen with a 'BACK' button on the left. There are four radio button options: '2 g', '5 g', '10 g', and '15 g'. The '5 g' option is selected, indicated by a green dot.

BACK	Increment in Grams
2 g	<input type="radio"/>
5 g	<input checked="" type="radio"/>
10 g	<input type="radio"/>
15 g	<input type="radio"/>

Quick Bolus using grams



9. Verify settings and tap **SAVE**.

The screenshot shows the 'Quick Bolus' settings screen. At the top, there are 'BACK' and 'SAVE' buttons. Below them, there are three rows of settings: 'Insulin Duration' with 'OFF' and 'ON' options, 'Increment Type' set to 'units', and 'Increment Amount' set to '1 u'.

Quick Bolus using units

The screenshot shows the 'Quick Bolus' settings screen. At the top, there are 'BACK' and 'SAVE' buttons. Below them, there are three rows of settings: 'Insulin Duration' with 'OFF' and 'ON' options, 'Increment Type' set to 'grams', and 'Increment Amount' set to '5 g'.

Quick Bolus using grams

10. Confirm settings.

Tap **YES** if entered data is correct.

Tap **NO** to make changes.

11. Tap the **Tandem logo** on the face of the pump to return to the Home Screen.

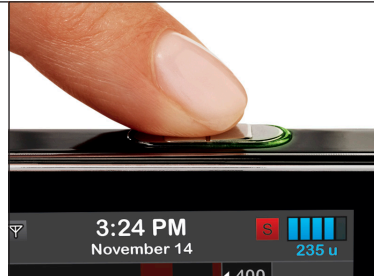
The screenshot shows a 'Confirm Settings?' dialog box. It contains three rows of settings: 'Quick Bolus' set to 'ON', 'Increment Type' set to 'Grams', and 'Increment Amount' set to '5 g'. At the bottom, there are two buttons: 'NO' and 'YES'.

## Quick Bolus

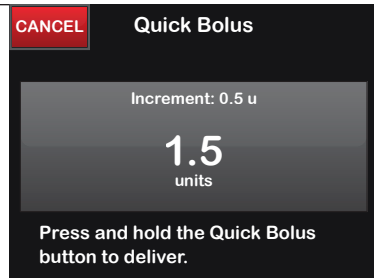
### ALERT

When you first use the Quick Bolus feature, you should always look at the screen to confirm correct programming until you are comfortable with this feature.

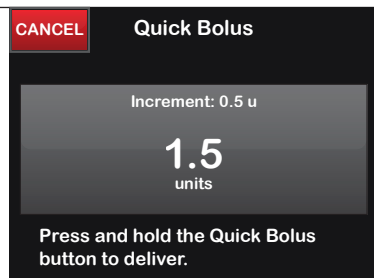
1. Press and hold **Quick Bolus** button for about two seconds. The Quick Bolus screen will appear. Listen for two beeps (if Pump Volume is set to beep) and feel for two vibrations.



2. Press **Quick Bolus** button for each increment until desired amount is reached. The pump will beep/vibrate for each button press.



3. Wait a few seconds for the pump to beep/vibrate back for each increment pressed to confirm desired amount.



4. After the beeps/vibrations, press and hold **Quick Bolus** button for about two seconds to deliver the bolus.

#### NOTE

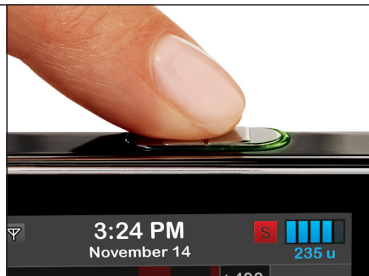
- » If more than 10 seconds have passed with no input, the Quick Bolus will be canceled and never delivered.
- » If you want to cancel the bolus and return to the Home Screen, tap **CANCEL** on the Quick Bolus screen.

#### NOTE

The t:slim X2 insulin pump will beep and vibrate during a Quick Bolus if a button volume is set. It will only vibrate if the vibrate option is selected.

#### NOTE

If the Basal-IQ feature suspends insulin delivery during a Quick Bolus, the remainder of the bolus will be delivered before all insulin delivery is stopped.



