



QUICK REFERENCE



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	Exercise Activity Enabled
	Delivers an automatic correction bolus if sensor glucose is predicted to be above ____ mmol/L	10.0	N/A	10.0
	Increases basal insulin delivery if sensor glucose is predicted to be above ____ mmol/L	8.9	6.7	8.9
	Maintains active Personal Profile settings when sensor glucose is between ____ - ____ mmol/L	6.25 - 8.9	6.25 - 6.7	7.8 - 8.9
	Decreases basal insulin delivery if sensor glucose is predicted to be below ____ mmol/L	6.25	6.25	7.8
	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.
	The Sleep Activity is enabled.
	The Exercise Activity is enabled.

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

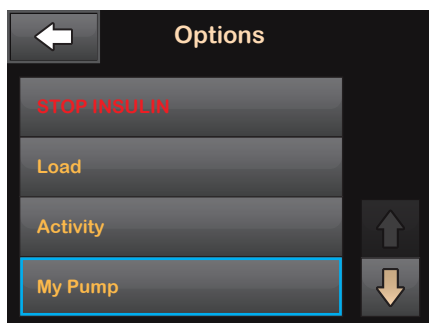
* As measured by CGM. † Users must still bolus for meals and actively manage their diabetes. For more information on automatic correction boluses, see back.



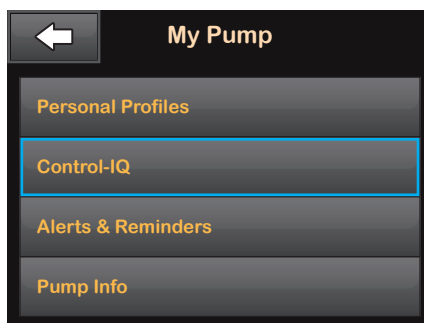
Responsible Use of Control-IQ Technology

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.

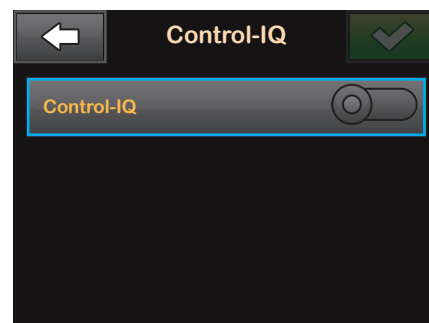
TO TURN CONTROL-IQ TECHNOLOGY ON



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



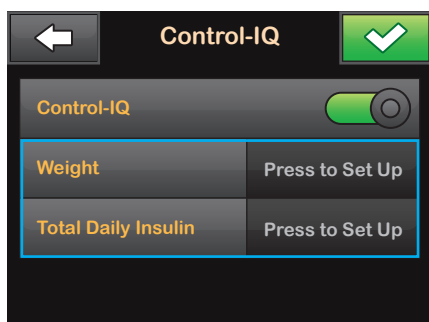
2 Tap **Control-IQ**.



3 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.



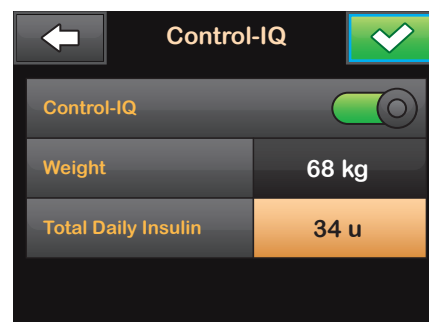
4 Next, enter the user's weight and average daily insulin use in units.

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 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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t:simulator™ App
A free virtual pump demo



*As measured by CGM. † If glucose values are predicted to be above 10.0 mmol/L, Control-IQ technology calculates a correction bolus using the Personal Profile settings and a target of 6.1 mmol/L and delivers 60% of that value. It will do this up to once per hour as needed. An Automatic Correction Bolus will not occur within 60 minutes of a bolus that has been delivered or cancelled.

Important Safety Information: The t:slim X2 insulin pump and the t:slim X2 insulin pump with Control-IQ technology are intended for single patient use. The t:slim X2 pump and the t:slim X2 pump with Control-IQ technology are indicated for use with NovoRapid or Humalog U-100 insulin. **t:slim X2 insulin pump:** The t:slim X2 pump is intended for the subcutaneous delivery of insulin, at set and variable rates, for the management of diabetes mellitus in persons requiring insulin. The pump is able to reliably and securely communicate with compatible, digitally connected devices. The t:slim X2 pump is indicated for use in individuals six years of age and greater. **t:slim X2 insulin pump with Control-IQ technology:** The t:slim X2 pump with Control-IQ technology is intended for use with a compatible continuous glucose monitor (CGM, sold separately) and the t:slim X2 pump to automatically increase, decrease, and suspend delivery of basal insulin based on CGM readings and predicted glucose values. It can also deliver correction boluses when the glucose value is predicted to exceed a predefined threshold. The t:slim X2 pump with Control-IQ technology is intended for persons six years of age and greater.

WARNING: The t:slim X2 pump with Control-IQ technology should not be used by anyone under the age of six years old. It should also not be used in patients who require less than 10 units of insulin per day or who weigh less than 25 kilograms.

The t:slim X2 pump with Control-IQ technology is not indicated for use in pregnant women, people on dialysis, or critically ill patients. Do not use the t:slim X2 pump with Control-IQ technology if using hydroxyurea. Users of the t:slim X2 pump and the t:slim X2 pump with Control-IQ technology must: use the insulin pump, CGM, and all other system components in accordance with their respective instructions for use; test blood glucose levels as recommended by their healthcare provider; demonstrate adequate carb-counting skills; maintain sufficient diabetes self-care skills; see healthcare provider(s) regularly; and have adequate vision and/or hearing to recognise all functions of the pump, including alerts, alarms, and reminders. All Tandem Diabetes Care pumps, transmitters, and sensors must be removed before MRI, CT, or diathermy treatment. Visit tandemdiabetes.com/safetyinfo for additional important safety information.

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