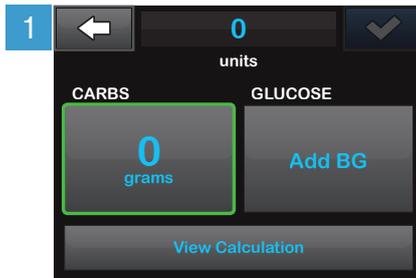# Bolus

The instructions below are provided as an additional quick reference, following **t:slim X2™ Insulin Pump** training. Not all screens are shown. For more detailed information on the operation of t:slim X2™ Insulin Pump, please visit: www.airliquidehealthcare.co.uk/diabetes-support
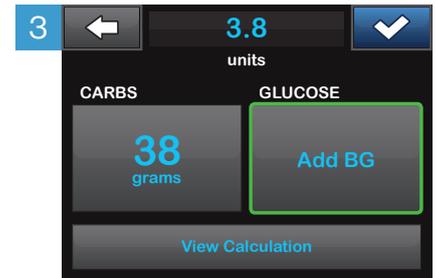
1

← 0 ✓
units
CARBS · GLUCOSE
0 grams · Add BG
View Calculation

Tap **0 Grams** to enter the carbs for your bolus.

NOTE: If this reads "units," the carb feature is turned off in the active profile.

2

← Enter Carbs ✓
grams
1 2 3
4 5 6
7 8 9
+ / = 0 ←

Enter desired value. Be sure 'grams' is displayed above keypad for food boluses.

Tap ✓ to continue.

3

← 3.8 ✓
units
CARBS · GLUCOSE
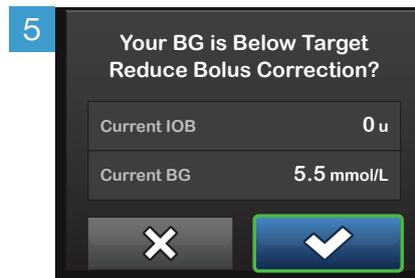38 grams · Add BG
View Calculation

Tap **Add BG** to enter your blood glucose (BG).

NOTE: If you have a CGM session active, and if there is both a CGM value and a CGM trend arrow available on the CGM Home Screen, your glucose value is autopopulated in the GLUCOSE field.
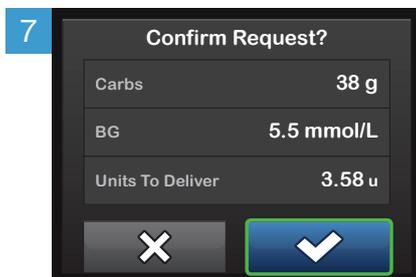
4

← Enter BG ✓
mmol/L
1 2 3
4 5 6
7 8 9
0 ←

Enter desired value. Be sure 'mmol/L' is displayed above keypad when entering BG values.

5

Your BG is Below Target Reduce Bolus Correction?
Current IOB · 0 u
Current BG · 5.5 mmol/L
✗ ✓

If a BG is entered that is below the target, but above or 3.9 mmol/L, you will be offered the option to reduce the bolus amount. To accept that reduction tap ✓; otherwise, tap ✗.

6

← 3.58 ✓
units
CARBS · GLUCOSE
38 grams · 5.5 mmol/L
View Calculation

Tap ✓ to continue. Tap the calculated units value to manually adjust recommended dose.

7

Confirm Request?
Carbs · 38 g
BG · 5.5 mmol/L
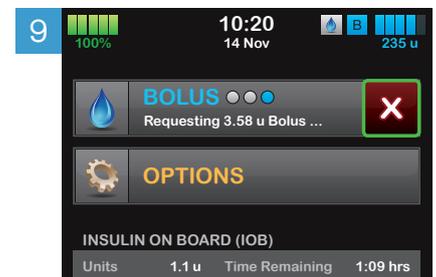Units To Deliver · 3.58 u
✗ ✓

Verify the dose and tap ✓ to confirm.

NOTE: Calculations above are based on preset insulin-to-carb ratios and correction factors, which may be set in Personal Profiles.

8

Deliver 3.58 u Bolus?
Pump Calculation · 0 u
EXTENDED · ⊖
Requested Food · 3.58 u
✗ ✓
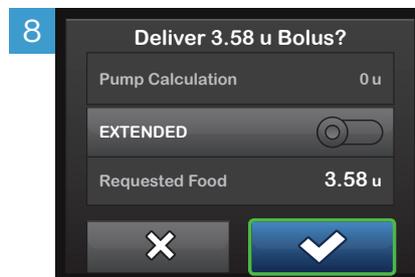
Tap ✓ to deliver the food bolus immediately.

The BOLUS INITIATED screen will appear to confirm delivery has started.

9

100% · 10:20 14 Nov · 235 u
💧 **BOLUS** ○○○ · Requesting 3.58 u Bolus ... · ✗
⚙ **OPTIONS**
INSULIN ON BOARD (IOB)
Units 1.1 u · Time Remaining 1:09 hrs

To cancel the undelivered portion of the bolus, tap the **white X** next to **BOLUS** on the Home Screen, then tap ✓ to confirm canceled bolus.
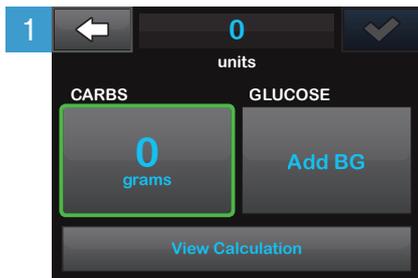
For further information please contact us:
www.airliquidehealthcare.co.uk/diabetes-service
t: **0800 012 1560** e: **diabetes.info@airliquide.com**

Extended Bolus

The instructions below are provided as an additional quick reference, following **t:slim X2™ Insulin Pump** training. Not all screens are shown. For more detailed information on the operation of t:slim X2™ Insulin Pump, please visit: www.airliquidehealthcare.co.uk/diabetes-support
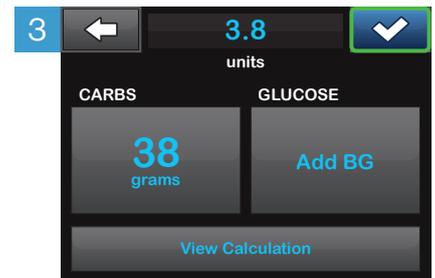
1

Tap **0 Grams** to enter the carbs for your bolus.

NOTE: If this reads 'units', the carb feature is turned off in the active profile.

2

Enter desired value. Be sure 'grams' is displayed above keypad for food boluses.

Tap ☑ to continue.

**3**

Tap ☑ to continue, then tap ☑ to confirm.

NOTE: If an above-target blood glucose (BG) is entered, the correction bolus will not be extended.