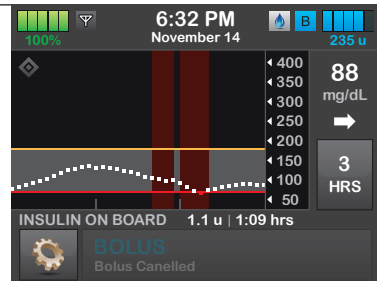
## Cancel or Stop a Bolus

If Delivery **HAS NOT** Started:

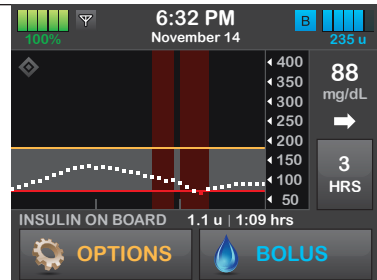
1. Tap the X to cancel the bolus.



2. The **BOLUS** option will remain inactive while a bolus is being canceled.

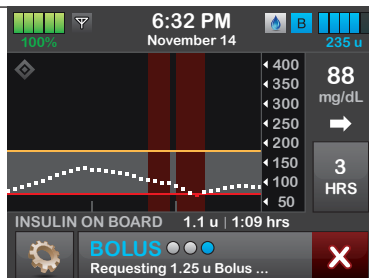


3. Once cancellation is complete, the **BOLUS** option will become active again on the Home Screen.



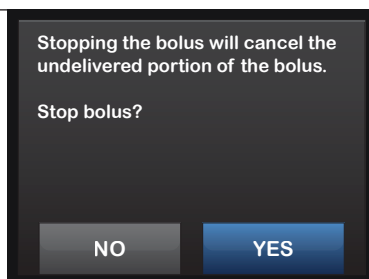
*If Delivery HAS Started:*

1. Tap the X to stop delivery.



2. Tap YES.

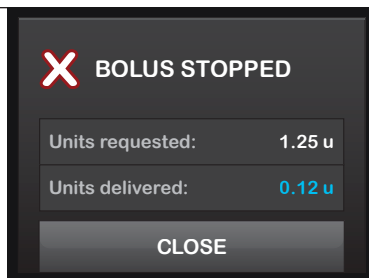
- ✓ The BOLUS STOPPED screen is displayed while the units delivered are calculated.



3. Units requested and delivered are shown. Tap CLOSE.

**NOTE**

When the Basal-IQ feature suspends insulin during bolus delivery, only remaining Extended Boluses will be canceled. Food Bolus (using units or carbs), Quick Bolus, and Correction Bolus delivery will be completed.



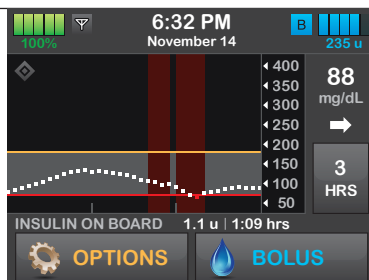
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# Pump Features

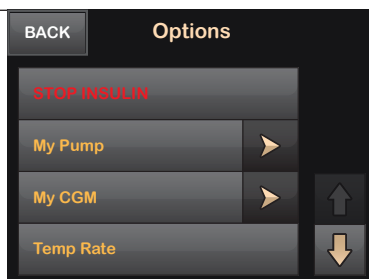
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## Stop and Resume Insulin Delivery

- From the Home Screen, tap **OPTIONS**.



- Tap **STOP INSULIN**.

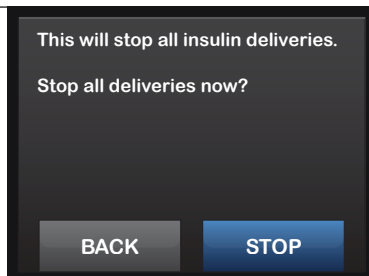


- Tap **STOP**.

- ✓ The All Deliveries Stopped screen is displayed before returning to the Home Screen.

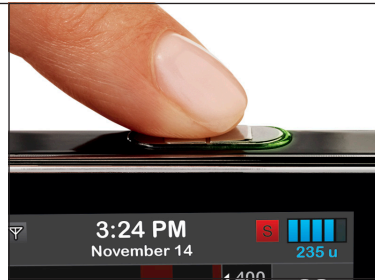
### **NOTE**

If insulin is stopped during an extended bolus, all remaining bolus insulin will be canceled.

