# Monitor Nightscout Clock



Questo documento fornisce le istruzioni necessarie a la realizzazione del progetto di Artiom Kenibasov, come presentato in Github (serve un computer Windows).

Leggilo prima di cominciare per essere sicuro di avere le conoscenze e il materiale necessario.

#### Funziona solo con Nightscout

Documentazione ufficiale: <u>GitHub - ktomy/nightscout-clock</u>

Per la presente guida stiamo usando un pc con il sistema operativo Windows 10 Pro

L'utilizzo è soggetto all'assunzione di esclusiva responsabilità personale.

### Sommario

1.	Materiale occorrente	. 2
2.	Installazione	. 3
3.	Collega il dispositivo al tuo WIFI	. 7
4.	Imposta il tuo NSCLOCK	. 9

#### 1. Materiale occorrente

Serve un orologio Ulanzi TC001. Lo troverai facilmente su Ali Express oppure sul sito del produttore: https://www.ulanzi.com







#### 2. Installazione

Collega il dispositivo al computer con il cavo USB fornito.

Da internet via sul sito <u>GitHub - ktomy/nightscout-clock</u> e clicca su installing

E README.md



If you already have an Ulanzi clock, you can try installing the Nightscout clock firmware

What already works @

Si aprirà la seguente pagina, clicca su CONNECT

#### Nightscout clock installer

This page is part of the <u>Nightscout Clock</u> project. It allows you to transform an Ulanzi TC001 programmable clock into a device showing blood sugar values through <u>Nightscout</u>

Here are the steps to install the firmware

- Buy Ultanzi TC001 from Aliexpress (e.g. from here)
- Turn on the device by pressing < and > buttons for 3 seconds
- Connect the device to your computer using the USB cable
- Click the CONNECT button below
- Follow the instructions



3 L'utilizzo è soggetto all'assunzione di esclusiva responsabilità personale. Nel caso in cui comparirà questa schermata, con l'errore **No port selected** clicca su **TRY AGAIN** e controlla che il cavo dell'orologio sia collegato bene alla porta USB del tuo PC/laptop.

If you didn't select a port because you didn't see your device listed, try the following steps:  1. Make sure that the device is connected to this computer (the one that runs the browser that shows this website)  2. Most devices have a tiny light when it is powered on. If yours has one, make sure it is on.  3. Make sure you have the right drivers installed. Below are the drivers for common chips used in ESP devices:  • CP2102 (square chip): driver • CH341: driver	This TCO Nig	name is nort of the Nightscout Clock project. It allows you to transform an Ulan No port selected
<ol> <li>Make sure that the device is connected to this computer (the one that runs the browser that shows this website)</li> <li>Most devices have a tiny light when it is powered on. If yours has one, make sure it is on.</li> <li>Make sure you have the right drivers installed. Below are the drivers for common chips used in ESP devices:         <ul> <li>CP2102 (square chip): <u>driver</u></li> <li>CH341: <u>driver</u></li> </ul> </li> </ol>	Не	If you didn't select a port because you didn't see your device listed, try the following steps:
<ol> <li>Most devices have a tiny light when it is powered on. If yours has one, make sure it is on.</li> <li>Make sure you have the right drivers installed. Below are the drivers for common chips used in ESP devices:         <ul> <li>CP2102 (square chip): <u>driver</u></li> <li>CH341: <u>driver</u></li> </ul> </li> </ol>		<ol> <li>Make sure that the device is connected to this computer (the one that runs the browser that shows this website)</li> </ol>
<ul> <li>3. Make sure you have the right drivers installed. Below are the drivers for common chips used in ESP devices:</li> <li>CP2102 (square chip): <u>driver</u></li> <li>CH341: <u>driver</u></li> </ul>		<ol><li>Most devices have a tiny light when it is powered on. If yours has one, make sure it is on.</li></ol>
<ul> <li>CP2102 (square chip): <u>driver</u></li> <li>CH341: <u>driver</u></li> </ul>		<ol> <li>Make sure you have the right drivers installed. Below are the drivers for common chips used in ESP devices:</li> </ol>
∘ CH341: <u>driver</u>		<ul> <li>CP2102 (square chip): <u>driver</u></li> </ul>
		has one, make sure it is on. 3. Make sure you have the right drivers installed. Below are the drivers for common chips used in ESP devices: • CP2102 (square chip): <u>driver</u> • CH341: <u>driver</u>