NOTE: If you have a CGM session active, and if there is both a CGM value and a CGM trend arrow available on the CGM Home Screen, your glucose value is autopopulated in the GLUCOSE field.
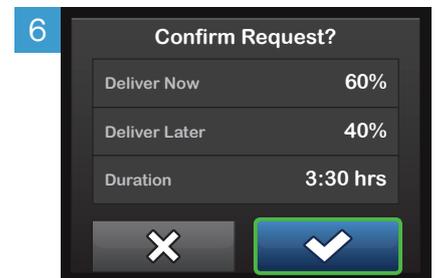
4
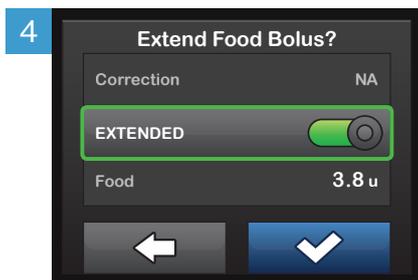
Tap **EXTENDED** to toggle the extended bolus feature on or off.
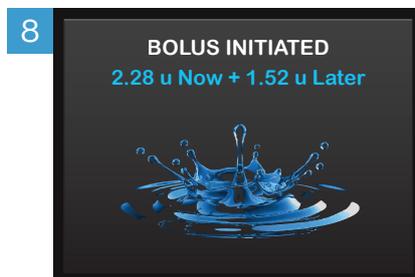
Tap ☑ to continue.

5
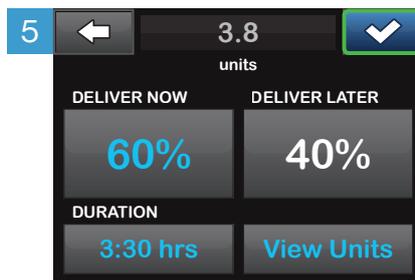
Tap ☑ to use default settings or tap **DELIVER NOW** and **DURATION** and set your desired values, then tap ☑ to continue.

6

Tap ☑ to confirm.

7

The delivery screen will confirm how much insulin will be delivered up front, how much will be delivered over time, and the delivery duration. Tap ☑ to start the bolus.

8

The **BOLUS INITIATED** screen will appear to confirm delivery has started.

9

To cancel the undelivered portion of the bolus, tap the **white X** next to **BOLUS** on the Home Screen, then tap ☑ to confirm canceled bolus.

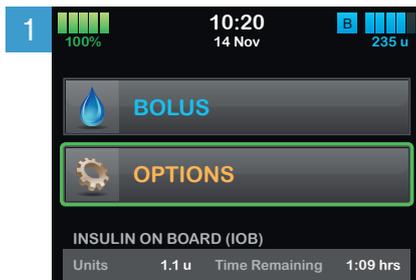For further information please contact us:
www.airliquidehealthcare.co.uk/diabetes-service
t: **0800 012 1560** e: **diabetes.info@airliquide.com**

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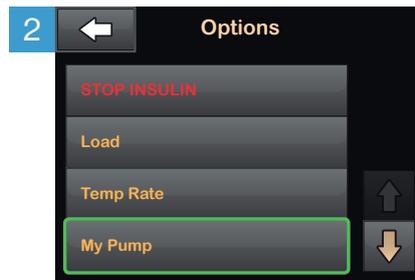
Air Liquide HEALTHCARE

Personal Profiles

The instructions below are provided as an additional quick reference, following **t:slim X2**™ **Insulin Pump** training. Not all screens are shown. For more detailed information on the operation of t:slim X2™ Insulin Pump, please visit: www.airliquidehealthcare.co.uk/diabetes-support
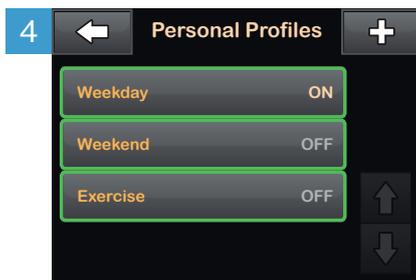
1

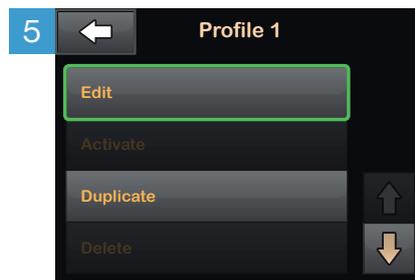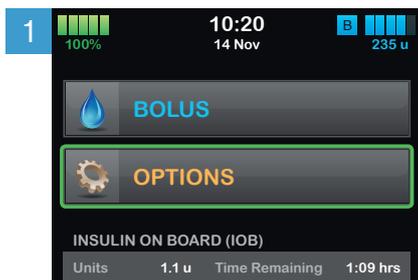|	10:20	B
100%	14 Nov	235 u

💧 **BOLUS**

⚙ **OPTIONS**

INSULIN ON BOARD (IOB)
Units 1.1 u   Time Remaining 1:09 hrs

Tap **OPTIONS**.

2 ← **Options**

STOP INSULIN

Load

Temp Rate

My Pump

Tap **My Pump**.

3 ← **My Pump**

Personal Profiles

Alerts & Reminders

Pump Settings

Pump Info

Tap **Personal Profiles**.

4 ← **Personal Profiles** +

Weekday	ON
Weekend	OFF
Exercise	OFF

Tap the name of the Personal Profile to view or edit.

5 ← **Profile 1**

Edit

Activate

Duplicate

Delete

Tap **Edit** to edit or view your settings.

6 ← **Profile 1**

Timed Settings 09:00 - 13:00

0.75	1:2.8	1:10	6.7
BASAL	CORRECT	CARB	TARGET BG

Bolus Settings

6 hrs	12 u	ON
DURATION	MAX BOLUS	CARBS

Tap your current settings to see the other segments of your day.

7 ← **Timed Settings** +

00:00
0.60	1:2.5	1:15	6.1
BASAL	CORRECT	CARB	TARGET BG

03:00
0.70	1:3.9	1:15	7.8
BASAL	CORRECT	CARB	TARGET BG

07:30
0.65	1:2.8	1:13	7.8
BASAL	CORRECT	CARB	TARGET BG

Tap the time segment you wish to edit.

If not all segments are visible, tap the **Down Arrow**.

8 ← **10:20** ✓

Basal	0.75 u/hr
Correction Factor	1u: 2.8 mmol/L
Carb Ratio	1u: 10 g
Target BG	6.7 mmol/L

Tap **Basal**, **Correction Factor**, Carb Ratio, or Target BG to make changes, then tap ✓.

When you are finished, tap ✓.

9 **Confirm Settings?**

Basal	0.75 u/hr
Correction Factor	1u: 2.8 mmol/L
Carb Ratio	1u: 10g
Target BG	6.7 mmol/L

✗ ✓

Confirm settings. Recent changes appear in orange.

Tap ✓ to confirm.