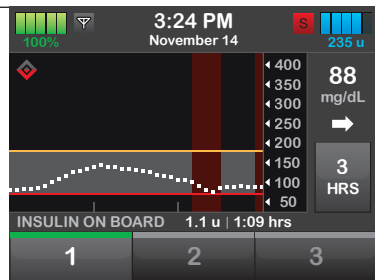


## To Resume Insulin Delivery:

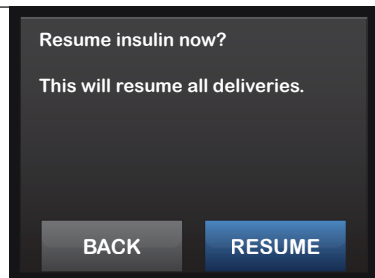
1. Press the **Screen On/Quick Bolus** button once and then unlock the screen.



2. Tap **1-2-3** to unlock the screen.



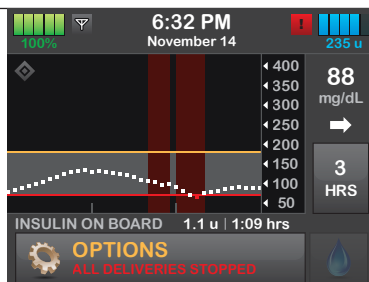
3. Tap **RESUME**.



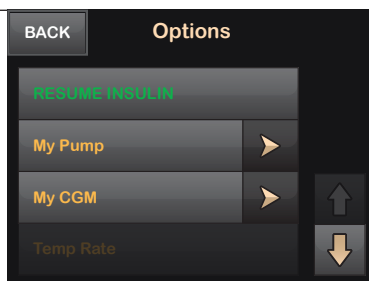


Or

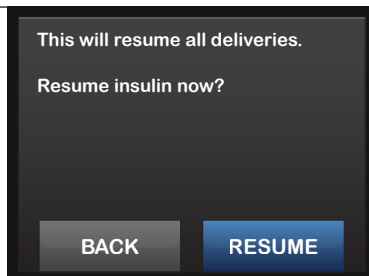
- From the Home Screen, tap **OPTIONS**.



- Tap **RESUME INSULIN**.

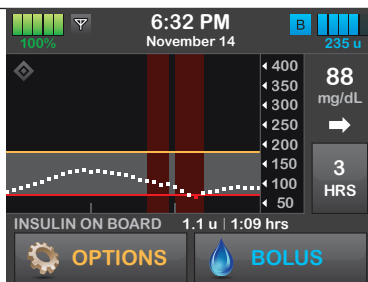


- Tap **RESUME**.

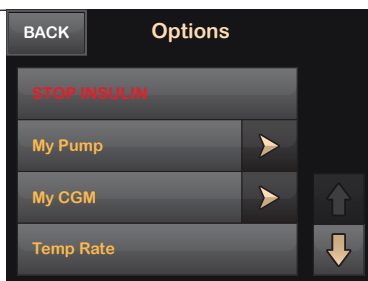


## Setting a Temp Rate

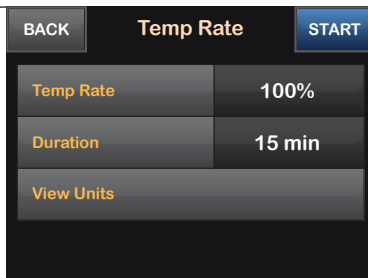
- From the Home Screen, tap **OPTIONS**.



- Tap **Temp Rate**.



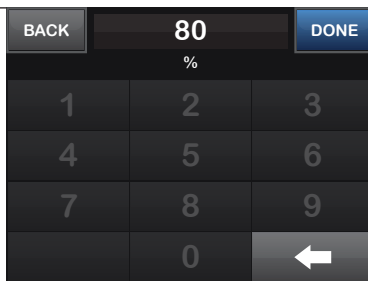
- Tap **Temp Rate** again.



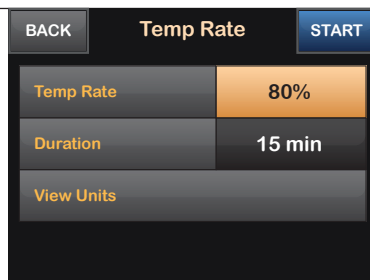
- Using the on-screen keypad enter desired percentage. Tap **DONE**.

### QUICK TIP

Current rate is 100%. An increase is greater than 100%, and a decrease is less than 100%.



