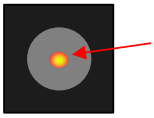
Katech NTP toLTC2 LTC Timecode Generator (Ver. 1.76)

Katech NTP toLTC2 module outputs time information in LTC (Longitudinal Time Code) format by

Module Description

1 - DC Input: 5V-12V power input



Center tip is positive.

2 - 4 pin output connector ; Balance LTC output and DC output

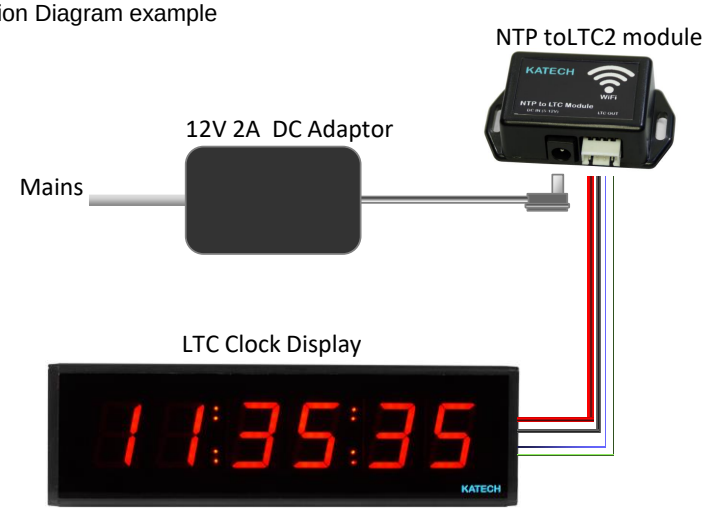
4 pin JST Connector pinout

Pin No	Description
1	DC out
2	GND
3	LTC -
4	LTC+

Technical Specification

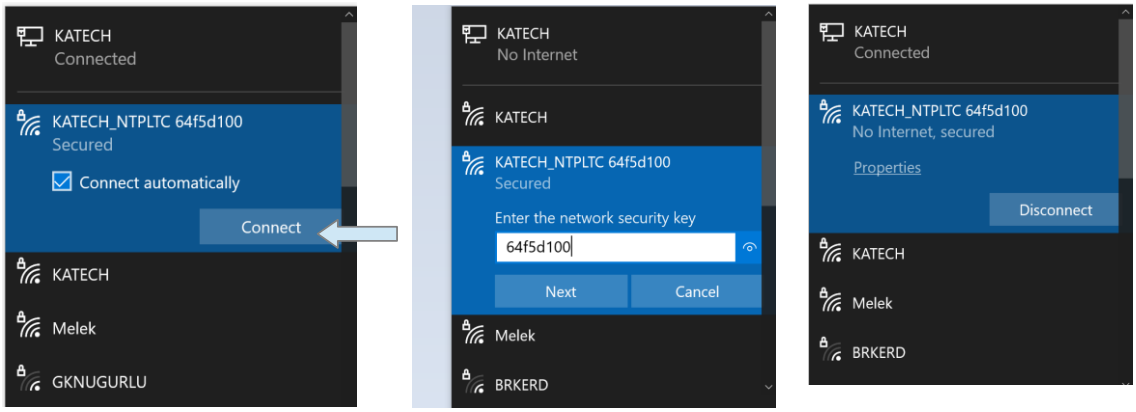
Parameters	***Values***
Dimensions	65x35x20 mm
Supply Voltage	5V-12V DC
Power consumption	60 VA max.
DC Out Voltage/Current	Same as DC input (Internally connected to DC Input)
LTC Out	Balance 3Vpp , 25fps

Connection Diagram example



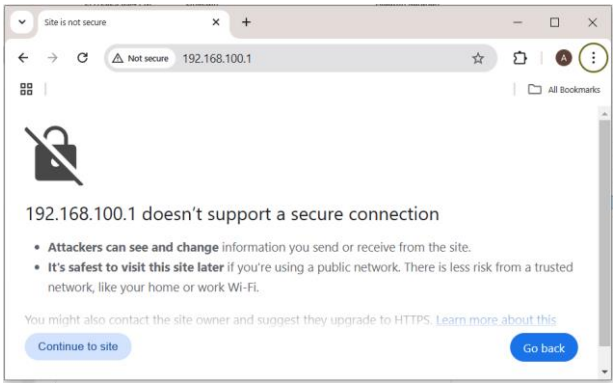
Connection Settings

Katech NTPtoLTC2 contains an HTTP server for module connection settings.
For the first connection, the Device boots in Hotspot mode. After a while after running the module, when you search for available Wi-Fi networks via your mobile phone, Tablet or PC, you will see “KATECH_NTPLTC ********” in available Wi-Fi Networks. . Select this “KATECH_NTPLTC ********”