Stop and Resume Insulin Delivery

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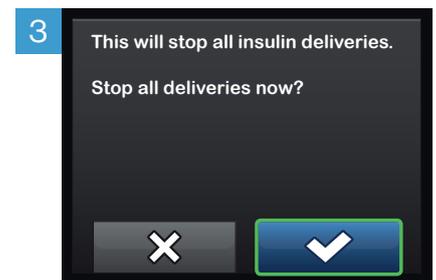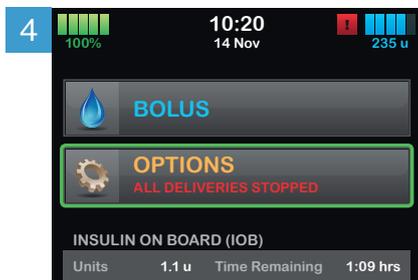
✕ Stop Insulin Delivery

1

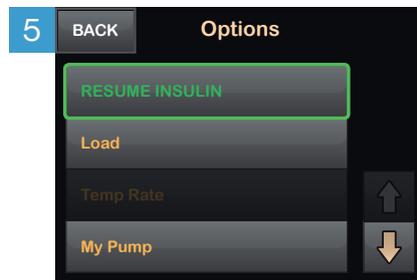| 10:20 14 Nov | B | 235 u |
| 100% | | |

BOLUS

OPTIONS

INSULIN ON BOARD (IOB)
Units 1.1 u Time Remaining 1:09 hrs

Tap **OPTIONS**.

2

Options

STOP INSULIN

Load

Temp Rate

My Pump

Tap **STOP INSULIN**.

3

This will stop all insulin deliveries.

Stop all deliveries now?

✕ ✓

Tap ✓.

✓ Resume Insulin Delivery

4

| 10:20 14 Nov | | 235 u |
| 100% | | |

BOLUS

OPTIONS
ALL DELIVERIES STOPPED

INSULIN ON BOARD (IOB)
Units 1.1 u Time Remaining 1:09 hrs

Tap **OPTIONS**.

5

BACK Options

RESUME INSULIN

Load

Temp Rate

My Pump

Tap **RESUME INSULIN**.

6

This will resume all deliveries.

Resume insulin now?

✕ ✓
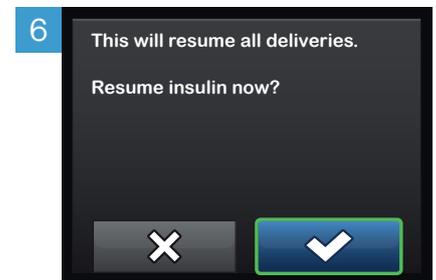
Confirm by tapping ✓.

NOTE: Any temp rates or boluses active before you stopped delivery will not resume. It will resume your active personal profile.
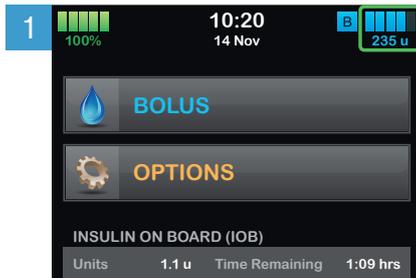
For further information please contact us:
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t: **0800 012 1560** e: **diabetes.info@airliquide.com**

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Air Liquide HEALTHCARE

View Status

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1

100%	10:20 14 Nov	B 235 u

💧 **BOLUS**

⚙ **OPTIONS**

INSULIN ON BOARD (IOB)
| Units | 1.1 u | Time Remaining | 1:09 hrs |

Tap the insulin level icon in the upper right corner of the Home Screen.

2 ← **Current Status**

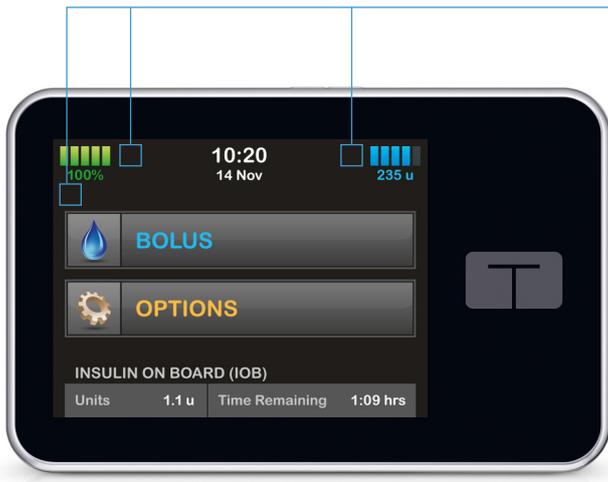| P | Weekday | |
B	Basal Rate	0.625 u/hr
💧	Last Bolus	3 u 14/11 - 11:55
◆	Basal-IQ	ON

Your t:slim X2 Pump will display the name of your active profile, your current basal rate, the time and amount of your last bolus, and whether or not you are entering boluses based on carbohydrates.

If you have an active Extended Bolus, this screen will show how much insulin has been delivered out of the total amount requested.

3 ← **Current Status**

⚙	Correction Factor	1u: 2.8 mmol/L
⚙	Carb Ratio	1u: 12 g
⚙	Target BG	6.7 mmol/L
⚙	Insulin Duration	4 hours

Tap the **Down Arrow** to display your current Correction Factor, Carb Ratio, Target BG, and Insulin Duration.

✓ Explanation of Icons

| 100% | 10:20 14 Nov | 235 u |

💧 **BOLUS**

⚙ **OPTIONS**

INSULIN ON BOARD (IOB)
| Units | 1.1 u | Time Remaining | 1:09 hrs |

The following icons may appear in the areas to the left or right of the time and date on your t:slim X2 Pump's Home Screen.

! A system reminder, alert, error, or alarm is active. Unlock screen to view.

💧 A bolus is being delivered.

B Basal insulin is programmed and being delivered.

T A temporary basal rate is active.

◆ Indicates the Basal-IQ™ feature is turned on. When insulin is suspended, the bottom half of the diamond will turn red.

! All insulin deliveries are stopped.

0 A basal rate of 0 u/hr is active.

T A temporary basal rate of 0 u/hr is active.

**S** Indicates that all insulin delivery has been suspended when Basal-IQ™ technology is turned on.

For further information please contact us:
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t: **0800 012 1560** e: **diabetes.info@airliquide.com**

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**Air Liquide** HEALTHCARE

Setting a Temp Basal Rate

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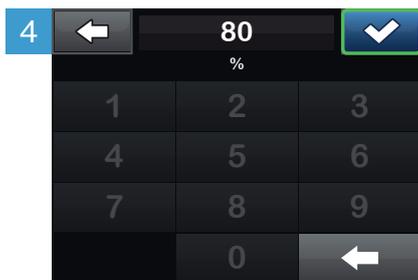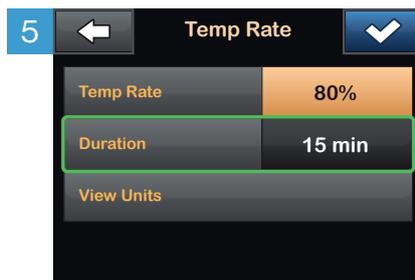
1

Tap **OPTIONS**.

2

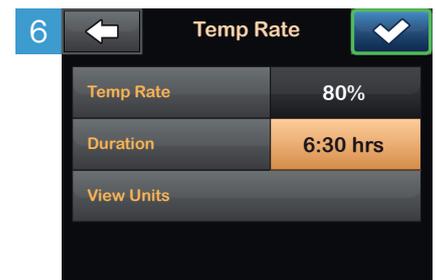Tap **Temp Rate**.

