NTP Clock User Manual
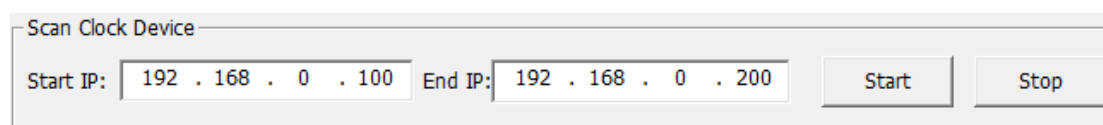
1. Initialization of NTP clock using Ethernet

Connect the NTP clock to internet via Ethernet port, power on the device with the 12VDC power adaptor, the green LED on the RJ-45 socket is turn on and orange LED will blink to indicate the device is try to capacuturing time data from internet, once the time data is capatured from the NTP server, the 4 7-Segment LEDs will be illuminated accordingly. After the unit is powered on more than 30 minutes, the green LED and orange LED will be turn off as the function of time capaturing through Ethernet is disabled.

Note: The CR2032 battery cell is used to retain time data for the NTP clock once the device is turn off or the time data can't be received from NTP servers specified, in this case, the 4 7-Segment LEDs display will be turned on immediately when the device is powered on.

2. Configuration of WIFI Access

Once the unit is connected to Ethernet through RJ-45 port, run the "ClockManageV1.0.8" on the PC that has been connected to Ethernet, click Start button shown below to start scanning the clock device.
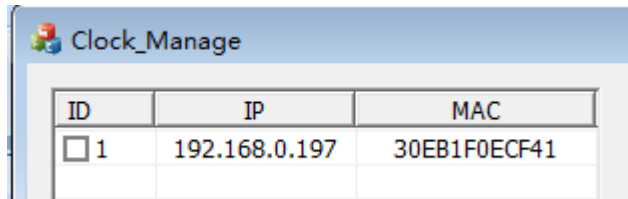

Once the device is found, the IP address and MAC address of the NTP clock will be listed on the left area of the Time Manage Tool, click the
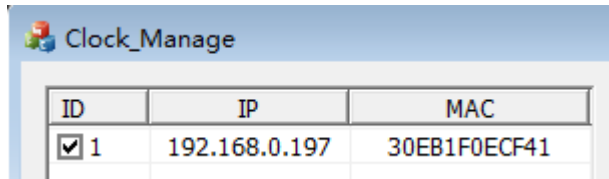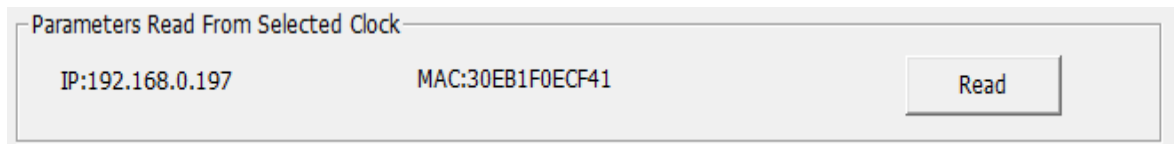
Stop button to stop decive scanning.

