First of all,

If you must have an Android version over 4.2.2

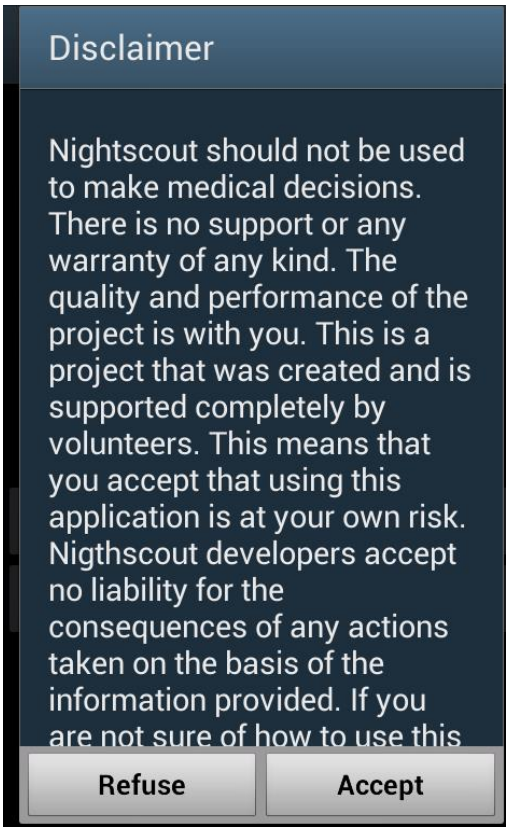
This App was created to have a direct view of the azure data without accessing the website. This is an app oriented to TABLETS not to phones however if your smart phone has a big screen this app could be used also in it.

Install

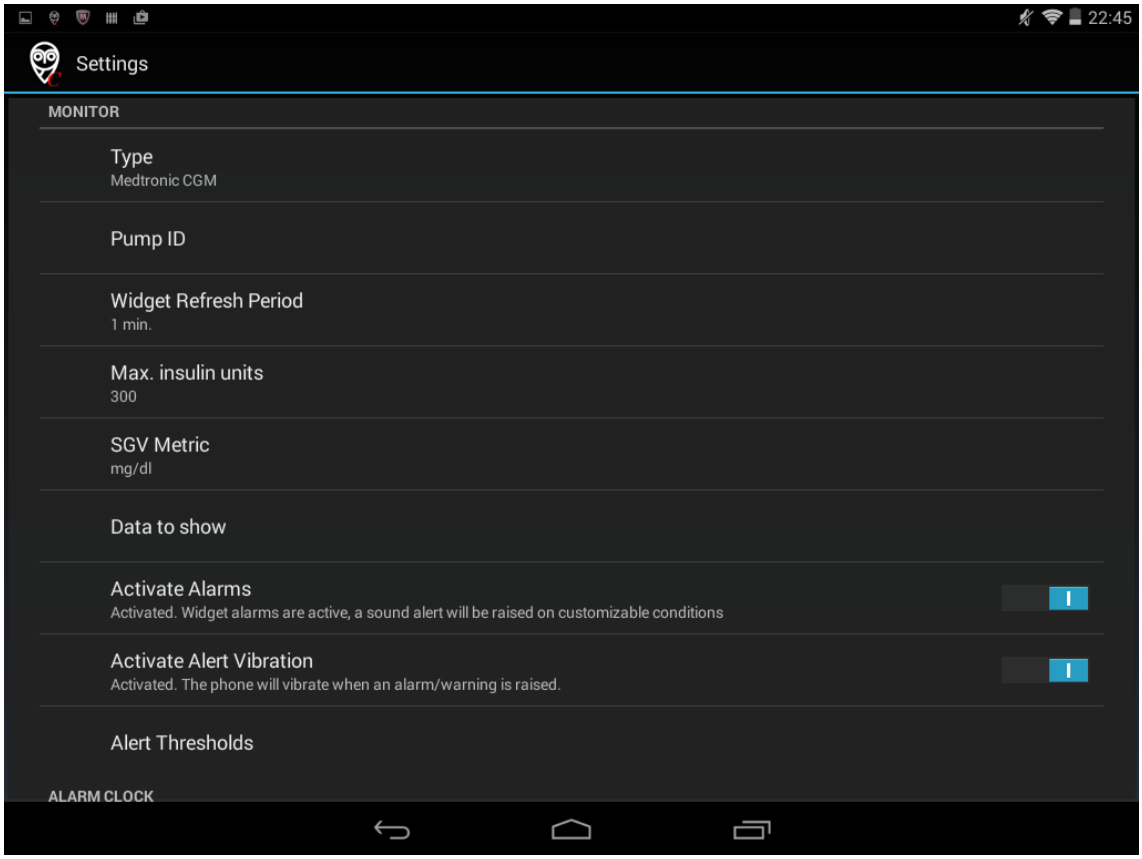
- Download the apk (https://github.com/arbox0/NightClock/releases) or download the source code and compile your own apk.
- Use your file browser on your phone to install the apk.