3

Tap **Temp Rate**.

4
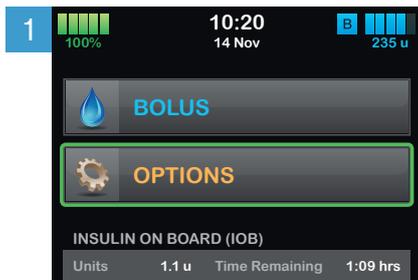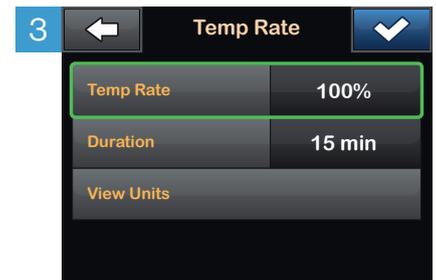
Using the onscreen keypad enter desired percentage. Tap ✔.

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

5

Tap **Duration**. Using the onscreen keypad enter desired length of time for Temp Rate. Tap ✔.

6

Verify settings and tap ✔.

NOTE: To see the actual units to be delivered, tap View Units.

7

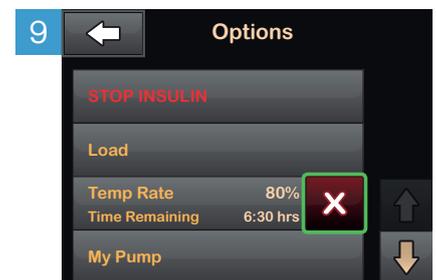TEMP RATE STARTED
80% / 6:30 hrs

The **TEMP RATE STARTED** screen will appear to confirm the Temp Rate has started.

8

The Screen Lock screen will appear with the orange T icon indicating a Temp Rate is active.

NOTE: If a Temp Rate of 0% is currently active, the orange T icon will be replaced with a red T icon.

9

To stop Temp Rate at any time, tap **OPTIONS**, then tap the **white X**.

A confirmation screen will appear.

Tap ✕.

For further information please contact us:

www.airliquidehealthcare.co.uk/diabetes-service
t: 0800 012 1560 e: **diabetes.info@airliquide.com**

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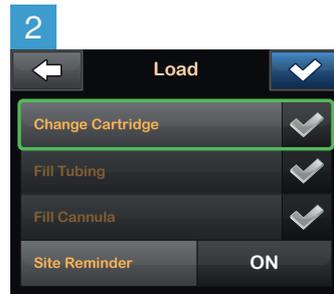
![Air Liquide HEALTHCARE]

Load a Cartridge

The instructions below are provided as an additional quick reference, following **t:slim X2™ Insulin Pump** training. Not all screens are shown. For more detailed information on the operation of t:slim X2™ Insulin Pump, please visit: www.airliquidehealthcare.co.uk/diabetes-support
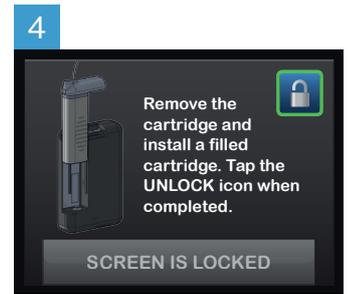
1

Options
STOP INSULIN
Load
Temp Rate
My Pump

From the Options menu, tap **Load**.

2

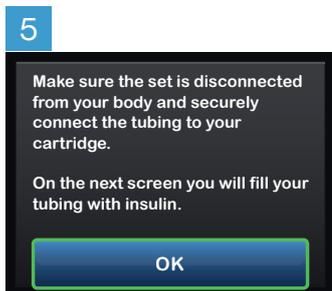| Load	
Change Cartridge	✔
Fill Tubing	✔
Fill Cannula	✔
Site Reminder	ON

Tap **Change Cartridge**. A screen will appear to confirm that all insulin deliveries will be stopped.

Tap ✔ to continue.

3

Make sure the infusion set is disconnected from your body.

Are you ready to continue?
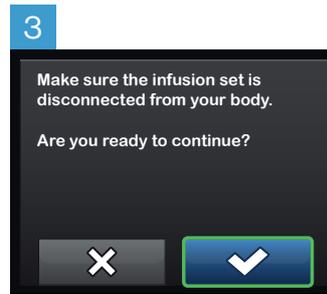
Disconnect the infusion set from your body and tap ✔ to continue.

4

Remove the cartridge and install a filled cartridge. Tap the UNLOCK icon when completed.

SCREEN IS LOCKED

Remove the used cartridge. Install filled cartridge. Tap the **unlock icon** when completed.

Tap ✔ to continue.

5

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

On the next screen you will fill your tubing with insulin.

OK

Verify that the infusion set is disconnected from your body.

Connect the infusion set tubing to the tubing connector on the cartridge. Tap OK.

6

Fill Tubing	
Fill Tubing	START
Amount Filled	0 u
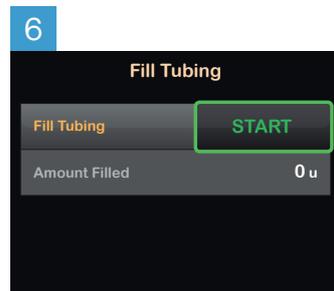
Hold the pump vertically to ensure any air in the cartridge will be dispelled first.

Tap **START**. The pump will beep and vibrate regularly while the tubing is filled.

7

| Fill Tubing	
Fill Tubing	STOP
Amount Filled	15.5 u

Tap **STOP** after three drops of insulin are seen at the end of the infusion set tubing, or after a minimum of 10 u have been filled.
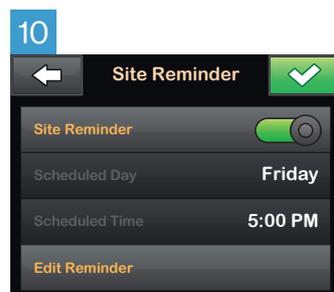
Verify that drops are seen and tap **DONE**.

8

Load	
Change Cartridge	✔
Fill Tubing	✔
Fill Cannula	✔
Site Reminder	ON
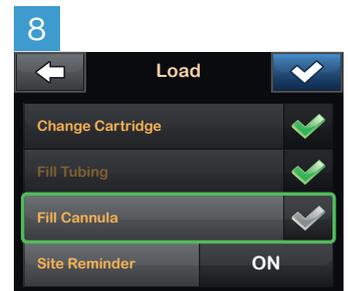
From the load menu, tap Fill Cannula. Insert a new infusion set and connect filled tubing to site, then tap ✔.

**NOTE:** If you are using a steel needle infusion set, there is no cannula. Skip this section.

9

| Fill Cannula	
Edit Fill Amount	0.7 u
Fill Cannula	START
Amount Filled	0 u
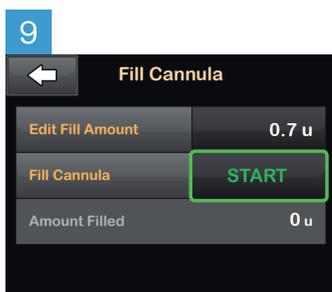
Tap **Edit Fill Amount**.

