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Looping with Omnipod 5 pods

2026-Jun-12 The biggest news in open-source Automated Insulin Delivery (AID) or “Looping” as it is better known, was the 2026-Jun-05 announcement that by summer 2026 the Looping apps Loop and Trio, and by inference iAPS and AAPS, will support Omnipod 5 pods.

For years, Looping apps: **Loop, iAPS**, **Trio** and **AAPS** were strictly limited to Omnipod DASH or EROS pods. The Omnipod 5 (O5) system was locked down tight, forcing users to choose between the tubeless freedom of the O5 or more powerful and customizable Loop apps with tubeless Omnipod Dash pods.

The open-source developer community has officially **reverse-engineered the Omnipod 5**, opening the door for the O5 pods to be used with Loop, Trio, iAPS and AAPS. Below is a breakdown of what this means, why it matters, and how it completely shifts the landscape for tubeless loopers.

Why People Wanted to Reverse Engineer Omnipod 5

While the commercial Omnipod 5 is an excellent, life-changing system for many, experienced "Loopers" have often found its built-in algorithm too restrictive and conservative.

Feature	Commercial Omnipod 5	Loop/Trio/iAPS/AAPS
Target Glucose	6.1-8.3 mmol/L	4.8-10.0 mmol/L
Aggressiveness	Relies on gentle automated temporary basals and conservative auto-boluses	Uses SMB (Super Micro-Boluses) to aggressively blunt high blood sugars
Customization	Minimal user control over algorithm parameters	Limitless overrides, custom automation, and fine-tuning
Phone Support	Limited to specific compatible Android/iOS devices	Works broadly across modern smartphones

Because the Omnipod 5 algorithm does not have a true microbolus feature, meaning that correction of highs may take longer, many wanted to take the O5 hardware and pair it with the brains of the Loop app.

The Breakthrough: How it Works

The open-source community succeeded in decoding the secure Bluetooth communication protocol that the Omnipod 5 pod uses to talk to its official controller or official mobile app. Looping with Omnipod 5 will mean no more handheld controller. Just like with the DASH integration, the open source Looping apps running on your phone act as the brain and command the O5 pod directly via Bluetooth.

A Note on Safety: In the open-source community, reverse engineering doesn't mean something malicious. It means independent developers safely mapping out the commands so a phone can

tell the pump to deliver insulin exactly how a user prescribes it.

Why Use Omnipod 5 pods Over DASH pods for Looping?

If DASH pods already work perfectly fine with open-source Loop, why is the O5 support such a big deal?

1. **Insurance Safe-Haven:** Insurance and pharmacy benefit managers are aggressively moving users away from older generations. Many users have been forced by their insurance to upgrade to the Omnipod 5, effectively cutting them off from DIY looping. This breakthrough protects those users.
2. **Bluetooth Stability:** Insulet upgraded the internal Bluetooth chips in the Omnipod 5 compared to the DASH, which has historically suffered from pairing drops on newer smartphones (like the iPhone 16 series).

What Happens Next?

This code is making its way into public testing branches for systems like Loop, Trio, iAPS and AAPS. Your choice is to build the app yourself, perhaps with the help of a current Looper, using an Apple Developer account and following the community installation docs, or become a client at BCDiabetes: BCDiabetes staff will build, share, install, configure, adjust and troubleshoot the Loop apps on your phone at no charge as long as you are referred by a physician and are a Canadian resident other than in the Province of Quebec.
Short URL = https://bit.ly/4us8YaE