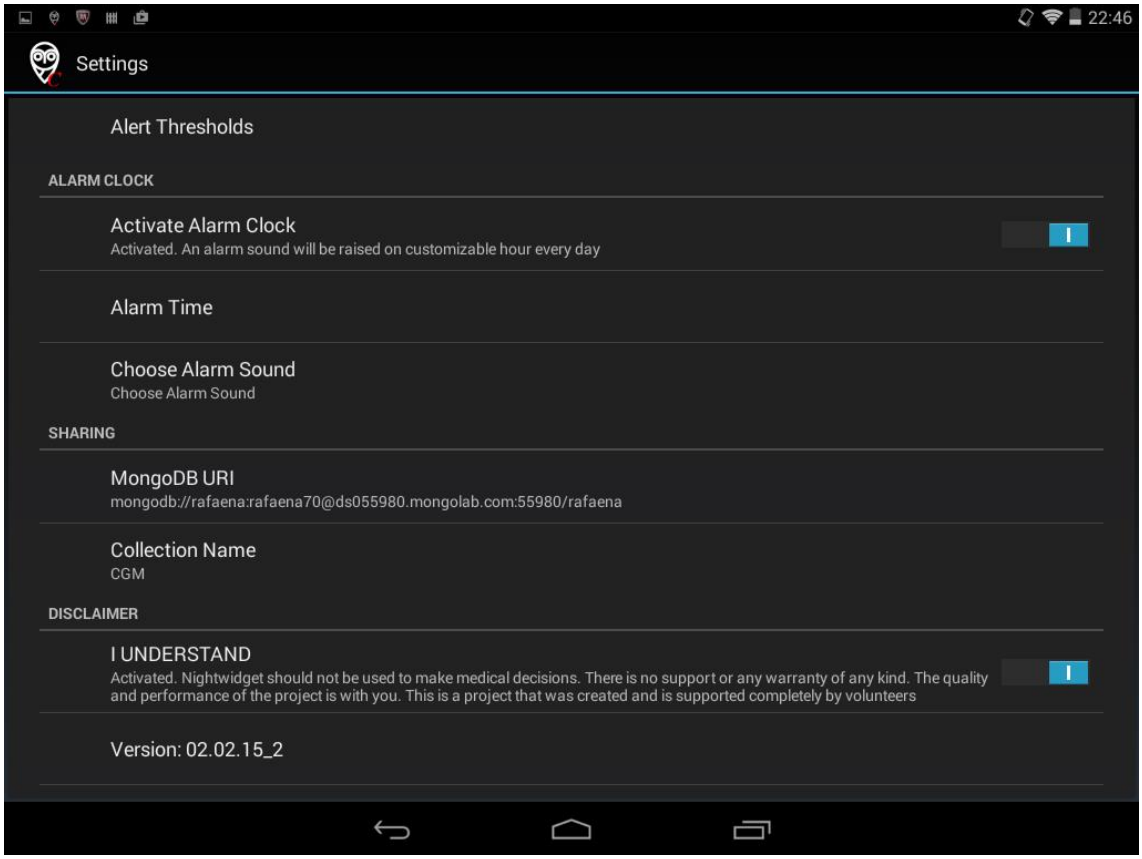
Config

The first time that you execute NightClock you will see this screen:

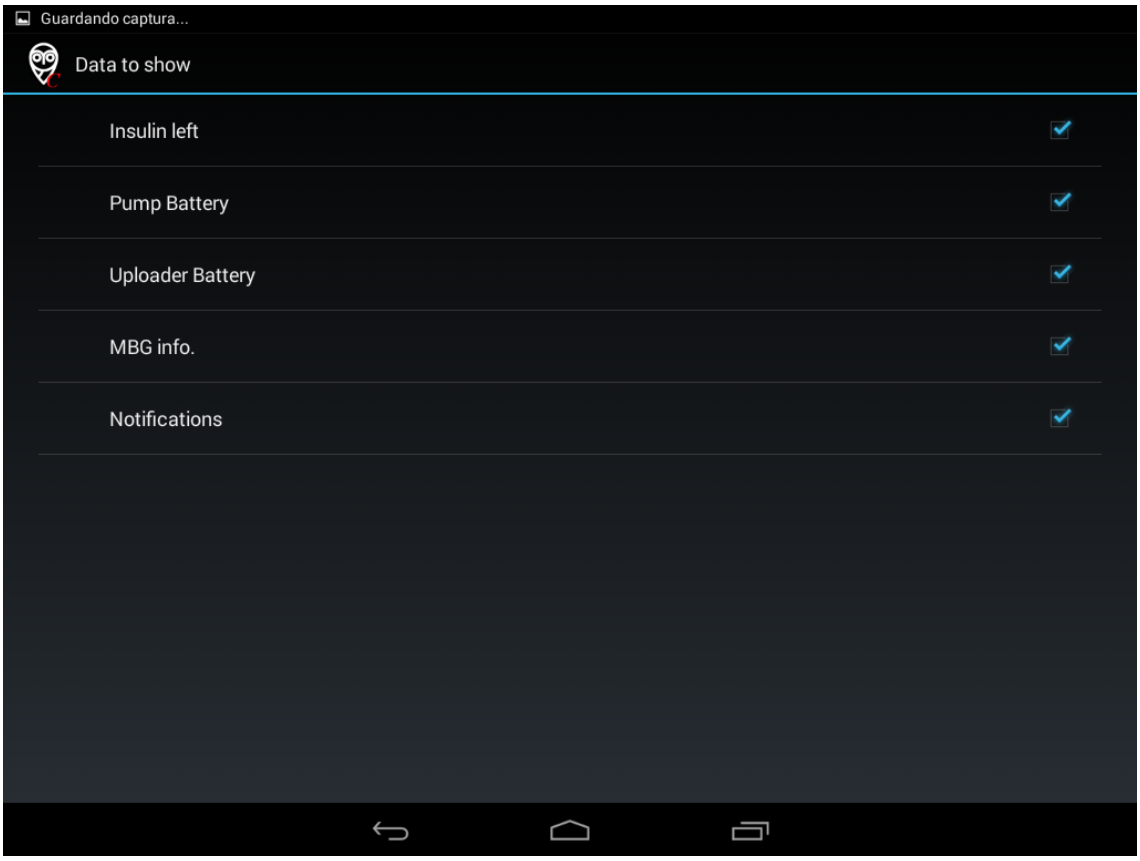


Please read carefully and if you agree, press Accept button, otherwise press Refuse button (this last option will kill the application).