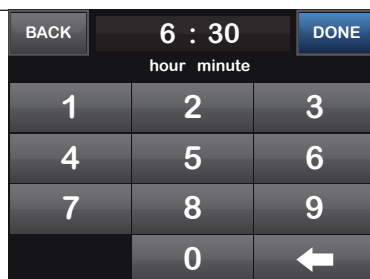
5. Tap Duration.



6. Using the on-screen keypad, enter desired length of time for Temp Rate. Tap DONE.

**NOTE**

Duration can be set from a minimum of 15 minutes to a maximum of 72 hours.

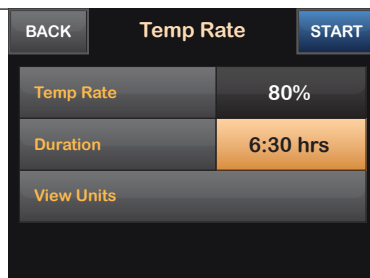


7. Verify settings and tap START.

- ✓ The TEMP RATE STARTED screen is displayed.

**NOTE**

Tap View Units to see the actual units to be delivered.



8. The Screen Lock screen will be displayed with the icon indicating a Temp Rate is active.

**NOTE**

If a Temp Rate is currently active, the status of insulin delivery displays T in an orange square. If a Temp Rate of 0% is currently active, the status of insulin delivery displays T in a red square.

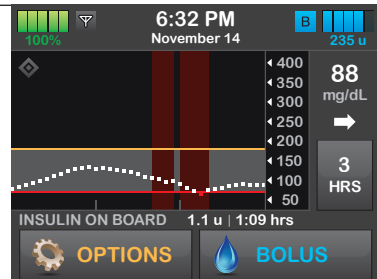


## NOTE

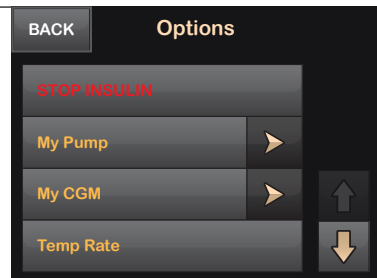
To stop Temp Rate at any time, tap **OPTIONS**, tap **X**. Confirm message will be displayed. Tap **STOP**.

## Pump History

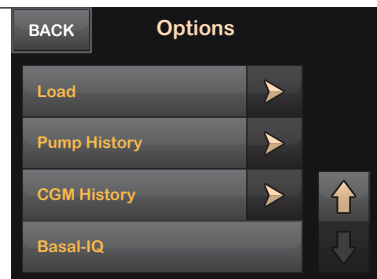
1. From the Home Screen, tap **OPTIONS**.



2. Tap the Down Arrow.



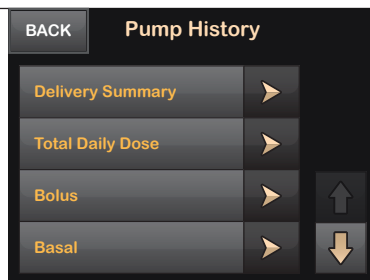
3. Tap Pump History.



4. Tap desired option.
5. Tap the **Tandem logo** on the face of the pump to return to the Home Screen.

 **QUICK TIP**

- » Delivery Summary breaks down total insulin delivery by basal and bolus types, into units and percentages. It can be viewed by the selected time period of Today, 7 Day, 14 Day, and 30 Day Average.
- » Bolus, Basal, Load, BG, Alerts and Alarms, and Complete are categorized by date. The event details in each report are listed by time.



## Reminders and Alerts

The t:slim X2 insulin pump with Basal-IQ technology has customizable reminders:

- **Low BG** – notifies you to retest your BG after a low BG value is entered.
- **High BG** – notifies you to retest your BG after a high BG value is entered.
- **After Bolus BG** – notifies you to test your BG a selected time period after a bolus has been delivered.
- **Missed Meal Bolus** – notifies you of a possible Missed Meal Bolus based on the time period selected.
- **Site Reminder** – notifies you that it's time to change your site.

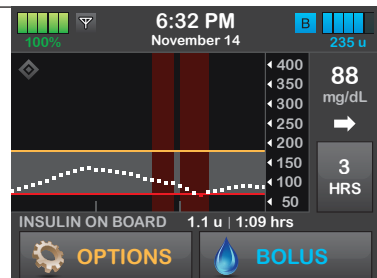
Reminders sound with a series of three-step tones at the volume/vibration selected in Pump Volume settings. They repeat at regular intervals until acknowledged.