Select amount needed for cannula fill. Refer to your infusion set instructions for use for proper cannula fill amount.

Tap ✔. Tap **START**.

10

Site Reminder	
Site Reminder	⬤
Scheduled Day	Friday
Scheduled Time	5:00 PM
Edit Reminder	

After the cannula fill is complete, you can set a **Site Change reminder**.

Tap ✔ if correct. Tap **Edit Reminder** if settings need to be changed.

11

Resume Insulin now?

This will resume all deliveries.
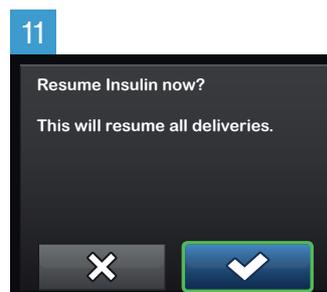
A confirmation screen is displayed.

Tap ✔. A reminder to test BG in 1–2 hours will display.

Tap ✔.

12
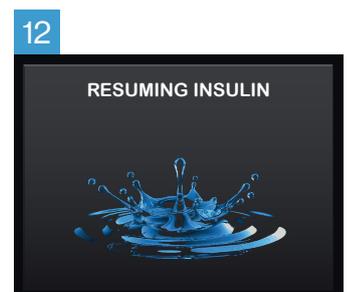
RESUMING INSULIN

The **RESUMING INSULIN** screen will appear.

Instructions for Drawing Insulin from Vial into Syringe

Use proper clean technique while performing the following:

1. Inspect the needle and syringe package for any signs of damage. Discard any damaged product.

2. Wash your hands thoroughly.

3. Wipe the rubber septum of the insulin vial with an alcohol swab.

4. Remove the needle and syringe from their packaging. Securely twist needle onto syringe. Safely remove protective cap from needle by pulling outward.

5. Draw air into syringe up to the amount of insulin desired (see image A).

6. With insulin vial upright, insert needle into vial. Inject air from syringe into vial. Maintain pressure on syringe plunger (see image B).

7. With needle still inserted into vial, turn vial and syringe upside down. Release syringe plunger. Insulin will begin to flow from the vial into the syringe.

8. Slowly pull back the plunger to the desired amount of insulin (see image C).

9. While the filling needle is still in the vial and upside down, tap the syringe so that any air bubbles rise to the top (see image D). Then slowly push the plunger upwards, forcing any air bubbles back into the vial.

10. Check the syringe for air bubbles and do one of the following:
    - If there are air bubbles present, repeat step 9.
    - If no air bubbles are present, remove the filling needle from the vial.
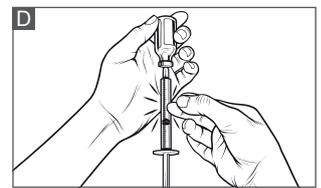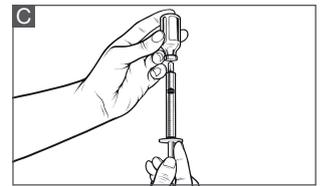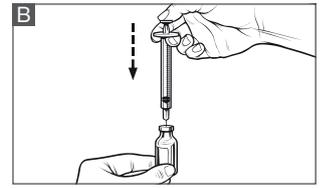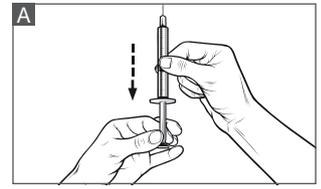
Instructions for Filling the Cartridge

1. Inspect the cartridge package for any signs of damage. Discard any damaged product.

2. Open the package and remove the cartridge.

3. Hold the cartridge upright and gently insert the needle into the white insulin fill port on the cartridge (see image E). The needle is not intended to go all the way in, so do not force it.

4. Keeping the syringe vertically aligned with the cartridge, and the needle inside the fill port, pull back on the plunger until it is fully retracted (see image F). This will remove any residual air from the cartridge. Bubbles will rise toward the plunger.

5. Make sure the needle is still in the fill port and release the plunger. Pressure will pull the plunger to its neutral position but it will NOT push any air back inside the cartridge (see image G).

6. Withdraw the needle from the fill port.

7. Turn the syringe upright and pull down on the plunger (see image H). Flick the barrel to make sure that any air bubbles rise to the top.

8. Gently press on the plunger to remove air bubbles until insulin fills the needle hub and you see a drop of insulin at the tip of the needle (see image I).

9. Re-insert the needle in the fill port and slowly fill the cartridge with insulin (see image J). It is normal to feel some back pressure as you slowly press on the plunger.

10. Maintain pressure on the plunger while you remove the needle from the cartridge. Check the cartridge for leaks. If you detect insulin leaking, discard the cartridge and repeat entire process with a new cartridge.

11. Always dispose of used needles, syringes, cartridges, and infusion sets following your community's regulation.
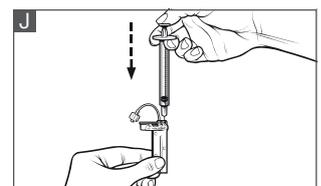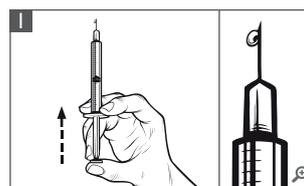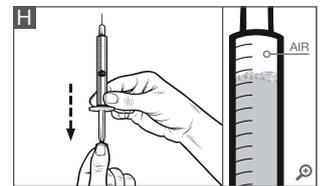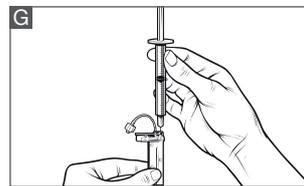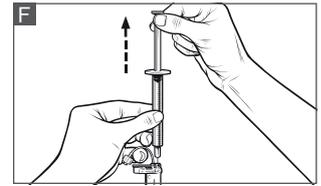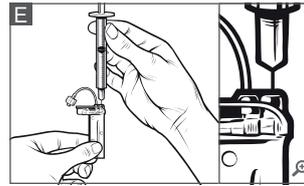
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www.airliquidehealthcare.co.uk/diabetes-service
t: **0800 012 1560** e: **diabetes.info@airliquide.com**

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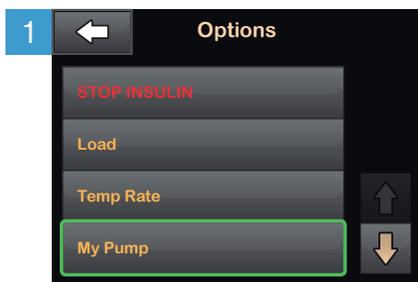GET IT ON **Google Play**

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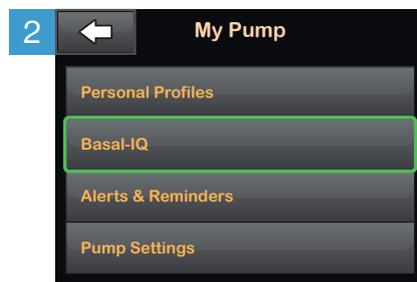
Basal-IQ™ Technology
for the t:slim X2™ Insulin Pump

The instructions below are provided as an additional quick reference, following **t:slim X2**™ **Insulin Pump** training. Not all screens are shown. For more detailed information on the operation of t:slim X2™ Insulin Pump, please visit: www.airliquidehealthcare.co.uk/diabetes-support

⏻ To turn the Basal-IQ feature ON or OFF:

1

←	Options
STOP INSULIN	
Load	
Temp Rate	↑
My Pump	↓

From the Options menu, tap **My Pump**.

