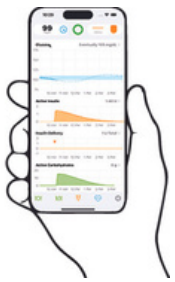
NEWS & HAPPY NEW YEAR FROM

Loop AND Learn

Master Your DIY Closed-Loop Insulin Delivery System

23 January 2026



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SEARCH NEWSLETTERS

TEXT-ONLY VERSION WITH TRANSLATIONS

DONATE

TIME ZONE CONVERTER

FIND A LOOP-FRIENDLY HCP

CHECK FOR UPDATES

VIEW LARGER PRINT VERSION

IF FORMATTING LOOKS ODD ON YOUR PHONE, PLEASE USE THIS VERSION.

IN THIS EDITION

- Apple Developer
- Version Updates
- Browser Build Notes
- Apple Recommendations
- Forecasts
- Developer Updates
- DASH-Atlas Issues
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- Bluetooth Tracking
- Advocacy
- FB Q&A

Upcoming Open Mics

24 Jan: 2p PT - 5p ET - 11p CEST - 7a AET 25 Jan

12 February: 11 a PT - 2 p ET - 8p CEST

loopandlearn.org/zoom

27 January: 21:00 Italia Time (LnL Italia)

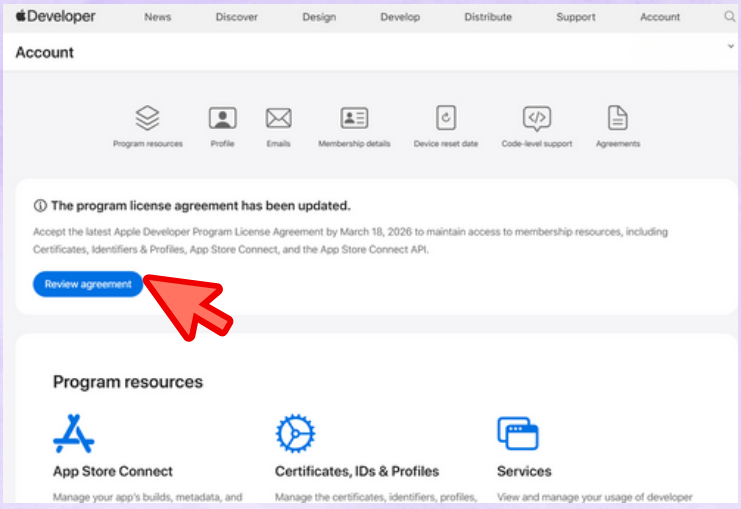
loopandlearn.org/zoomit

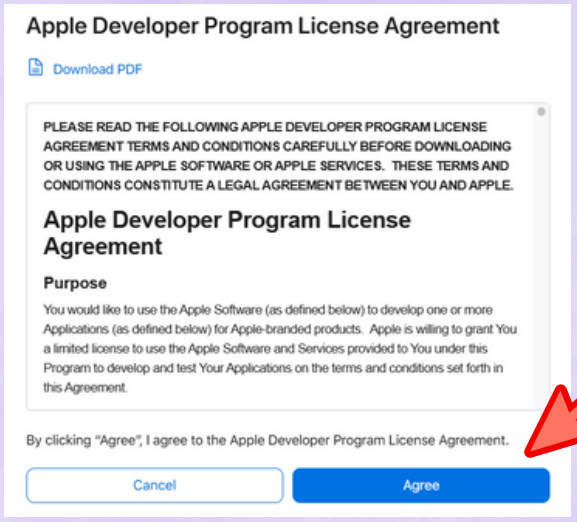
REMINDER

Time to Agree Again

To do.

New Apple Developer agreement terms have surfaced -they must be agreed to by March 17, but do yourself a favor and do it now!





Version Updates

Loop version 3.10.0

Loop version 3.10.0 was released on 10 January 2026.
Among other updates, this provides support for G7 15-day sensors and provides Live Activity / Dynamic Island / CarPlay for Loop (without need for a customization).

- **Customization Changes**: two features that were previously customizations are included in Loop version 3.10.0. If you used either of these, remove them from your .github/workflow/build_loop.yml file or your browser build will fail:
  - Live_activity
  - dexcom_upload_readings

For more information, check out **LoopDocs: Version, Releases page** and **LoopDocs: Setup, Features, Live Activity section**.