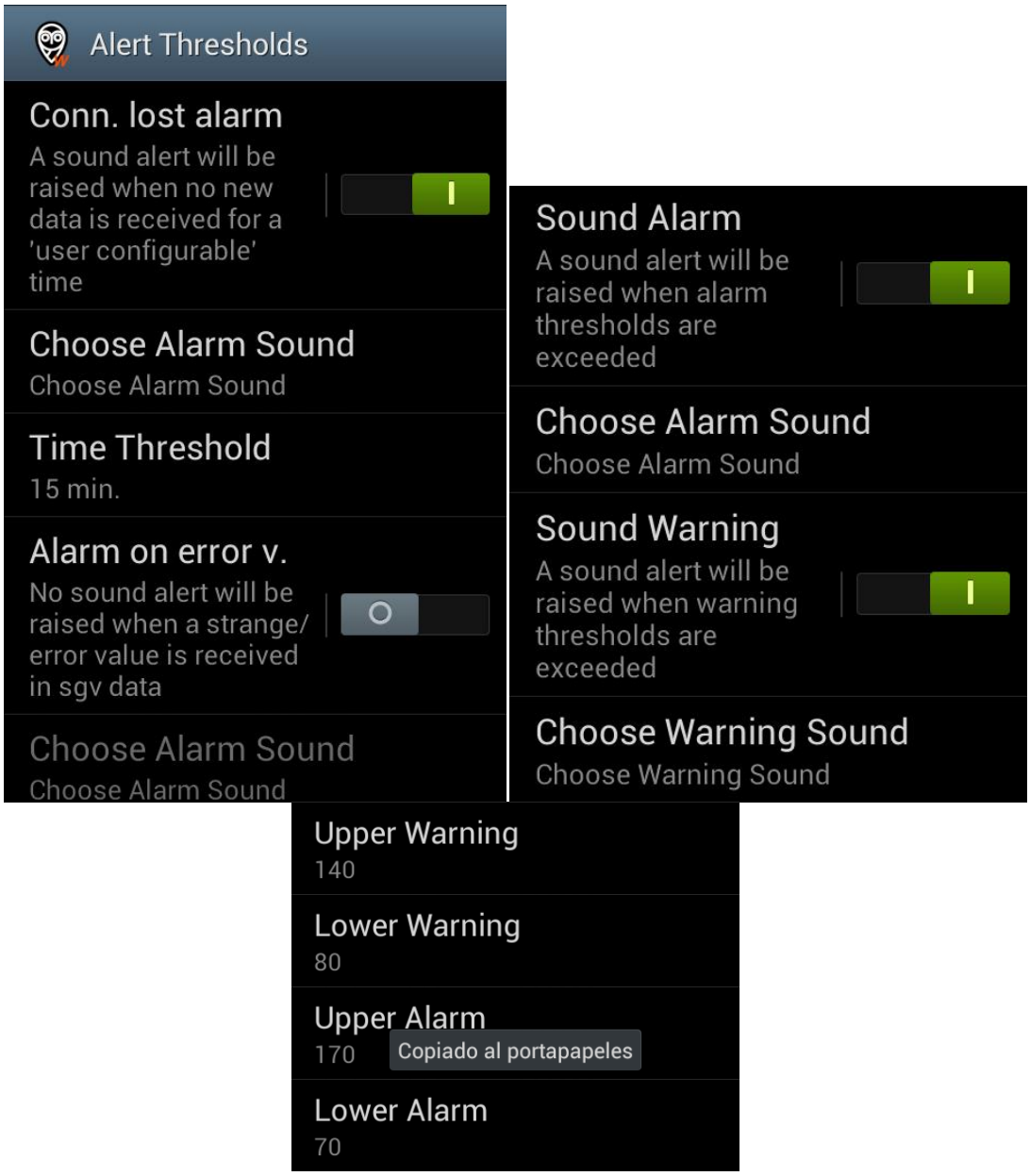

22:45
Settings
MONITOR
Type
Medtronic CGM
Pump ID
Widget Refresh Period
1 min.
Max. insulin units
300
SGV Metric
mg/dl
Data to show
Activate Alarms
Activated. Widget alarms are active, a sound alert will be raised on customizable conditions
Activate Alert Vibration
Activated. The phone will vibrate when an alarm/warning is raised.
Alert Thresholds
ALARM CLOCK


22:46
Settings
Alert Thresholds
ALARM CLOCK
Activate Alarm Clock
Activated. An alarm sound will be raised on customizable hour every day
Alarm Time
Choose Alarm Sound
Choose Alarm Sound
SHARING
MongoDB URI
mongodb://rafaena:rafaena70@ds055980.mongolab.com:55980/rafaena
Collection Name
CGM
DISCLAIMER
I UNDERSTAND
Activated. Nightwidget should not be used to make medical decisions. There is no support or any warranty of any kind. The quality and performance of the project is with you. This is a project that was created and is supported completely by volunteers
Version: 02.02.15_2

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 nightclock 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. **Data to Show**. This preference shows a menu to select which options will be shown on your screen if data is available on your MongoDB.