The t:slim X2 insulin pump with Basal-IQ technology has two customizable alerts:

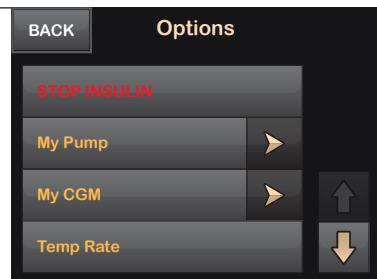
- **Low Insulin** – alerts when insulin in the cartridge reaches the set low amount (10-40 units).
- **Auto-Off** – alerts if no pump activity has occurred within the set time period (5-24 hrs).

Alerts sound with two series of three-step tones at the volume/vibration selected in Pump Volume Settings. They repeat at regular intervals until acknowledged.

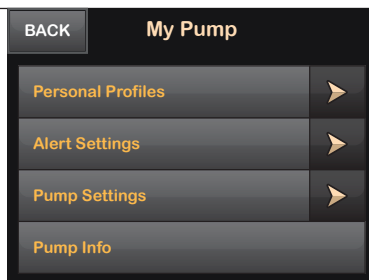
1. From the Home Screen, tap **OPTIONS**.



2. Tap My Pump.

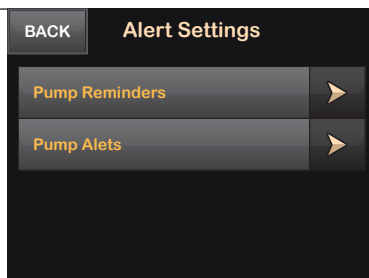


3. Tap Alert Settings.

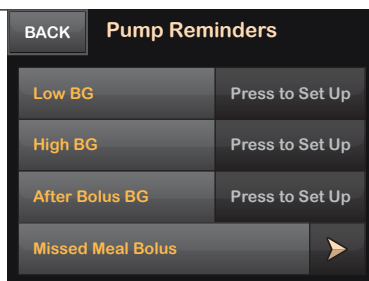


*For Reminders:*

1. Tap Pump Reminders.

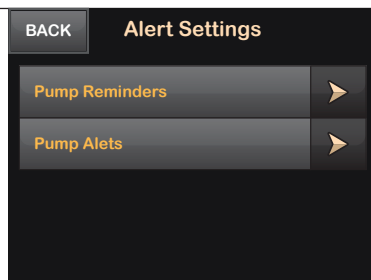


2. Tap desired option and complete setup.

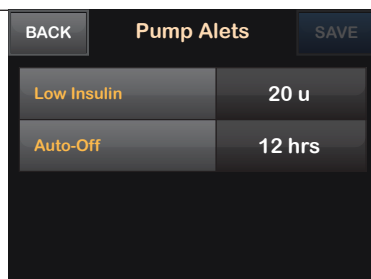


## For Alerts:

1. Tap Pump Alerts.



2. Tap desired option and complete setup.



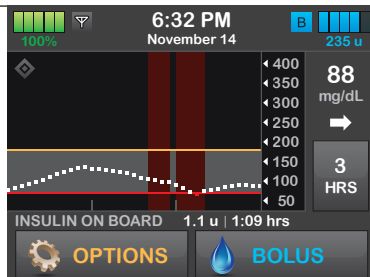


## Pump Volume and Screen Options

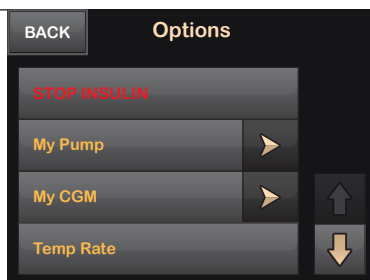
Pump volume can be personalized for Button taps, Quick Bolus, Bolus, Reminders, Alerts, and Alarms. Options for Pump Volume include high, medium, low, and vibrate.

Screen Options allow for personalization of the Screen Timeout and Feature Lock.