Nella finestra dovrebbe apparire questo:

ktomy.github.io desidera	a connettersi a una porta seriale	And and a second se
USB Serial (COM3)		k installer
		ut Clock project. It allows you to transform an Ulanzi a device showing blood sugar values through
	Connetti	
	<ul> <li>Buy Ultanzi TC001</li> <li>Turn on the device</li> </ul>	from Aliexpress (e.g. from <u>here</u> ) by pressing < and > buttons for 3 seconds
		e to your computer using the USB cable
	<ul> <li>Connect the device</li> </ul>	e to your compation and give over cases
	Connect the devic     Click the CONNEC	T button below
	Connect the device     Click the CONNEC     Follow the instruct	T button below tions
	Connect the device     Click the CONNEC     Follow the instruct	CONNECT

Seleziona la porta USB e Conetti

#### Potresti riscontrare un'altro errore:

	ktomy.github.io dice
Nigh	Failed to execute 'open' on 'SerialPort': Failed to open serial port.
This page TC001 pro <u>_</u> <u>Nightscout</u>	ок с nak ugh
Here are the	e steps to install the firmware
<ul> <li>Buy Ul</li> <li>Turn o</li> <li>Conne</li> <li>Click t</li> <li>Follow</li> </ul>	Itanzi TC001 from Aliexpress (e.g. from <u>here</u> ) on the device by pressing < and > buttons for 3 seconds ect the device to your computer using the USB cable he <b>CONNECT</b> button below of the instructions

Clicca **OK** e di nuovo **Conetti** come nell'immagine precedente, eventualmente cambia la porta USB, se ne hai un'altra disponibile

Se il collegamento tra l'orologio e il tuo PC andrà a buon fine ti comparirà la seguente schermata

Nightscout clock installer	
This page is part of the <u>Nightscout Clock</u> project. It allows you to transform an Ulanzi TC001 programmable clock into a device showing blood sugar values through <u>Nightscout</u>	
Here are the steps to install the firmware Buy Utanzi TCO01 from Aliexpress (e.g. from here) Turn on the dev Connect the dev Connect the dev Connect the dev Follow the instru- Follow the instru- INSTALL NIGHTSCOUT CLOCK LOGS & CONSOLE	108 -6.0 mg/dt. 1 minuto ago

Clicca su INSTALL NIGHTSCOUT CLOCK

Se tutto va bene inizierà l'istallazione:

Nightsco This page is part o TC001 programm Nightscout	out clock installer of the <u>Nightscout Clock</u> project. It allows you to transform an Ulanzi able clock into a device showing blood sugar values through
Here are the ste Buy Ultan: Turn on th Connect th Click the C Follow the	Installing Nightscout clock
	Installing This will take 2 minutes. Keep this page visible to prevent slow down
	120 → +1.0 mg/dL 5 minutes ago

Abbi pazienza, ci vorrà poco.

Non chiudere la pagina che stai seguendo!

Fra poco l'istallazione è avvenuta con successo.

Clicca NEXT

Nightscout clock installer
This page is part of the <u>Nightscout Clock</u> project. It allows you to transform an Ulanzi TC001 programmable clock into a device showing blood sugar values through <u>Nightscout</u>
Here are the steps to install the firmware
<ul> <li>Buy Ultanzi TC00</li> <li>Turn on the devic</li> <li>Connect the devi</li> <li>Click the CONNE</li> <li>Follow the instruction completed</li> </ul>
130 ≯ +10.0 mg/dL 2 minutes ago

## 3. Collega il dispositivo al tuo WIFI

Il dispositivo cercherà una connessione WIFI per collegarsi.

Nightscout clock installer This page is part of the <u>Nightscout Clock</u> project. It allows you to transform an Ulanzi TC001 programmable clock into a device showing blood sugar values through <u>Nightscout</u>	
Here are the steps to install the firmware  Buy Ultanzi TC00 Turn on the devia Connect the devi Click the CONNE Follow the instrue Scanning for networks	
	<b>130</b> +10.0 mg/dL 2 minutes ago

Collega il dispositivo alla tua WIFI

<b>Nightsc</b> This page is part TC001 program <u>Nightscout</u>	c <b>out clock installer</b> t of the <u>Nightscout Clock</u> project. It allows you to transform an Ulanzi mable clock into a device showing blood sugar values through	
Here are the st Buy Ultar Turn on t Connect Click the Follow th	Configure Wi-Fi Enter the credentials of the Wi-Fi network that you want your device to connect to. Network TIM-98879186	
	SKIP CONNECT 130 / + 10.0 mg/dL 2 minutes ago	

7 L'utilizzo è soggetto all'assunzione di esclusiva responsabilità personale. Dopo aver inserito la password della tua WiFI di casa il dispositivo si collegherà

Nightscout clock installer
This page is part of the <u>Nightscout Clock</u> project. It allows you to transform an Ulanzi TC001 programmable clock into a device showing blood sugar values through <u>Nightscout</u>
Here are the steps to install the firmware
<ul> <li>Buy Ultanzi TC00</li> <li>Turn on the devia</li> <li>Configure Wi-Fi</li> <li>Configure Wi-Fi</li> <li>Click the CONNE</li> <li>Follow the instruct</li> <li>Trying to connect</li> </ul>
130 ≯ ≠10.0 mg/dL 3 minutes ago