2

←	My Pump
Personal Profiles	
Basal-IQ	
Alerts & Reminders	
Pump Settings	

Tap **Basal-IQ**.

3

←	Basal-IQ	✔
Basal-IQ		🟢
Suspend Alert		◯
Resume Alert		◯

Tap **Basal-IQ** to toggle the feature to on or off. To save the setting, tap ✔.
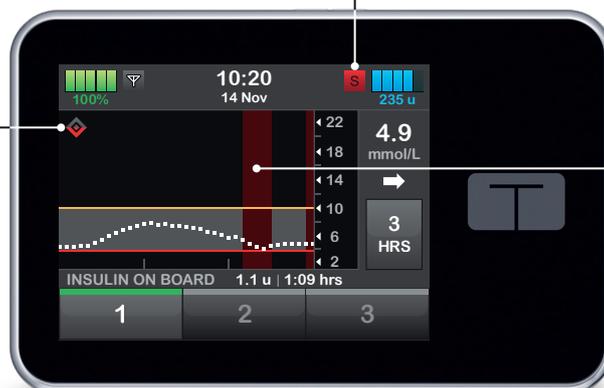
NOTE: No alerts or alarms are required to use Basal-IQ technology. On the Basal-IQ screen, you can choose whether or not to receive alerts when insulin is suspended or resumed based on your personal preferences. Alerts remain off unless manually turned on.

PRECAUTION: Your CGM is providing the data that Basal-IQ needs to make predictions to suspend insulin delivery. Accordingly, we recommend that you enable the CGM Out of Range Alert to notify you if your CGM is disconnected from your pump whenever you are not actively monitoring your pump status.

🖥 Once Basal-IQ technology is ON, monitor activity from the Home Screen:

A red icon with the letter "S" indicates that all insulin delivery has been suspended.

NOTE: A CGM session must be currently running in order to use Basal-IQ technology.

A grey diamond icon indicates the Basal-IQ feature is turned on. When insulin is suspended, the bottom half of the diamond will turn red.

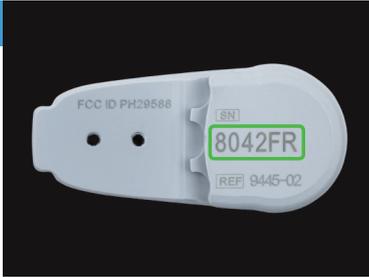Red bars on the CGM graph indicate when insulin delivery has been suspended.

To connect your CGM transmitter and pump:

1
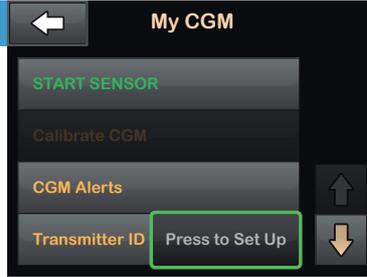

Locate the ID on the bottom of your transmitter before attaching it to a sensor.

2

In the Options menu, tap the Down Arrow, then: **My CGM** > **Transmitter ID**.

Tap **Press to Set Up**.

3

Enter transmitter ID and tap ✔.

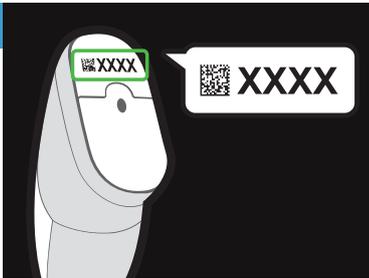You will be prompted to enter the ID again to verify accuracy, after which your transmitter will be connected.
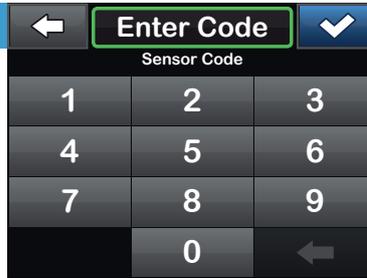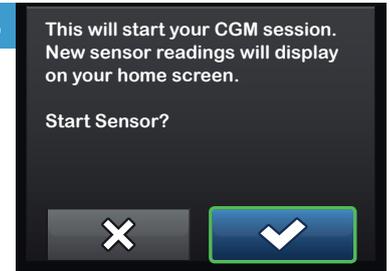
To start a new sensor session:

1

Locate the sensor code on the adhesive strip found on the bottom of the applicator.
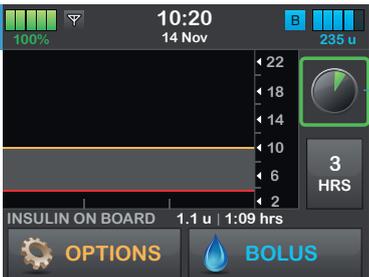
2

In the Options menu, tap: **My CGM** > **START SENSOR** > **CODE** and enter sensor code.

If you intend to calibrate your sensor using a blood glucose meter, or have already entered a code using a separate CGM mobile app, tap **My CGM** > **START SENSOR** > **SKIP**.

3

This will start your CGM session. New sensor readings will display on your home screen.

Start Sensor?

Tap ✔ to confirm the start of a new CGM sensor session.

4

A screen will appear to indicate the two-hour startup process has begun. During this time, you will not receive sensor data or be able to use Basal-IQ technology.

NOTE: The countdown symbol fills in over time to show how much time is left before the system is ready to display current CGM reading.

If a sensor code is not entered prior to starting a sensor session, the t:slim X2 Insulin Pump will prompt you to calibrate using a blood glucose meter at regular intervals. By entering your sensor code, you will not be prompted to calibrate your sensor.

If your glucose alerts and readings do not match symptoms or expectations, use a blood glucose meter to make diabetes treatment decisions.

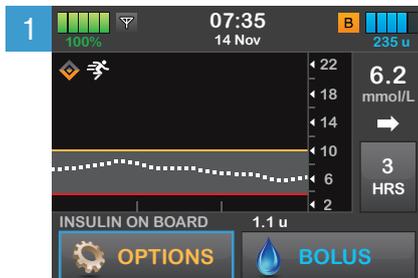For further information please contact us:
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t: **0800 012 1560** e: **diabetes.info@airliquide.com**

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Personal Profiles

t:slim X2™ Insulin Pump With Control-IQ™ Technology
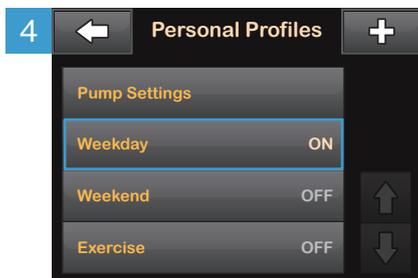
1
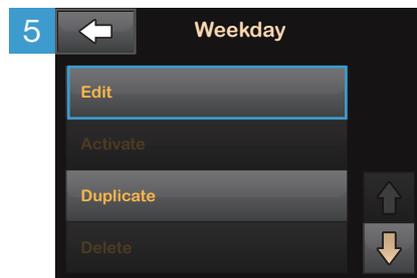

Tap **OPTIONS**.

