



Wireless Time System

Single- sided Analog Wi-Fi Clock with Sweeping Second Hand



The analog Wi-Fi clock, which is a part of GlobalTime Wireless Clock System for flexible installations is a fully automatic battery operated analog clock. It can synchronize with internet server or private NTP server.

Technical Information

After inserting of the batteries, the hands are driven to the position 12:00.

When synchronization has been accepted, all hands are driven to show the correct time and the movement starts normal run.

After inserting the batteries, if the hands stop at the position 12:00 firstly and then don't run, please check if the settings for Wi-Fi info and NTP server IP are correct.

When low voltage is detected, the second hand will stop at the position 12:00, the hour hand and minute hand will run normally.

After the clock starts normal run, if the Wi-Fi info is changed, the second hand will stop at 6:00, the hour hand and minute hand will run normally.

During normal run, the clock synchronizes in 0, 1, 4, 12, 36, 84 hours, then synchronizes every 84 hours. Once the clock can not synchronize, it will start to synchronize every 12 hours. If it fails 3 times continuously, then the second hand will stop at 6:00, hour hand and minute hand will run normally.



Technical Data

Design:	Single- sided for surface wall mounting
MTBF:	50000 hours
Accuracy:	+/- 1 second
Synchronization:	NTP
Wi-Fi frequency:	2.4GHz
Supports:	IEEE802.11 b/g/n
Encryption:	WEP/ WPA-PSK/ WPA2-PSK
Receiving sensitivity	802.11b:-86d8m(11Mbps); 802.11g:-71d8m(54Mbps)
Certifications:	CE, FCC, RoHS, ISO9001

Network

Protocols supported:	NTP, HTTP, FTP
NTP protocol modes:	C/S mode
IP address assignment:	DHCP
Transport protocol:	TCP/ IP
Device management:	Web- based (requires web browser)

Power supply

Batteries:	Alkaline batteries 2 x 1.5V size LR6
Average life of battery	12 months

Environmental

Operating temperature:	-5°C to 55°C
Operating humidity:	10%-95%, non-condensing

Housing

Housing:	Aluminum in silvery color
Dimension:	38cm*5.1cm*38cm

Features

- Time is automatically set by Simple Network Time Protocol(SNTP)- **no master clock or serial connection required.**
- Supports Wi-Fi- **no need of network cable distribution.**
- Supports any time zone.
- Automatic Daylight Saving Time
- Provides NTP server configuration.
- If connection to NTP server is lost the clocks will continue to run on the built-in time base. When the connection is restored it will synchronize automatically.

We reserve the right to make changes at any time.