

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 **DoDoLocker (it is free)** or a similar app (look for it in your play store).

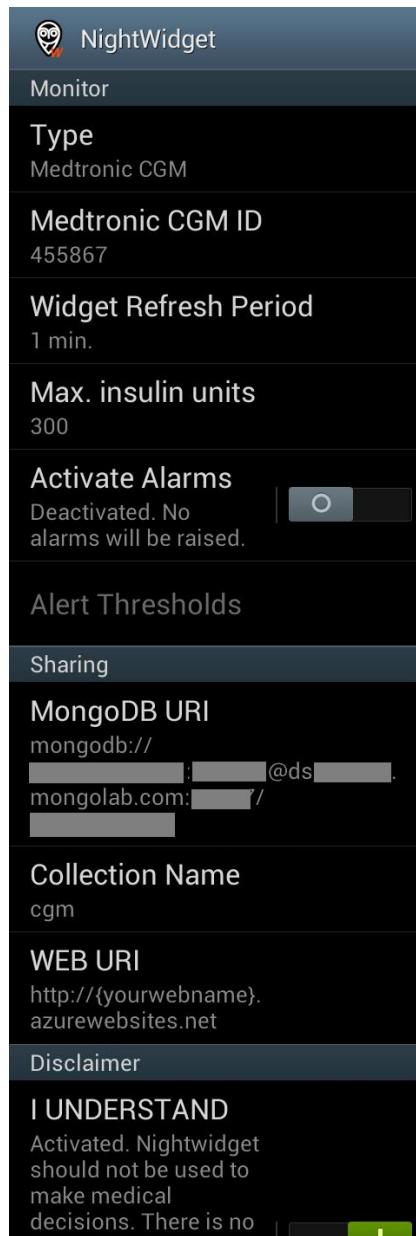
This widget was created to have a direct view of the azure data without accessing the website.

Install

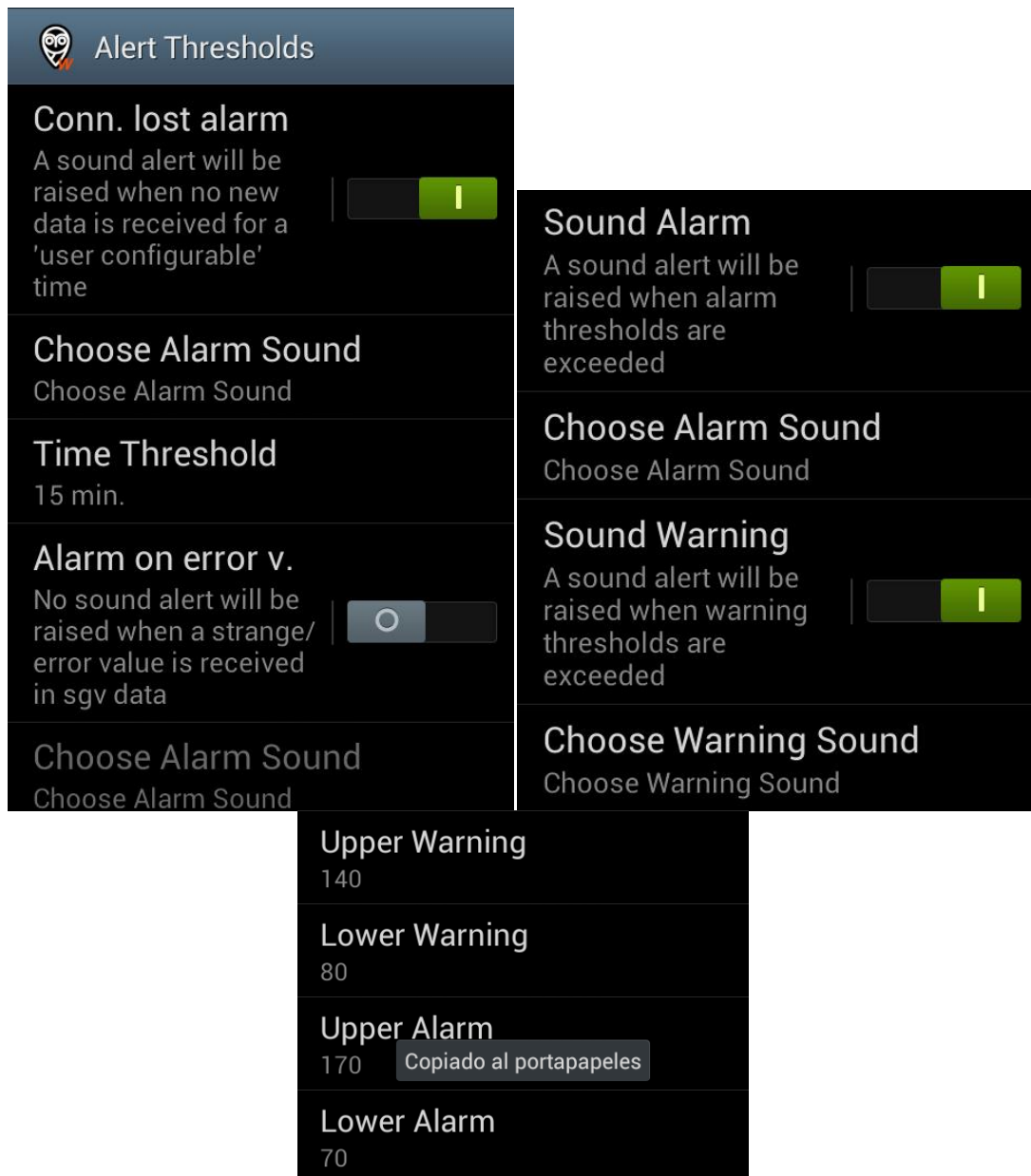
- Download the apk (<https://github.com/arbox0/NightWidget/releases>) or download the source code and compile your own apk.
- Use your file browser on your phone to install the apk.

Config

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



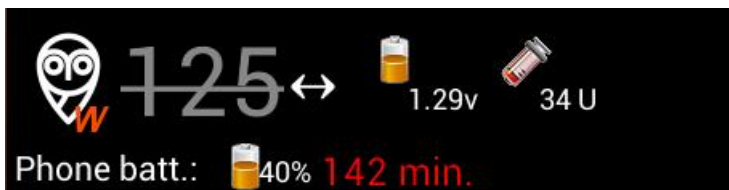
1. **Type.** Select your device type:
 - a. Medtronic
 - b. Dexcom
2. **Medtronic CGM ID.** ONLY if you have selected Medtronic Type. You must set the ID of your Medtronic pump to get access to Medtronic additional info.
 - a. **Widget Refresh Period.** The widget will be refreshed each: 1 Min., 2 Min., 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.



- a. **Connection Lost Alarm.**
 - i. **On.** A sound alert will be raised when no new date 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.

If you see:

125?! → Last calibration has failed, value received 125

125! → not ideal calibration but good enough, value received 125

125? → last calibration is > 12 hours old, value received 125
125* → is calibrating, value received 125
125+ → is calibrating second stage, value received 125
NC → not calibrated
DB? → database error??