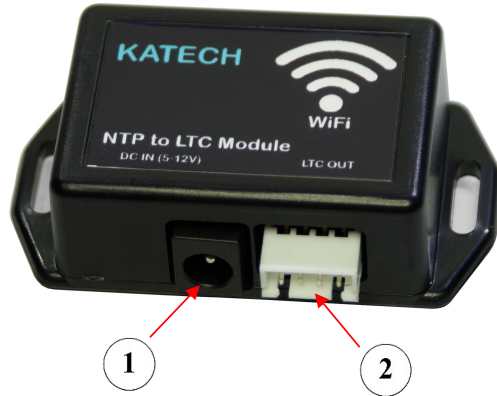


Katech NTP toLTC2 LTC Timecode Generator

Katech NTP toLTC2 module outputs time information in LTC (Longitudinal Time Code) format by receiving time information from local or Internet NTP server via Wi-Fi wireless network connection.

Module Description



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



Center tip is positive.

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

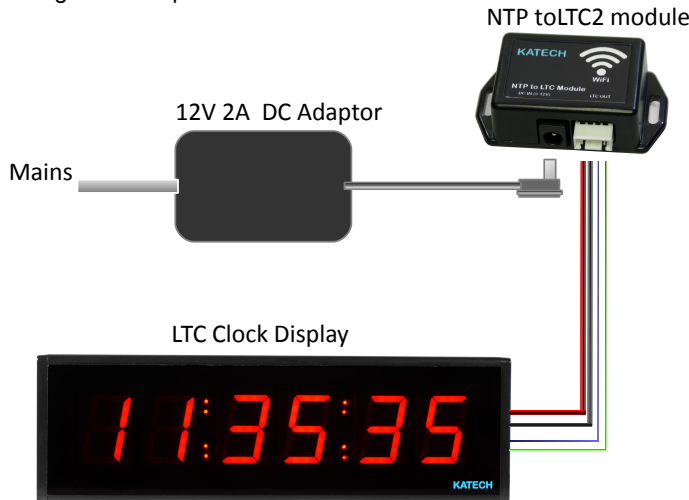
4 pin JST Connector pinout

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

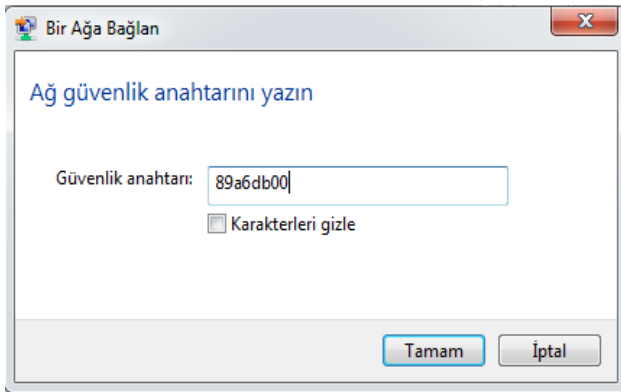
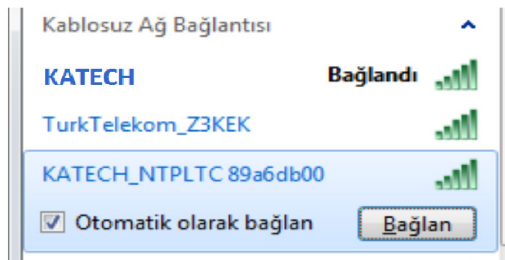
Connection Diagram example



Connection Settings

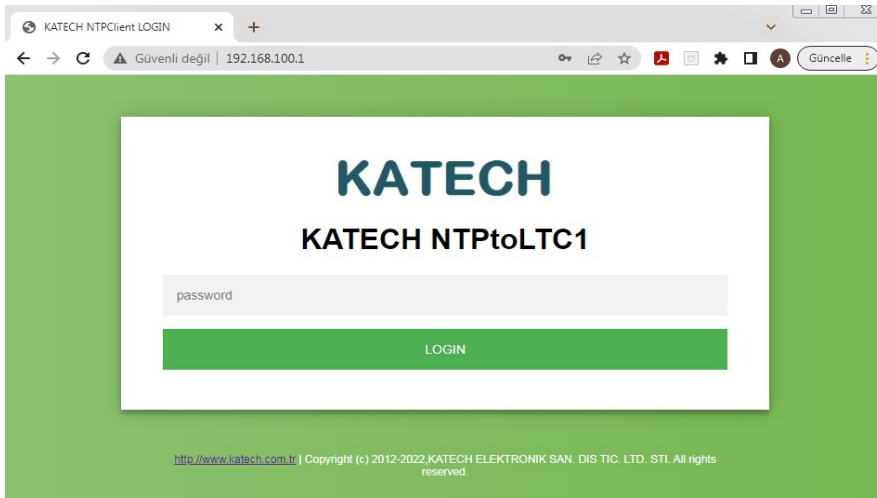
Katech NTPtoLTC2 contains an HTTP server for module connection settings.

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 *****" network from the list.



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. 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.

The screenshot shows a web browser window with the URL 192.168.100.1/Home. The page title is "KATECH NTPtoLTC1". The interface includes a "Search Wifi Networks" button and a table of detected networks:

Network Name	Signal Strength	Action
KATECH	-47	Connect
TTNET_ZTE_457T	-93	Connect
Zyxel_A6A9	-85	Connect

Below the table, there are input fields for:

- NCID: 89a6db00
- Wifi SSID: KATECH
- Wifi Password: [Redacted]
- Change Password: [Redacted]
- NTP IP Address (e.g 192.168.1.50): [0][0][0][0]
- NPT server name (e.g pool.ntp.org): pool.ntp.org
- UTCOffset: +3hour [00min]

A "SAVE" button is located at the bottom of the form. A note at the bottom states: "After connecting the device to a network, it waits for you to do the first 60s each time it starts up."

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.

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.