Loop Feature Branches

In addition to the released version of Loop (main) and the development version of Loop (dev), there are also 2 feature branches. These can be built using the same instructions as for the dev branch with either Browser Build or Mac-Xcode build.

- For anyone using an iPhone 16 with DASH Atlas pods, consider using the feat/pod-keep-alive branch
- For anyone wanting to test the new pumps supported by the Loop app, consider using the feat/dev-dana-medtrum branch

The feature branches are updated whenever the dev branch is updated. The Dana and Medtrum pump manager are under active test and so that branch is updated even more frequently than dev.
Please join **zulipchat** when using a feature branch.
See this **Facebook post** for some Q & A on this topic.

Browser Build Notes

Loop and LoopCaregiver Apps

As mentioned in the next article, you will probably need to build Loop manually every month.

LoopCaregiver requires a manual build to get the automatic build started again.

- This is because the developers allowed more than 60 days to elapse between updates to the repository
- We do not plan to allow repositories to get stale, but it can happen. Just check monthly to find out the status for your apps.

Confirm Status Monthly

We do not know why most people have their Loop automatic build action disabled by GitHub. If you use Loop and Browser Build, please continue to manually build the Loop app once a month.

Even though this is typically just a Loop issue, we suggest you confirm once a month for every app you expect to build automatically; make sure a new build is available in your TestFlight.
Automatic builds are scheduled for the second Sunday of each month. We suggest you add a calendar reminder for the 15th of each month.

- If you got a successful build email, just make sure the app shows up in TestFlight
- If you did not get a successful build email, then do the **manual build** (only 5 clicks that can be done on your phone or in any browser)

Apple Recommendations

Update Phone iOS

Apple recommends that you update to iOS 26.2.

If your phone is older than iPhone 11:

- Apple recommends updating to iOS 18.7.3
- Loop and Learn recommends you get a new phone as soon as possible

Links to Apple Support Information

Security content of iOS 26.2 and iPadOS 26.2

Security content of iOS 18.7.3 and iPadOS 18.7.3

Reminder about Updating iOS

We always recommend you wait for an all-clear from the Open-Source mentors before accepting a major update, for example from iOS 18 to iOS 26. But that doesn't mean wait forever.

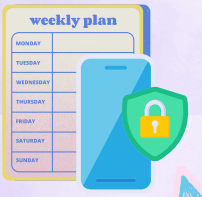
It's fine to upgrade to iOS 26.2; in fact, updating to iOS 26.2 is the only option offered for phones newer than iPhone 11. There are important security updates, so do the update soon.

>>Update Loop before taking your phone to iOS 26 from iOS 18

- Versions of Loop older than v3.8.2 exhibited a variety of user interface issues with iOS 26

For minor updates, like 26.1 to 26.1.1, you don't need to wait - just accept the update when convenient. When you update your phone's operating system, **always be awake and aware**. As soon as the update completes and your phone reboots, make sure your OS-AID is operating properly.

Mobile Phone Security



Reboot phone weekly

"The (U.S.) National Security Agency (NSA) has **recommended** that all iPhone and Android users restart their devices at least once a week. This guidance is part of a broader set of best practices to enhance mobile device security and protect users from potential cyber threats.

The advisory, detailed in a document released by the NSA, underscores the importance of regular device reboots as a simple yet effective measure to mitigate the risk of cyberattacks. The NSA's guidance comes amid growing concerns over the increasing sophistication of cyber threats targeting mobile devices."

Add this as a recurring task on your calendar!

Trio Talk

Why does Trio forecast a very high glucose when carbs are entered?

Our expert says: Trio is not telling you what will happen. It's telling you what it will respond to.

And, as we know, if glucose is forecasted to be high, Trio will bolus based on user settings to reduce the forecasted glucose.

And YES! the same is true for Loop and pretty much any AID system!

Developer Updates

Exciting News!

1) Tandem Mobi is in open beta testing for AAPS

2) The rewrite of Nightscout (called Nocturne) is making progress. We shared about this project in the 20 Dec. 2025 edition of *News from Loop and Learn* in the "**More News from Hackathon 2025**" article.