5. **Activate Alarms**.
    a. **Off**. No alarms will be raised
    b. **On**. Clock alarms are active, a sound alert will be raised on customizable conditions.
6. **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 nightclock 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.

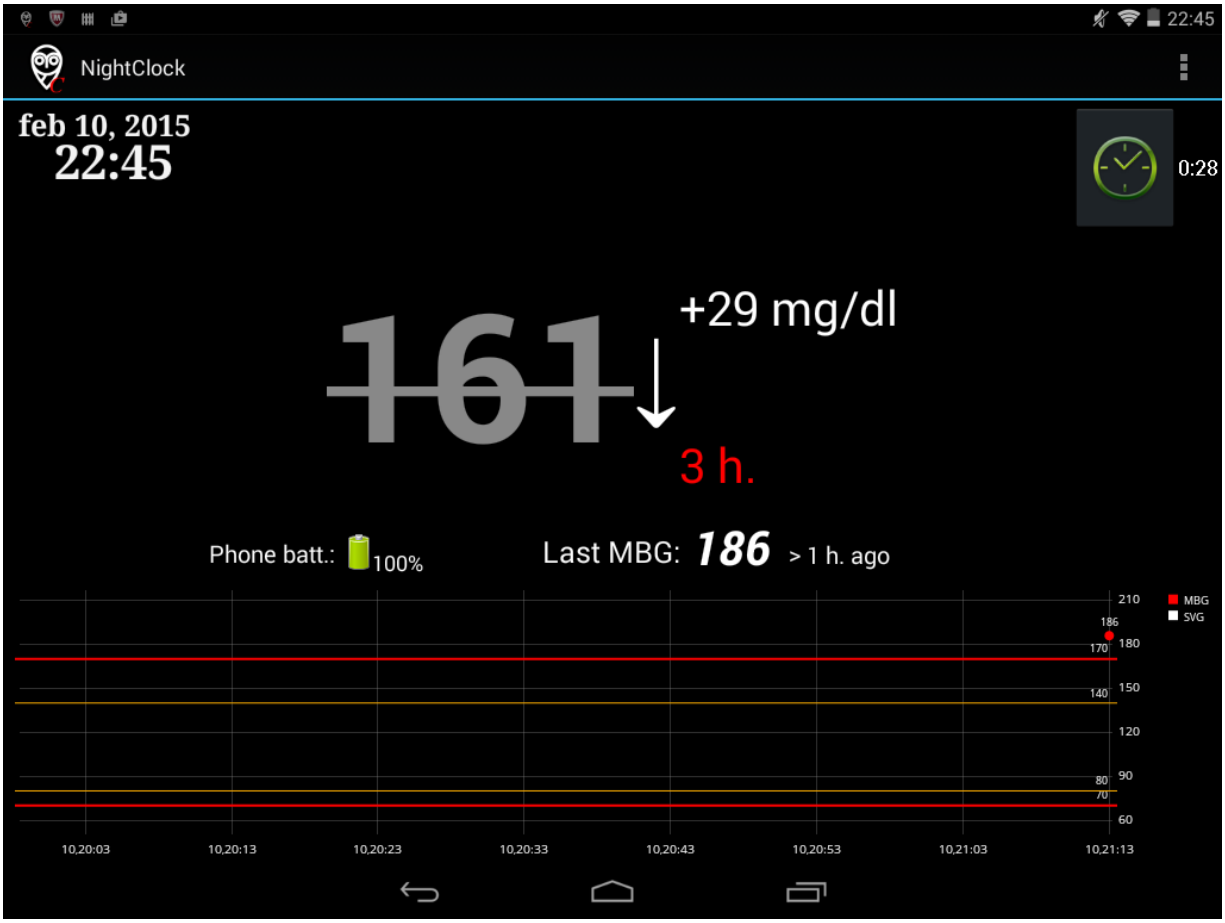
m. **Lower Alarm**. Lower Alarm Threshold.