Si aprirà la seguente finestra, clicca su **VISIT DEVICE** per impostare il tuo indirizzo Nightscout, i valori del TIR e l'unità di misura:

This page is part of the TC001 programmable c <u>Nightscout</u>	Nightscout Clock project. It allows lock into a device showing blood s	s you to transform an Ulanzi sugar values through	
Here are the steps to i Buy Ultanzi TCOC Turn on the devi Connect the dev Click the <b>CONNI</b> Follow the instru	nsclock  Nightscout clock 1.0.0  Ulanzi TC001  UPDATE NIGHTSCOUT CLOCH VISIT DEVICE	X onds	
	CHANGE WI-FI LOGS & CONSOLE		92 -7 0 mg/dL 2 minutes ago 94 → -5.0 mg/dL 3 minutes ago

# 4. Imposta il tuo NSCLOCK Compila i campi con le informazioni richieste:

		Nightsco	out clock			
Wireless network settin	gs					
Wireless network name (SSID)			WiFi password			
Nightscout settings						
Protocol	Nightscout	hostname (Hostname, no	t URL)	đ	Port (Optional)	
HTTPS	~ glicemia					
API secret (Only needed wher	viewing Nightscout	data is protected)				88 → -4.0 mg/dL 5 minutes age
Blood glucose units		BG low value		BG High value	e	
mg/dl		70		180		94 → -5.0 mg/dL 3 minutes ago
					Validate, save and	d restart

Nel caso in cui non riesci a visualizzare la pagina delle impostazioni

Con il tuo PC oppure un telefonino (qualsiasi) cerca e collegati alla rete wifi nsclock



9 L'utilizzo è soggetto all'assunzione di esclusiva responsabilità personale. Apri un browser (Chrome o Safari) e digita l'indirizzo proposto sullo schermo <u>http://192.168.1.X</u> dove X finale lo troverai sul tuo dispositivo



Si aprirà la finestra di configurazione del dispositivo:

Wireless network settings   Wireless network name (SSID)   WiFi password   Image: Solution of the strain	Nightsc	out clock	
Wireless network name (SSID) WiFi password  WiFi password  Nightscout settings  Protocol Nightscout hostname (Hostname, not URL) Port (Optional)  HTTPS  ✓ glicemiad  API secret (Only needed when viewing Nightscout data is protected)  Blood glucose units BG low value BG High value  94 →	Wireless network settings		
Nightscout settings         Protocol       Nightscout hostname (Hostname, not URL)       Port (Optional)         HTTPS       glicemiad       Image: State of the state of t	Wireless network name (SSID)	WiFi password	
Nightscout settings         Protocol       Nightscout hostname (Hostname, not URL)       Port (Optional)         HTTPS       glicemiad       88 →         API secret (Only needed when viewing Nightscout data is protected)       888 →         Blood glucose units       BG low value       BG High value         94 →       70       180			
Protocol Nightscout hostname (Hostname, not URL) Port (Optional) HTTPS  ✓ glicemiad API secret (Only needed when viewing Nightscout data is protected) Blood glucose units BG low value BG High value BG High value 94 →	Nightscout settings		
HTTPS       ✓       glicemiad         API secret (Only needed when viewing Nightscout data is protected)       88 →         HTTPS       Blood glucose units       86 low value         Blood glucose units       BG low value       BG High value         94 →	Protocol Nightscout hostname (Hostname, no	ot URL) Port (Optional)	
API secret (Only needed when viewing Nightscout data is protected)  Blood glucose units BG low value BG High value  94 → 180	HTTPS ~ glicemiad		
Blood glucose units BG low value BG High value 94 →	API secret (Only needed when viewing Nightscout data is protected)		$88 \rightarrow$
Blood glucose units BG low value BG High value $94 \rightarrow 70$			5 minutes ago
ma/dl $\sim$ 70 180 $94 \rightarrow$	Blood glucose units BG low value	BG High value	04
	mg/dl v 70	180	-5.0 mg/dL

Compila tutti i campi richiesti e clicca Validate, save and restart

Il dispositivo si riavvierà e avrai i tuoi valori sul display.

La tua glicemia è su NSCLOCK:



Al momento attuale non ci sono altri quadranti, non si possono impostare gli allarmi oppure la luminosità. Lo sviluppatore è impegnato per creare altre funzionalità e per questo ci vuole tempo.

### Contatti



Diabete, glicemia a distanza e nuove tecnologie



glicemiadistanza@gmail.com