



TrioDocs

Version: 0.4.0

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Remote Control

Remote Control Overview

Trio can accept remote commands from Nightscout or from *LoopFollow*. There are a variety of options, but the final control of whether remote commands will be enacted rests with the Trio user. They can enable or disable remote control.

Nightscout version must be 15.0.2 or newer

To properly display the OpenAPS pill with Trio 0.5.x (or newer), your Nightscout version must be 15.0.2 (or newer). If you do not see the expected treatments or pills in the Nightscout dashboard, follow the steps to [Configure for OpenAPS](#).

The most powerful arrangement, for Trio 0.5.x (or newer), is to configure the *LoopFollow* app to use the Trio Remote Control (TRC) setting.

The limited use of remote control with Nightscout, i.e., entry of Carb Correction and Temporary Targets when Careportal is authenticated, continues to be supported with Trio.

<u>Nightscout</u>URL or App	Options
Careportal	Carb Correction Temporary Target Temporary Target Cancel

Additional remote capabilities are offered for Trio using the *LoopFollow* app with these versions:

- Trio 0.5.x (or newer)
- *LoopFollow* version 2.4.0 (or newer)

<i>LoopFollow</i> Remote Type	Options
<u>Nightscout</u>	Set and Cancel Temp Target
Trio Remote Control	Meal (Carbs or Carbs & Bolus) Bolus Temp Target Overrides

? How does this differ from Trio 0.2.x?

Trio can use *Nightscout* Careportal to enter `Carb Correction`, and start and cancel `Temporary Target`.

- This was available in Trio 0.2.x and continues to be available in Trio 0.5.x (or newer).

Trio 0.2.x supported other remote options (using announcements via Careportal).

- Those options were replaced by the more secure Trio Remote Control for Trio 0.5.x (or newer)
- **Using announcements to provide remote control of the Trio phone is no longer supported**

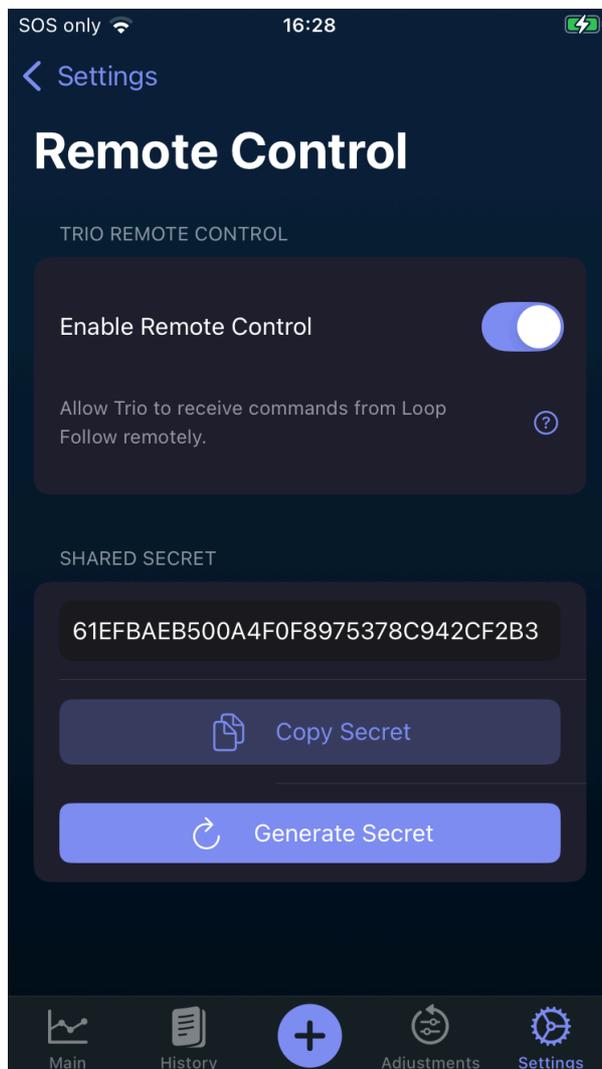
Trio Remote Control

Default: *OFF*

Remote control must be enabled on the Trio phone or no remote information is accepted by the Trio phone.

