

First of all,

If you do not have an Android version over 4.2 and you want to see this widget from the lock screen you will need **DoDol Locker (it is free)** or a similar app (look for it in your play store).

This widget was created to have a direct view of the azure data without accessing the website.

## Install

- Download the apk or download the source code and compile your own apk.
- Use your file browser on your phone to install the apk.

## Config

The first time you install the widget it will show a preference screen:

**NightWidget**

Monitor

**Type**  
Medtronic CGM

**Medtronic CGM ID**  
455867

**Widget Refresh Period**  
1 min.

**Max. insulin units**  
300

**Activate Alarms**  
Deactivated. No alarms will be raised. ☐

**Alert Thresholds**

**Sharing**

**MongoDB URI**  
mongodb://  
:@ds.  
mongolab.com:/


**Collection Name**  
cgm

**WEB URI**  
http://{yourwebname}.  
azurewebsites.net

**Disclaimer**

**I UNDERSTAND**  
Activated. Nightwidget should not be used to make medical decisions. There is no

1. **Type.** Select your device type:
  - a. Medtronic
  - b. Dexcom
2. **Medtronic CGM ID.** ONLY if you have selected Medtronic Type. You must set the ID of your Medtronic pump to get access to Medtronic additional info.
  - a. **Widget Refresh Period.** The widget will be refreshed each: 1 Min., 2 Min., 3 Min., 4 Min., 5 Min., 10 Min., 15 Min., 20 Min., 30 Min., 60 Min.
3. **Max Insulin Units.** ONLY if you have selected Medtronic Type. You must set capacity of insulin units in the pump.
4. **Activate Alarms.**
  - a. **Off.** No alarms will be raised
  - b. **On.** Widget alarms are active, a sound alert will be raised on customizable conditions.
5. **Alert Thresholds (Submenu).** Enabled if Activate Alarms is On, Disabled otherwise.


**Alert Thresholds**

**Conn. lost alarm**

A sound alert will be raised when no new data is received for a 'user configurable' time

☒

**Choose Alarm Sound**

Choose Alarm Sound

**Time Threshold**

15 min.

**Alarm on error v.**

No sound alert will be raised when a strange/ error value is received in sgv data

☐

**Choose Alarm Sound**

Choose Alarm Sound

**Sound Alarm**

A sound alert will be raised when alarm thresholds are exceeded

☒

**Choose Alarm Sound**

Choose Alarm Sound

**Sound Warning**

A sound alert will be raised when warning thresholds are exceeded

☒

**Choose Warning Sound**

Choose Warning Sound

**Upper Warning**

140

**Lower Warning**

80

**Upper Alarm**

170 Copiado al portapapeles

**Lower Alarm**

70

- a. **Connection Lost Alarm.**
    - i. **On.** A sound alert will be raised when no new data is received for a “user configurable” time.
    - ii. **Off.** No alert will be raised.
  - b. **Choose Alarm Sound.** Set the alarm sound track to be played as alarm.
  - c. **Time Threshold.** Time after which the widget will raise the connection lost alarm.
  - d. **Alarm on Error value.**
    - i. **On.** A sound alert will be raised when a strange/error value is received as sgV data.
    - ii. **Off.** No alert will be raised.
  - e. **Choose Alarm Sound.** Set the alarm sound track to be played as alarm.
  - f. **Sound Alarm.**
    - i. **On.** A sound alert will be raised when alarm thresholds are exceeded.
    - ii. **Off.** No alert will be raised.
  - g. **Choose Alarm Sound.** Set the alarm sound track to be played as alarm.
  - h. **Sound Warning.**
    - i. **On.** A sound alert will be raised when warning thresholds are exceeded.
    - ii. **Off.** No alert will be raised.
  - i. **Choose Warning Sound.** Set the alarm sound track to be played as warning.
  - j. **Upper Warning.** Upper Warning Threshold.
  - k. **Lower Warning.** Upper Warning Threshold.
  - l. **Upper Alarm.** Upper Alarm Threshold.
  - m. **Lower Alarm.** Lower Alarm Threshold.
6. **MongoDB URI.** Set the address to your Mongo database (It must be the same address used in Nightscout uploader).
  7. **Collection Name.** Set the sgV entries collection name in the mongo data base. (It must be the same collection name used in Nightscout uploader)
  8. **WEB URI.** Set the address of your Nightscout web site (azure or other) you will be redirected to this address when the widget icon is pressed.
  9. **Disclaimer (I Understand).**
    - a. **On.** You must accept to activate the widget functionalities.
    - b. **Off.** The widget is turned off.

#### Medtronic view



Widget Icon → Sgv Value → trend arrow → Pump battery level → Insulin Left.

Phone battery (uploader) → Time since last value received.

## DexCom view



Widget Icon → Sgv Value → trend arrow.

Phone battery (uploader) → Time since last value received.