2

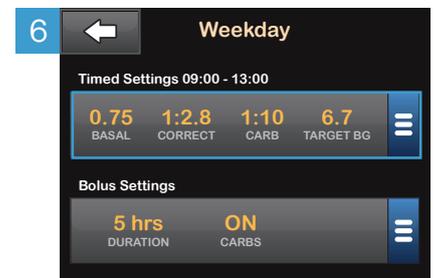

Tap **My Pump**.

3

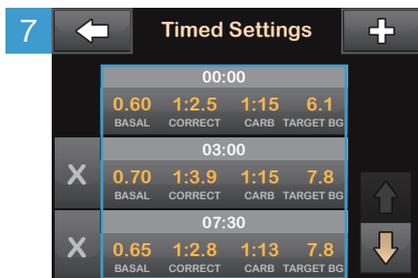Tap **Personal Profiles**.

4

Tap the name of the Personal Profile to view or edit.

5

Tap **Edit** to edit or view your settings.

6

Tap your current settings to see the other segments of your day.

7

Tap the time segment you wish to edit.

If not all segments are visible, tap the **Down Arrow**.

8

Tap **Basal**, **Correction Factor**, **Carb Ratio**, or **Target BG** to make changes, then tap ✔.

When you are finished, tap ✔.

9

Confirm settings. Recent changes appear in orange.

Tap ✔ to confirm.

The instructions above are provided as a reference tool for caregivers who are already familiar with the use of an insulin pump and with insulin therapy in general. Not all screens are shown. For more detailed information on the operation of your Tandem insulin pump, please refer to its user guide.

Responsible Use of Control-IQ Technology

Control-IQ technology does not prevent all high and low blood glucose events, and is not a substitute for meal boluses and active self-management of diabetes. Control-IQ technology will not be able to predict sensor glucose values and adjust insulin dosing if a patient's CGM is not working properly or is unable to communicate with their pump. Patients should be instructed to always pay attention to their symptoms and blood glucose levels and treat accordingly.

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www.airliquidehealthcare.co.uk/diabetes-service
t: **0800 012 1560** e: **diabetes.info@airliquide.com**

Air Liquide Healthcare is a world leader in medical gases, home healthcare, hygiene products and healthcare specialty ingredients. It aims to provide customers in the continuum of care from hospital to home with medical products, specialty ingredients and services that contribute to protecting vulnerable lives.

Sleep and Exercise Activities

For the t:slim X2 Insulin Pump With Control-IQ Technology

Control-IQ technology offers optional settings for Sleep that will change the treatment values when enabled.

Using Sleep Schedules is recommended. Within the Activity menu, users can set up to two Sleep Schedules, which will automatically turn Sleep on and off at pre-programmed times. For example, one might be set up for weekdays and the other for weekends. If preprogrammed Sleep Schedules are not used, Sleep must be manually turned on and off.
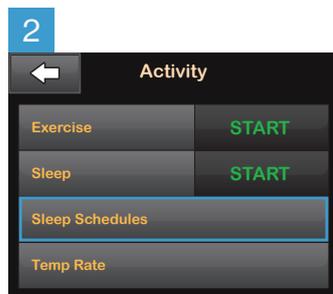
NOTES:
- No automatic correction boluses will be delivered while the Sleep Activity is enabled.
- If you have a Sleep Schedule set and go to bed earlier/later it will still turn off at the programmed time.
- If Exercise is enabled at the time Sleep is scheduled to start, Sleep will not begin. Once Exercise is turned off, the user will need to manually start Sleep or wait until the next scheduled sleep cycle.
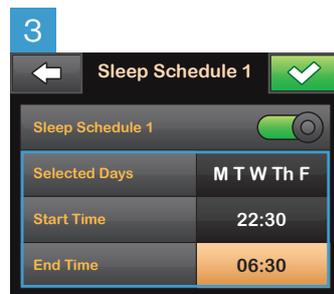
💤 TO SET SLEEP SCHEDULES

1

Options

STOP INSULIN
Load
Activity
My Pump

From the Options menu tap **Activity**.

2

Activity

Exercise — START
Sleep — START
Sleep Schedules
Temp Rate

Tap **Sleep Schedules**. Then, select one of the two Sleep Schedules to set it up.

3

Sleep Schedule 1 ✓

Sleep Schedule 1
Selected Days — M T W Th F
Start Time — 22:30
End Time — 06:30

Select any or all days of the week. Set the time that the Sleep function will start and end on those days. These times should reflect the time the user generally goes to sleep and wakes up.
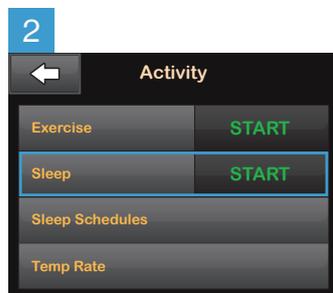
Tap ✓ to save the settings.

4

Sleep Schedules

Sleep Schedule 1 — M T W Th F 22:30 - 06:30
Sleep Schedule 2 — Sa Su 23:00 - 07:30

Sleep Schedules are now enabled. Tap the Tandem logo on the face of the pump to return to the Home Screen.

💤 TO MANUALLY ENABLE SLEEP

1

Options

STOP INSULIN
Load
Activity
My Pump

From the Options menu tap **Activity.**

2

Activity

Exercise — START
Sleep — START
Sleep Schedules
Temp Rate

Tap **START** next to Sleep.

NOTE: Sleep and Exercise cannot be enabled at the same time.

3

💤 SLEEP STARTED

Sleep is now enabled.

Activity

Exercise — START
Sleep — STOP
Sleep Schedules
Temp Rate

To disable Sleep Activity, from the Options menu tap **Activity**, and tap **STOP** next to Sleep.

The instructions above are provided as a reference tool for caregivers who are already familiar with the use of an insulin pump and with insulin therapy in general. Not all screens are shown. For more detailed information on the operation of the t:slim X2™ insulin pump, please refer to its user guide.

Exercise Activity

Control-IQ technology offers optional settings for Exercise that will change the treatment values when enabled.

🏃 TO ENABLE EXERCISE

1
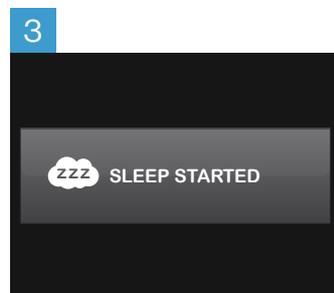
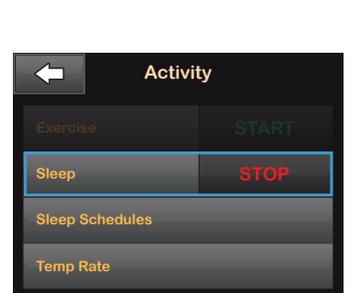From the Options menu tap **Activity**.