You can search for this screen in Trio settings or go through the sequence: Trio, Settings, Features, Remote Control.

Once Remote Control is enabled, a Shared Secret is available. This is only used if you want to [Configure LoopFollow Trio Remote Control](#).



When Remote Control is enabled on the Trio app and the *LoopFollow* phone is properly configured, you can add carbs, send boluses, set or cancel overrides or temporary targets from the *LoopFollow* phone to the Trio phone via *Apple* push notifications.

The `SHARED SECRET` should be copied from the Trio phone and added to the `Shared Secret` row of the *LoopFollow* Remote Settings screen as part of the configuration for using *LoopFollow*.

Important

The ability for the Trio app to be remotely controlled will be **disabled** when `Enable Remote Control` is turned OFF, even if you have *LoopFollow* configured with the correct shared secret or your *Nightscout* URL has Careportal access. This is for the protection of the Trio user, so that they **always** are the primary controller of their insulin dosing app.

LoopFollow Overview

Experienced *LoopFollow* users should still read this section - it touches on important configuration requirements for remote control.

The graphic below shows the *LoopFollow* features on the main screen of the app.

The image displays two screenshots from the Nightscout mobile application. The left screenshot shows the main dashboard with various data points and graphs. The right screenshot shows the 'Information Display Settings' menu where users can toggle the visibility of different data series.

Glucose
 104
 → +3
 0 min ago
 ↻ 79

Glucose Trend

Last Loop Cycle Eventual Glucose

Scrollable/scalable graph display with BG, IOB, COB, Basal, Bolus, and the General Nightscout Careportal info