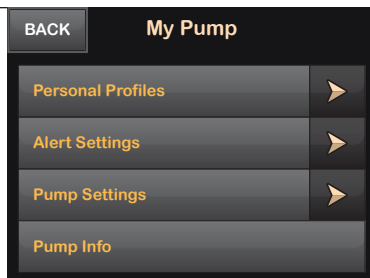
1. From the Home Screen, tap **OPTIONS**.



2. Tap **My Pump**.

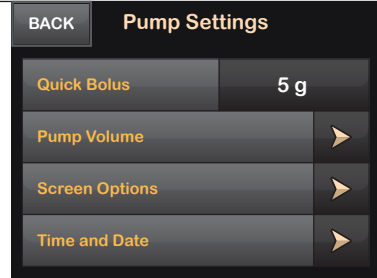


3. Tap **Pump Settings**.

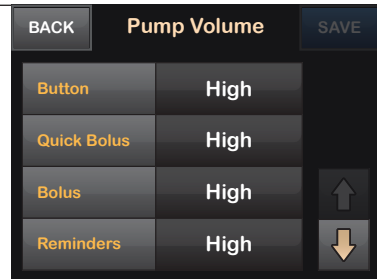


## For Volume Options:

1. Tap Pump Volume.

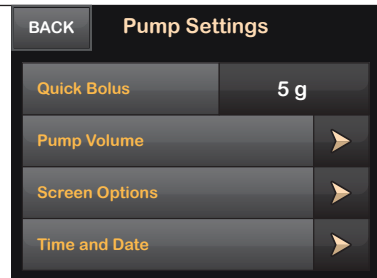


2. Tap desired function and desired option.

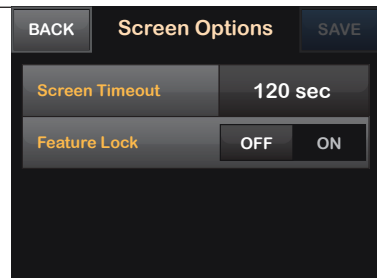


## For Screen Options:

1. Tap Screen Options.



2. Tap desired option to complete setup.



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# Alerts and Technical Support

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## Alerts

The t:slim X2 insulin pump will sound or vibrate for some of the following reasons:

- Low Power
- Incomplete Bolus
- Incomplete: Cartridge Load, Cannula Fill, Tubing Fill
- Incomplete Setting
- Incomplete Temp Rate
- Max Bolus
- Max Hourly Bolus
- Max Basal
- Low Insulin

Alerts sound with two series of three step tones at the volume/vibrate setting selected in Pump Volume. They repeat at regular intervals until acknowledged. Alerts do not escalate.

## Alarms

The t:slim X2 insulin pump alarms are preset and trigger automatically. Some of these alarms include:

- Resume Pump
- Shutdown
- Empty Cartridge
- Cartridge Error
- Occlusion
- Auto-Off (user settable)

Alarms are for potential interruption of insulin delivery.

Alarms sound with three series of three step tones at the volume/vibrate setting selected in Pump Volume. If not acknowledged, alarms escalate to highest volume and vibration. Alarms repeat at regular intervals until the condition that caused the alarm is resolved.

## Malfunction

Malfunction alarms are preset and triggered automatically.

Malfunction alarms indicate the need to call Tandem Diabetes Care Customer Technical Support for troubleshooting.

Malfunctions sound with three series of four step tones at the highest volume and vibration. They repeat at regular intervals until acknowledged. Malfunctions cannot be resolved.

## Hazards

Keep small parts away from children.

Avoid exposing your System to electromagnetic radiation or magnetic resonance imaging (MRI).

Supervise children and use the feature lock to avoid accidental insulin delivery.

Carry a backup plan and supplies at all times for use in the event of an unexpected interruption in insulin delivery.

## Customer Technical Support

Customer Technical Support is available 24 hours a day, seven days a week at (877) 801-6901.

### *Website Support*

Visit [www.tandemdiabetes.com](http://www.tandemdiabetes.com) for more information about the t:slim X2 insulin pump with Basal-IQ technology and its features. Training documents, videos, and online modules can also be found on our website.

### QUICK TIP

The Customer Technical Support phone number, pump serial number and warranty information can be found on the t:slim X2 insulin pump with Basal-IQ technology by tapping OPTIONS, then My Pump, then Pump Information.





11075 Roselle Street • San Diego, California 92121

Phone: (877) 801-6901

[www.tandemdiabetes.com](http://www.tandemdiabetes.com)

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