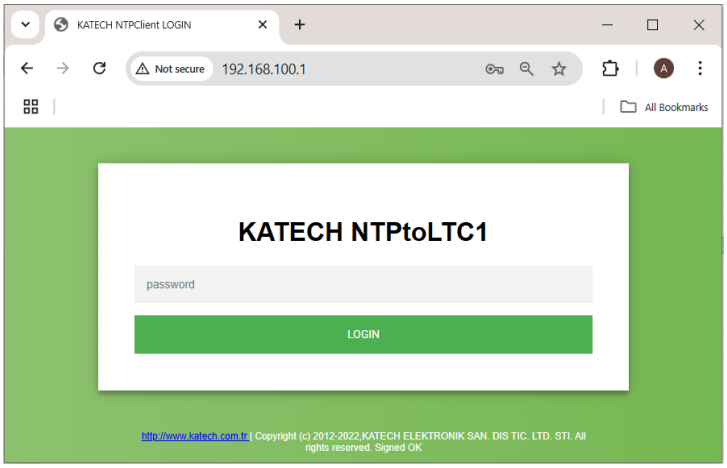


The part ******** of the network name, after “KATECH_NTPLTC”prefix is your network security key.”

After the network connection is established, when you enter “192.168.100.1” address in browser , the Login Page will open.

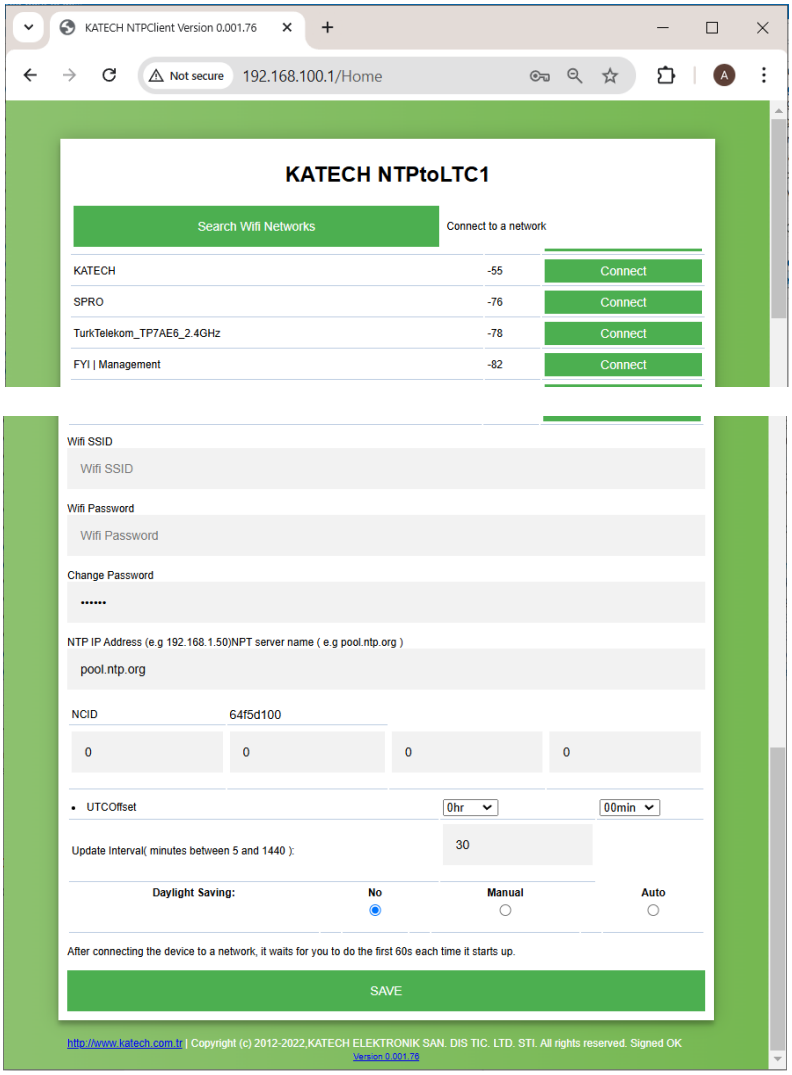


If you see the warning about connection security like this page, please click " Continue to site"



The default login password is “123456”.

The newly opened web page will show the list of wireless networks. You can select the wireless network to be used for NTP connection by clicking the “Connect” button.



Wifi SSID : Name of the local network you will connect to

Wifi Password: Network password required to connect to this network

Change Password: You can enter the new password, to change login password of NTPtoLTC module.