DASH Atlas Pod Issues

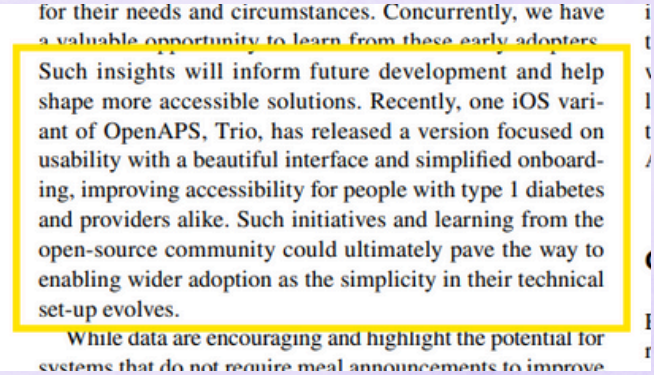
German and American loopers are encountering **failed Atlas pods**. Our team has determined that these are pod errors. The lot in this post might have marginal batteries, which will be more likely to cause a 3rd-day issue when used with OS-AID. If you will be traveling and are using LOT PD1K10112531, take even more extras than you otherwise would for the trip, and a way to inject insulin if an error happens at an inconvenient time.

Note: these pod faults are not related to the iPhone 16 problem with Atlas pods.

- If you use the Loop app with an iPhone 16 and you get Atlas pods, consider using the **feat/pod-keep-alive branch**

OS-AID in the Literature

"Fully closed-loop systems: can people with type 1 diabetes just do it? Insights from open-source systems"
Rayhan Lal · Katarina Braune · Dana M. Lewis · Lenka Petruzelkova · Martin de Bock · Sufyan Hussain


for their needs and circumstances. Concurrently, we have a valuable opportunity to learn from these early adopters. Such insights will inform future development and help shape more accessible solutions. Recently, one iOS variant of OpenAPS, Trio, has released a version focused on usability with a beautiful interface and simplified onboarding, improving accessibility for people with type 1 diabetes and providers alike. Such initiatives and learning from the open-source community could ultimately pave the way to enabling wider adoption as the simplicity in their technical set-up evolves.

While data are encouraging and highlight the potential for systems that do not require meal announcements to improve

This review article was just published in *Diabetologia* and includes mention of Trio. Please have a read and then take a moment and send it to your endo provider!

Bluetooth Tracking Devices

AirTags, Tiles and other Bluetooth tracking devices can really save the day! Do you use them? Here's an **article in *Popular Mechanics*** describing their five favorite Bluetooth trackers for 2026. You can also search online for more options and good deals.

Urge the U.S. House to Support T1D Research Funding

The Special Diabetes Program (SDP) funds critical research that has improved lives and moves us closer to cures for T1D. Urge your U.S. Representative to support its long-term renewal!

Funding for the Special Diabetes Program (SDP) expires on January 30—and **timely action** is needed now to renew it.

Since its inception in 1997, the SDP has provided critical funding for efforts to prevent, treat, and ultimately cure type 1 diabetes (T1D). The SDP has yielded more than $50 billion in Federal healthcare savings through major innovations for the T1D community.

Continued on page 6

Continued from page 5

Last fall, our Breakthrough T1D community and advocates across the country took action to extend temporary funding for the SDP. Now, we have the opportunity to ensure that Congress enacts a longer-term extension of the SDP so that critical research progress continues.

Urge Congress to support the bipartisan, multi-year renewal of the Special Diabetes Program today!

SDP funding has directly advanced so many life-changing T1D breakthroughs, including automated insulin delivery systems, the first disease-modifying therapy to delay T1D onset, and many more- and with the promise of cell therapies on the horizon, continued research funding is crucial to accelerating our pathway to cures. Take action today to ensure that funding for the SDP remains strong.

Thank you for **making your voice heard** and supporting our mission!

Q&A from Facebook

Calling attention to helpful posts

Click on each question to "See what our experts said."

Is anyone out there currently trying to 'mod' the twiist Pump?

Is Trio without dynamic pretty much the same as Loop with autobolus strategy?

Can I build and move overseas?

How can I set up/ modify my Activity Island?

What's the latest on ChatGPT : Diabetes?

and **here's a Direct Link to the Diabettech Blog**