3. Parameters Set to the NTP Clock
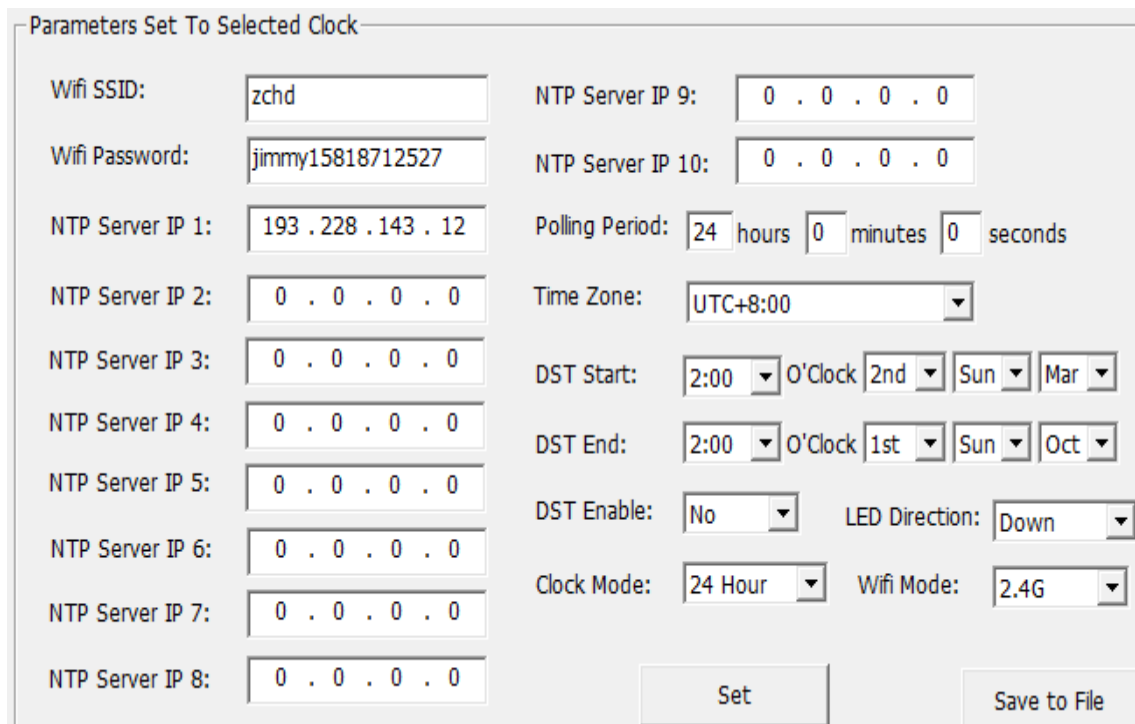Select the NTP device that is shown on the left area of the Time Manage Tool

The IP and MAC information will be shown like below

Click Read Button shown above, the settings that have been store in the NTP clock will be read out, refer to window below

Input values for the WIFI SSID and WIFI Password and NTP Server IP and then click Set Button, these information will be configured to the NTP clock, at the same time, the indication message will be shown on the message window on the right of the Time Manage Tool.

4. Time Capaturing Via WIFI Access Point
Once the NTP Clock is correctly configured with values involved with WIFI access, even the Ethernet cable is removed from the Ethernet port, the NTP clock will be capable of capaturing time data via WIFI access point that has been connected to internet.

5. Using Seura Remote to Configure NTP Clock

5.1 Hour Adjusting Mode
Once the NTP is powered on, press and hold "OK" key for more than 3 seconds on the remote to enter the Hour Setting Mode, the value of hour will be blinking to indicate the hour value can be adjusted by using "Up" arrow key or "Down" arrow key.

5.2 Minute Adjusting Mode
Once the Hour setting is completed, press "OK" key, the device will enter Minute Adjusting Mode, the value of minute will be blinking to indicate the minute value can be adjusted by using "Up" Arrow key or "Down" arrow key.

5.3 12/24-Hour Mode Selection
Once the Minute Adjusting Mode is completed, press "OK" key, the device wil enter the 12/24-Hour Mode selection, using "Up" Arrow key or "Down" Arrow key for selection.

5.4 Orientation of Display Selection
Once the 12/24-Hour Mode Selection is completed, press "OK" key, the device will enter Orientation of Display Selection, using "Up" Arrow key or "Down" Arrow key for selection.

Once the orientation of display selection is completed, press "OK" key to exit the configuration mode via remote control.

Federal Communications Commission (FCC) Interference Statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part15 of the FCC Rules.

These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generate, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:
(1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.
FCC Caution: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

RF exposure warning

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment.
This product may not be collocated or operated in conjunction with any other antenna or transmitter.
This equipment must be installed and operated in accordance with provided instructions and the antenna(s) used for this transmitter must be installed to provide a separation distance of at least 20 cm from all persons and must not be collocated or operating in conjunction with any other antenna or transmitter.