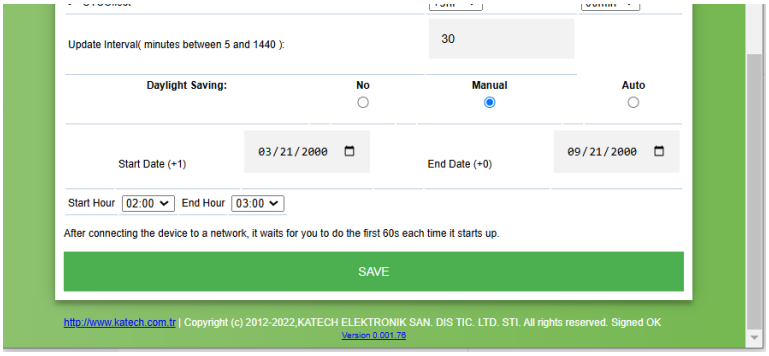
NTP IP Address: NTP server IP address from which you want to get time information
To use the NTP IP address, you must leave the NTP server name blank.

NTP server name: NTP server name from which you want to get time information

UTC offset: NTP servers provide UTC time information. To get your local time information, you can set your local time zone here.

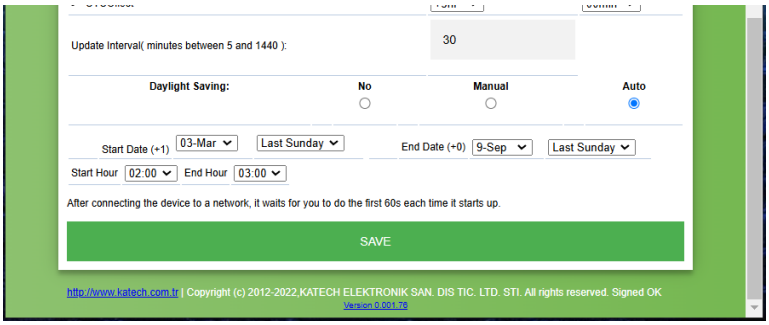
Update interval: The time it takes to reconnect to the NTP server and update the time data. It is in minutes and can be selected from 5 minutes to 1440 minutes (1 day).

Daylight Saving Time (DST): Some countries advance clocks to make better use of the longer daylight available during summer so that darkness falls at a later clock time.
Between these dates, clocks will be moved forward 1 hour (+1).
No: If your country doesn't have daylight saving time or you don't want the time to change at all.
Manual: You can manually enter the start and end dates of DST and the times when the changes occur.

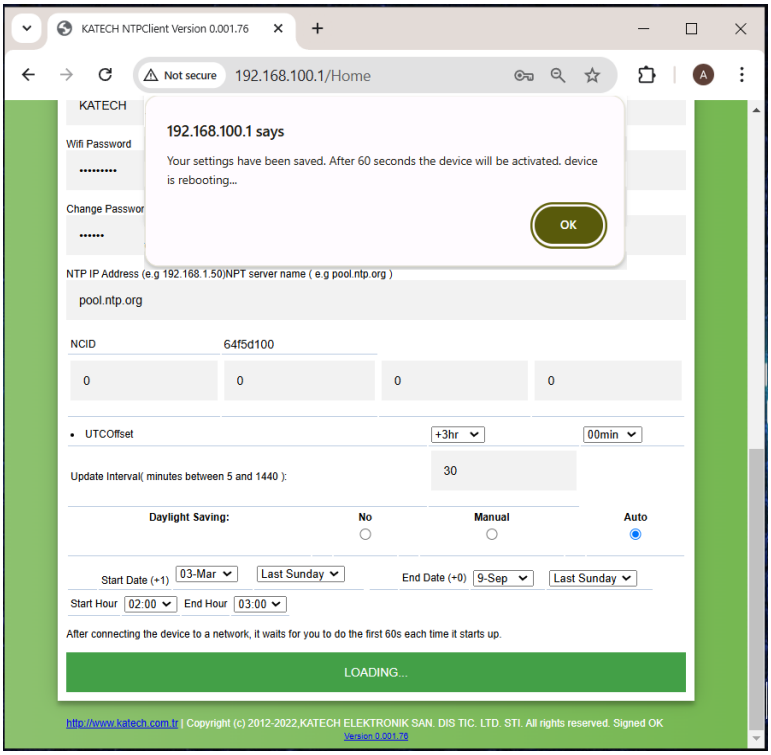


You have to change the dates for each year.

Auto: In some countries, DST dates are defined as the first, second, third, or last Sunday of certain months.



You do not need to change the dates each year.



When the **"SAVE"** button is clicked, the values you have entered are saved to the Module. In 1-2 minutes, the module will reset itself and reboot again. The module will output LTC clock signal if it can establish network connection with the NTP server you saved, and then you can see it on the LTC clock displays.