

Information is specific to use of each pump's AID features

Omnipod[®] 5



CALCULATE

Basal automation?	“Adaptive Basal” calculated from total daily insulin, which is updated at each Pod change. Adaptive Basal is adjusted every 5 min based on a 60 min prediction of CGM glucose, aiming for the target glucose value.
Bolus automation?	No automated boluses. Algorithm will increase basal doses up to 400% of the adaptive basal rate to help correct hyperglycemia.
Algorithm target glucose/target range?	5 target options: 110, 120, 130, 140, 150 mg/dL Can set multiple target settings throughout 24 hr. period
Which insulin does the user give?	User gives boluses for meals by entering total grams of carbs in the bolus menu / bolus calculator. User can deliver correction boluses as needed in the bolus menu / bolus calculator.

ADJUST

When using AID, what settings can you adjust?	Basal Rates	I:C Ratios	Correction/Sensitivity Factor	Active Insulin Time
	No	Yes	Yes	Yes
Can user give extended boluses?	No			
Can user change/override recommended bolus doses in bolus calculator?	Yes			
What are the special features in automated insulin delivery?	Activity Feature: Changes target glucose to 150 mg/dL and decreases the doses by ~50% to reduce adaptive basal delivery for chosen duration (1–24 hrs).			
Which pump settings impact automated insulin delivery (insulin delivered by the algorithm)?	Target Glucose: Can set up to 8 target settings per 24 hour period. 5 target options: 110, 120, 130, 140, 150 mg/dL			

REVERT

Is there a limited automation mode the system may revert to if there is a loss of CGM communication or other reasons?	Yes, Automated Limited: the Pod will deliver a basal rate determined by algorithm, but without glucose-dependent basal adjustments. May activate for two reasons: 1. If no CGM data for ≥ 20 min. Pod will resume full insulin automation once CGM data returns. 2. If there is an “Automated Delivery Restriction” alarm (if insulin has been suspended too long or if max delivery too long). Will remain in Automated Limited until the user clears the alarm.
When will the system automatically revert to manual mode (conventional pump therapy using programmed basal rates – no insulin dose automation)?	If there is an “Automated Delivery Restriction” alarm, the user will be prompted to confirm CGM accuracy, and then will have to switch to manual mode. The user must switch back to automated mode after 5 min in manual mode (the Pod will not return to automated mode on its own).

EDUCATE

Mealtime and Bolus Considerations	Pre-bolus for all meals and snacks, ideally 10-15 min before eating. Tap “Use Sensor” to add the sensor glucose value and trend into the bolus. The bolus calculator may adjust the recommended correction bolus dose based on the CGM trend arrow. Consider turning the reverse correction OFF. The reverse correction will reduce the meal bolus dose if the glucose level is below the target glucose.
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EDUCATE (Continued)

Sleep Considerations

Can adjust Target Glucose for sleep period, as needed.
Could also consider use of Activity Feature during sleep if hypoglycemia is occurring.
Review evening/bedtime behaviors to identify causes of high or low glucose patterns, if they are occurring in the several hours after bedtime (e.g., missed boluses or ineffective bolus doses?).

Exercise Considerations

Managing glucose levels with exercise must be personalized for each individual based on previous experience and type of exercise.
Considerations with AID include: Avoid large carb snacks prior to exercise as large spikes in glucose will result in increases in insulin delivery and greater risk of hypoglycemia. Instead, consider consuming small quantities of carbohydrates during exercise as needed and/or disconnecting from the device as needed.
Use Activity Feature; turn on 1-2 hours prior to starting exercise and consider leaving on for several hours after exercise ends if delayed hypoglycemia is a concern.
Consider reducing meal bolus doses that occur 1-3 hours prior to exercise (e.g., bolus for only 1/2 to 3/4 of consumed carbs).

Other Considerations

It is best NOT to override the bolus calculator's suggested dose (although there may be exceptions). The bolus calculator will subtract IOB from increased automated insulin delivery, helping to reduce the chance of hypoglycemia.
Insulin suspension may occur if glucose is trending down, even if the glucose level is above the programmed Target Glucose. This is expected and will be short in duration (e.g. 5-15 min) if the glucose level does not continue to drop.
Avoid Pod area when using aerosolized sunscreens/bug sprays as they may cause Pod failures.
Wear Pod and Dexcom in "line of sight" to optimize Bluetooth communication.
Consider treating mild hypoglycemia with less carbohydrates (5-10 g) than the traditional rule of 15g. If hypoglycemia occurs, the algorithm will have already decreased or suspended insulin delivery and treating with too many carbs may result in large rebound hyperglycemia.

SENSOR/SHARE

Which CGM is compatible?

**CGM options may vary by region*

Dexcom G6 and G7: Must use Dexcom G6/G7 mobile app (on personal cell phone) to use Automated Mode. Cannot use the Dexcom receiver when the Dexcom is paired to the Pod.
Freestyle Libre 2 Plus: Must start sensor on Omnipod 5 controller; cannot use Freestyle Libre apps or reader.

How long does the sensor last?

Dexcom G6 & G7: 10 days maximum
Freestyle Libre 2 Plus: 15 days maximum

Can user see real-time data on personal cell phone?

Omnipod 5 app (pump + CGM data, also used to operate pump; availability of app varies by region)
Dexcom G6/G7 mobile app (CGM data)

Can others see data remotely?

Dexcom Follow app (CGM data)
*If using Freestyle Libre 2 Plus, there is no option for remote data sharing

Is data automatically stored in the cloud?

Automatic uploads to Glooko or Discover after linking device