24-hour graph

24-hour results

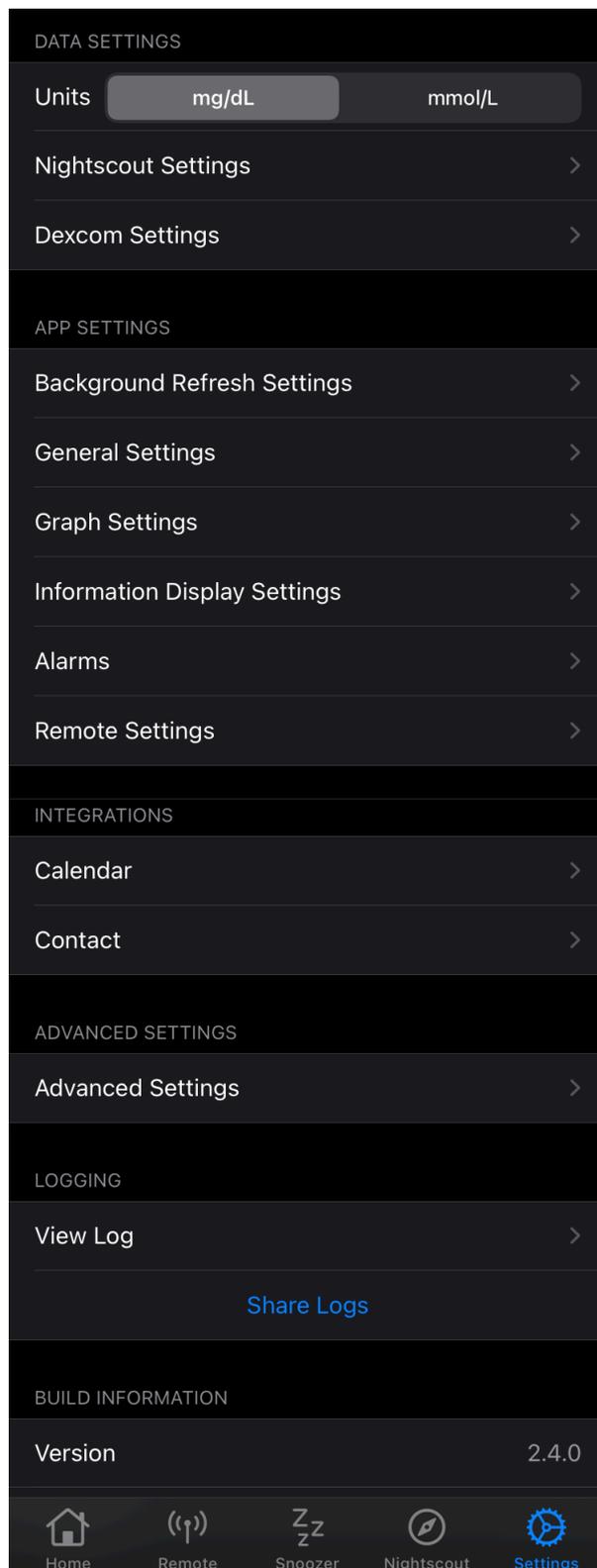
Toolbar

Information Display Settings

Setting	Status
IOB	On
COB	On
Basal	On
Override	On
Battery	Off
Pump	Off
SAGE	On
CAGE	On
Rec. Bolus	On
Min/Max	Off
Carbs today	Off
Autosens	On
Profile	On
Target	Off
ISF	Off
CR	Off
Updated	Off
TDD	On
IAGE	Off

LoopFollow Settings

You tap on the settings icon at the bottom right of the toolbar to configure *LoopFollow*. The setting screen is shown in the graphic below.



LoopFollow Data Source

You provide *LoopFollow* with information about the person you are following. At least one of these must be entered:

- [Nightscout URL](#)
- [Dexcom Share credentials](#)

Add [Nightscout](#)

Nightscout Access

It is possible to have your Nightscout site readable by the world, in which case you do not need to add a token. If you choose to do that, just ignore references to entering the token below. The status will show up as `OK (Read)`.

The only exception is if you choose to [Use LoopFollow Nightscout Remote Control](#). In that case, you must have a token with careportal access.

For more information:

- [Admin Tools in Nightscout](#)

The Nightscout URL is required to enable display of the Information Table. It is recommended that you secure your Nightscout site so a token is required to view it. The type of token depends on the type of remote control desired. The table below indicates the minimum token access for each type of remote control available with Trio. When you enter your credentials, *LoopFollow* tries to reach the site and then provides the status.

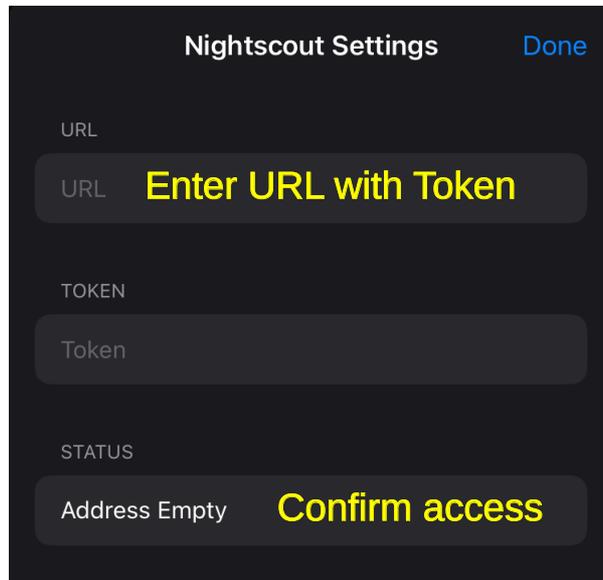
LoopFollow Remote Type	Minimum Token Access	LoopFollow Status
None	Read	OK (Read)
<u>Nightscout</u>	Read & Careportal	OK (Read & Write)
Trio Remote Control	Read	OK (Read)

Do I need a token for Trio Remote Control

The security for using *LoopFollow* Trio Remote Control comes from the Shared Secret and the APNS credentials. Your Nightscout site can be readable by the world if you so choose. In that case, no token is required and status will appear as `OK (Read)`.