2
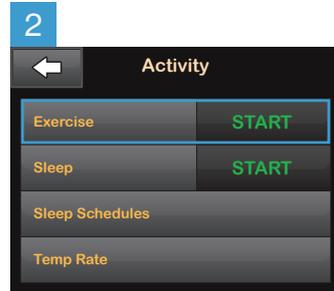
Tap **START** next to Exercise.

NOTE: Sleep and Exercise cannot be enabled at the same time.

NOTE: If Exercise is active at the time Sleep is scheduled to start, Sleep will not begin. Once Exercise is turned off, the user will need to manually start Sleep or wait until the next scheduled sleep cycle.

3

Exercise is now enabled.

4

To disable Exercise Activity, from the Options menu tap **Activity**, and tap **STOP** next to Exercise.

The instructions above are provided as a reference tool for caregivers who are already familiar with the use of an insulin pump and with insulin therapy in general. Not all screens are shown. For more detailed information on the operation of the t:slim X2 insulin pump, please refer to its user guide.
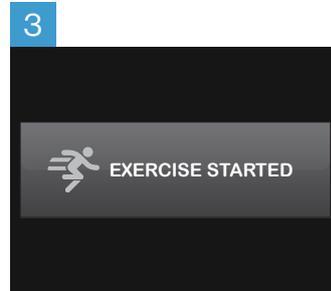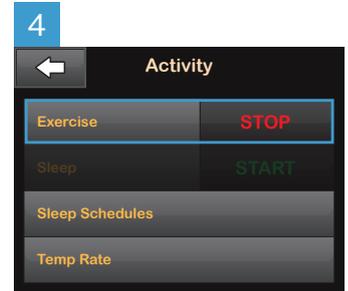

Responsible Use of Control-IQ Technology

Control-IQ technology does not prevent all high and low blood glucose events, and is not a substitute for meal boluses and active self-management of diabetes. Control-IQ technology will not be able to predict sensor glucose values and adjust insulin dosing if a patient's CGM is not working properly or is unable to communicate with their pump. Patients should be instructed to always pay attention to their symptoms and blood glucose levels and treat accordingly.

Air Liquide HEALTHCARE | **t:slim X2**™ Insulin Pump

Control-IQ Technology

For the t:slim X2 Insulin Pump

How does Control-IQ technology work?

Control-IQ™ technology is designed to help increase time in range (3.9-10.0 mmol/L)* using Dexcom G6 continuous glucose monitoring (CGM) values to predict glucose levels 30 minutes ahead and adjust insulin delivery accordingly, including delivery of automatic correction boluses† (up to one per hour).

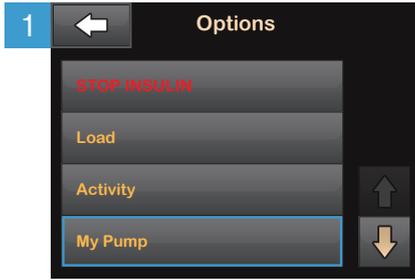|		Control-IQ Technology		
		Enabled	Sleep Activity Enabled (zzz)	Exercise Activity Enabled
◇ 💧	**Delivers** an automatic correction bolus if sensor glucose is predicted to be above ___ mmol/L	10.0	N/A	10.0
◇ B	**Increases** basal insulin delivery if sensor glucose is predicted to be above ___ mmol/L	8.9	6.7	8.9
◇ B	**Maintains** active Personal Profile settings when sensor glucose is between ___ - ___ mmol/L	6.25 - 8.9	6.25 - 6.7	7.8 - 8.9
◇ B	**Decreases** basal insulin delivery if sensor glucose is predicted to be below ___ mmol/L	6.25	6.25	7.8
◇ 0	**Stops** basal insulin delivery if sensor glucose is predicted to be below ___ mmol/L	3.9	3.9	4.4

Control-IQ Technology Pump Icons

Symbol	Meaning
◇	Control-IQ technology is enabled but not actively increasing or decreasing basal insulin delivery.
◇	Control-IQ technology is increasing basal insulin delivery.
◇	Control-IQ technology is decreasing basal insulin delivery.
◇	Control-IQ technology has stopped basal insulin delivery.
zzz	The Sleep Activity is enabled.
🏃	The Exercise Activity is enabled.

Symbol	Meaning
B	Basal insulin is programmed and being delivered.
B	Control-IQ technology is increasing basal insulin delivery.
B	Control-IQ technology is decreasing basal insulin delivery.
0	Basal insulin delivery is stopped and a basal rate of 0 u/hr is active.
💧	Control-IQ technology is delivering an automatic correction bolus.†
BOLUS Control-IQ: 2.8 u	Control-IQ technology is delivering an automatic correction bolus.†

* As measured by CGM. † Users must still bolus for meals and actively manage their diabetes. For more information on automatic correction boluses, see back.

Responsible Use of Control-IQ Technology

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TO TURN CONTROL-IQ TECHNOLOGY ON

1

←	Options
STOP INSULIN	
Load	
Activity	
My Pump	↑ ↓

From the Options menu, tap **My Pump**.

2

←	My Pump
Personal Profiles	
Control-IQ	
Alerts & Reminders	
Pump Info	

Tap **Control-IQ**.

3

←	Control-IQ	✓
Control-IQ	⊙

From this screen, Control-IQ technology can be toggled on or off.

NOTE: In order to turn Control-IQ technology on, patient must have an active Personal Profile with CARBS turned on and an active CGM session.

4

←	Control-IQ	✓
Control-IQ	⊙
Weight	Press to Set Up
Total Daily Insulin	Press to Set Up

Next, enter the user's weight and average daily insulin use in units.

NOTE: Control-IQ technology cannot be enabled unless both Weight and Total Daily Insulin are entered.

NOTE: Total Daily Insulin should be an estimate of total basal and bolus insulin the user requires in a 24-hour period. Existing t:slim X2 users can find their average Total Daily Insulin under Options > History > Pump History > Delivery Summary > 14-day Average.

5

←	Control-IQ	✓
Control-IQ	⊙
Weight	68 kg
Total Daily Insulin	34 u
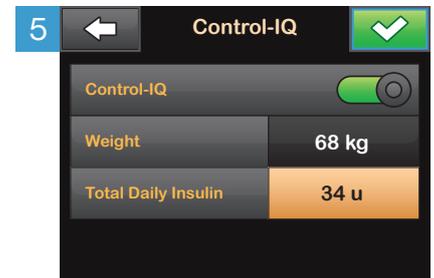
Tap ✓ to save the settings. Control-IQ technology is now on.

The instructions above are provided as a reference tool for caregivers who are already familiar with the use of an insulin pump and with insulin therapy in general. Not all screens are shown. For more detailed information on the operation of the t:slim X2™ insulin pump, please refer to its user guide.

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