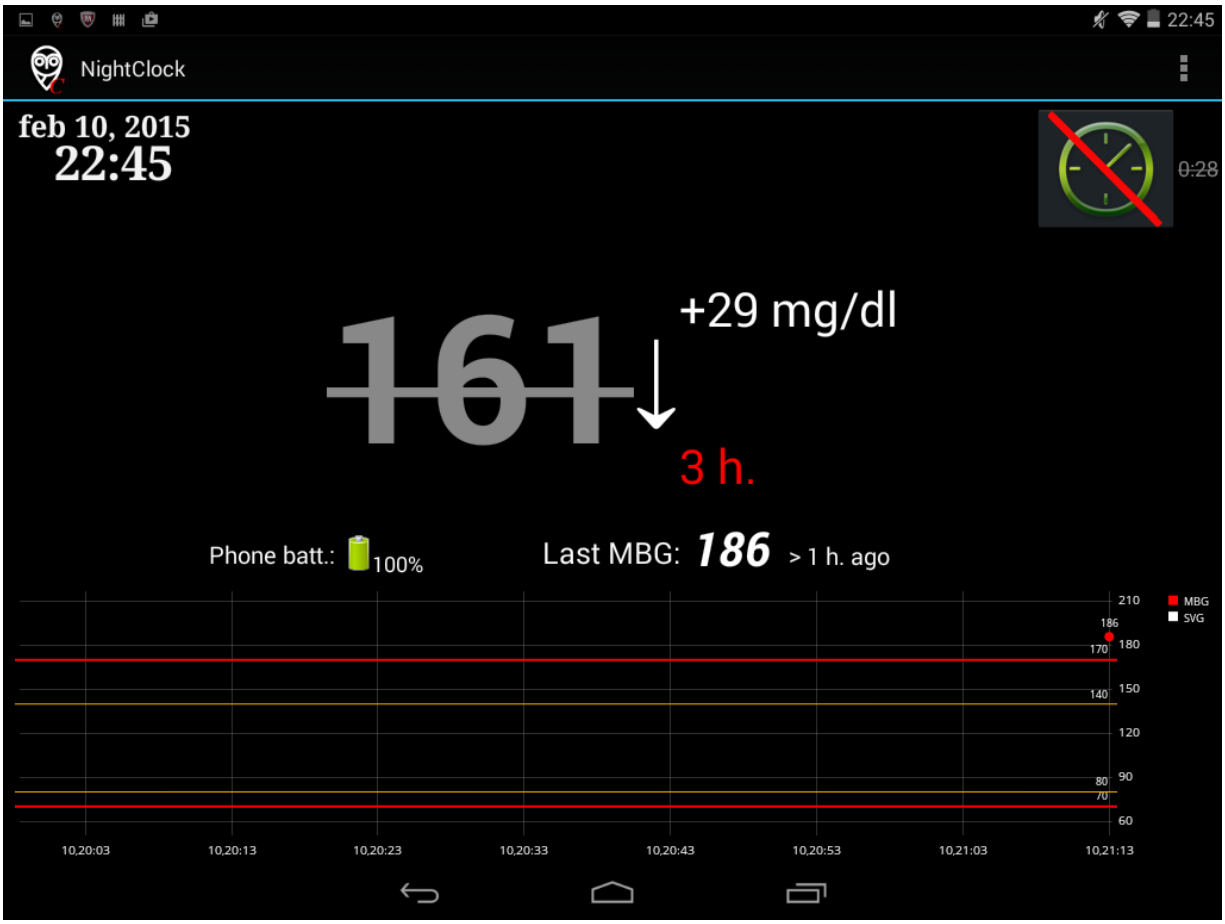
7. **MongoDB URI**. Set the address to your Mongo database (It must be the same address used in Nightscout uploader).
8. **Collection Name**. Set the sgv entries collection name in the mongo data base. (It must be the same collection name used in Nightscout uploader)
9. **Disclaimer (I Understand)**.

a. **On**. You must accept to activate the nightclock functionalities.

b. **Off**. The nightclock is turned off.

NightClock View





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??