The graphic below shows the display when you tap on the Nightscout Settings row.

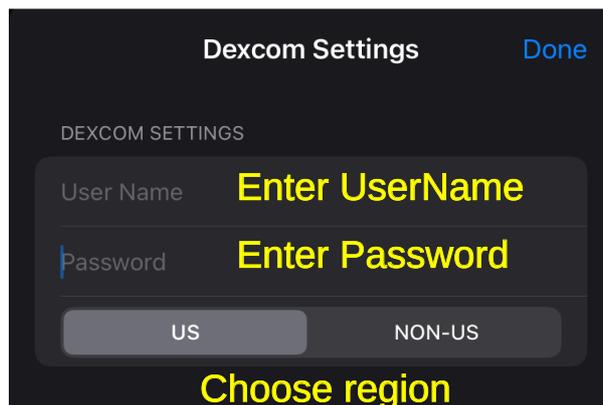
To simplify setup, you can copy your Nightscout URL (including the token) from the [Admin Tools in Nightscout](#). When pasted into LoopFollow URL row, the app will automatically extract and fill in both the URL and token.



Add Dexcom

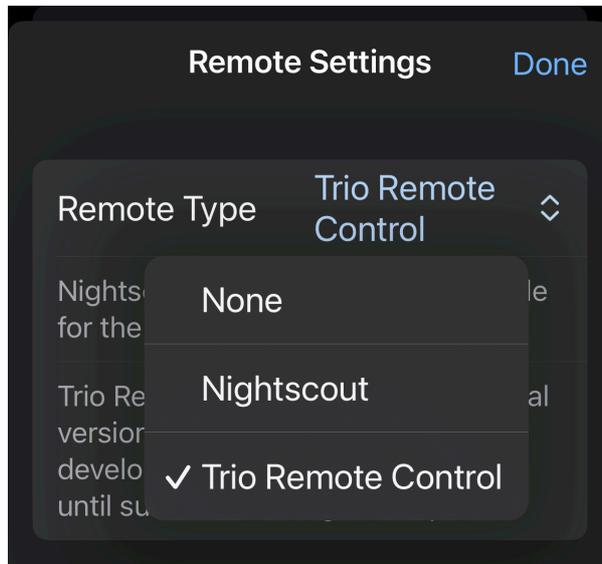
The graphic below shows the display when you tap on the *Dexcom* Settings row.

The *Dexcom* Share credentials are optional, but can be useful when the *Nightscout* URL is unavailable.



LoopFollow Remote Setting Type

The Remote Settings row in the *LoopFollow* Settings screen is used to select the type of remote access you wish to use.



The Trio Remote Control option is not available

The `Trio Remote Control` option is only available in *LoopFollow* if you have already entered a [Nightscout URL](#) with a default profile recognized as a Trio profile. Review [Troubleshooting](#) for possible reasons for not seeing the option.

- [Nightscout](#) option
 - Remote control with *LoopFollow* is limited to starting and canceling Temp Targets
 - Available with Trio 0.2.x
- Trio Remote Control option
 - Remote control with *LoopFollow* includes adding remote carbs, enacting remote bolus, and starting and canceling Temp Targets and Overrides
 - Requires Trio 0.5.x (or newer) and *LoopFollow* 2.4.x (or newer)
 - Continue with [Configure LoopFollow Trio Remote Control](#) to finish the configuration process

LoopFollow Remote Options

The *LoopFollow* app provides amazing display and alarm capabilities, whether remote control is enabled or not.

It can be used with the Trio or the [Loop](#) app with the `Nightscout` option for starting and stopping temp targets (Trio) or overrides (`Loop`).

The graphic below shows the top portion of the Remote Settings screen when `None`, `Nightscout` or `Trio Remote Control` is selected. The lower portion of the screen is found in the [Guardrails](#) section.

