

Sapling Network Clock Monitoring Software



Sapling offers different types of synchronized clock systems to accommodate various project needs and facility infrastructures. Some users require the ability to remotely monitor all clocks in the system without the need to physically go to each and every clock and check its status. Sapling offers three clock systems that can provide the user with diagnostic information about the clocks. These three systems are: The Sapling TalkBack Wireless System, the Sapling Wi-Fi Clock System, and the Sapling IP-PoE Clock System.

This brochure focuses on Sapling's IP-based clock systems—IP-PoE and Wi-Fi—and their advanced capabilities, including:

1. Built-In Web Interface – Each Sapling IP-based clock has a web interface built right in, allowing the user to set, control and monitor the clock.
2. Self-Diagnostic Capabilities - Each clock can perform self-diagnostics for various functionality testing.
3. Server Synchronization Redundancy – Store several internal or external NTP/SNTP server addresses to ensure synchronization in the event that one of the servers fails to communicate.
4. Money Saving System – A Master Clock is only optional since each clock can receive the time data directly from the NTP/SNTP time source.

Another key benefit is that all Sapling IP-based clocks are provided with the Sapling Network Clock Monitoring Software. The Network Monitoring Software allows the user to monitor and control all Sapling IP clocks in the facility from the comfort of any computer on the same LAN.

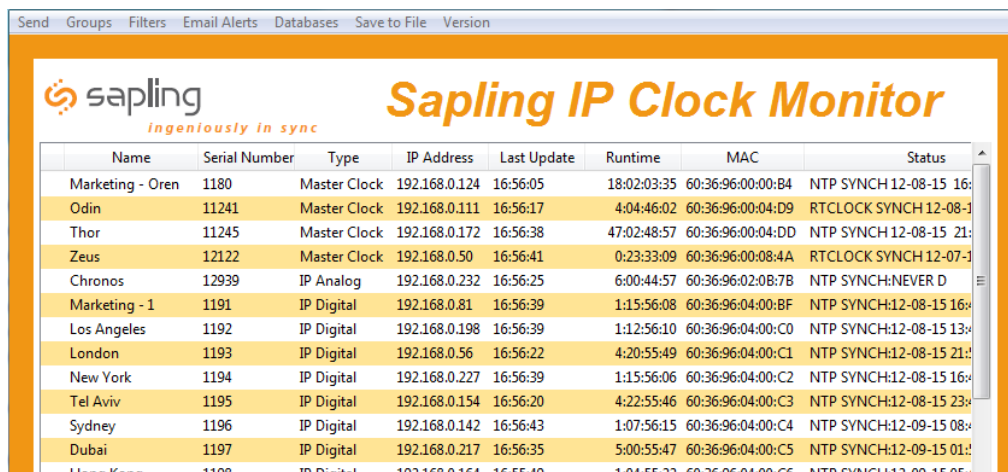
The Sapling Company, Inc.

670 Louis Drive, Warminster, Pennsylvania 18974 U.S.A

Phone: +1.215.322.6063 Fax: +1.215.322.8498 Web: www.sapling-inc.com

Features of the Network Clock Monitoring Software include:

- Detects, lists, and displays up-to-date information for all Sapling IP products on the network
- Links to each clock's built-in web interface for easy access
- Enables the user to copy the configuration of one clock to some or all of the clocks in the system (for initial mass deploying initial settings, Wi-Fi clocks will use Sapling's Wi-Fi Direct Loader Software)
- Sends email alerts when an IP device does not broadcast to the Network Clock Monitor or when a battery-operated Wi-Fi analog clock has a low battery level
- Monitors battery levels for battery-powered Wi-Fi analog clocks
- Enables the user to perform diagnostics for IP-PoE analog clocks or locally-powered Wi-Fi analog clocks at the press of a button
- Allows the user to name, group, and prioritize clocks
- Arranges clocks by name, type, IP address, serial number, runtime, last update, or current status
- Allows the user to send customizable messages to all or some digital clocks in the system
- Permits the user to utilize customizable real-time countdowns for all or some digital clocks in the system



Name	Serial Number	Type	IP Address	Last Update	Runtime	MAC	Status
Marketing - Oren	1180	Master Clock	192.168.0.124	16:56:05	18:02:03:35	60:36:96:00:00:B4	NTP SYNCH:12-08-15 16:56:05
Odin	11241	Master Clock	192.168.0.111	16:56:17	4:04:46:02	60:36:96:00:04:D9	RTCLOCK SYNCH:12-08-15 16:56:17
Thor	11245	Master Clock	192.168.0.172	16:56:38	47:02:48:57	60:36:96:00:04:DD	NTP SYNCH:12-08-15 16:56:38
Zeus	12122	Master Clock	192.168.0.50	16:56:41	0:23:33:09	60:36:96:00:08:4A	RTCLOCK SYNCH:12-07-15 16:56:41
Chronos	12939	IP Analog	192.168.0.232	16:56:25	6:00:44:57	60:36:96:02:08:7B	NTP SYNCH:NEVER D
Marketing - 1	1191	IP Digital	192.168.0.81	16:56:39	1:15:56:08	60:36:96:04:00:BF	NTP SYNCH:12-08-15 16:56:39
Los Angeles	1192	IP Digital	192.168.0.198	16:56:39	1:12:56:10	60:36:96:04:00:C0	NTP SYNCH:12-08-15 13:56:39
London	1193	IP Digital	192.168.0.56	16:56:22	4:20:55:49	60:36:96:04:00:C1	NTP SYNCH:12-08-15 21:56:22
New York	1194	IP Digital	192.168.0.227	16:56:39	1:15:56:06	60:36:96:04:00:C2	NTP SYNCH:12-08-15 16:56:39
Tel Aviv	1195	IP Digital	192.168.0.154	16:56:20	4:22:55:46	60:36:96:04:00:C3	NTP SYNCH:12-08-15 23:56:20
Sydney	1196	IP Digital	192.168.0.142	16:56:43	1:07:56:15	60:36:96:04:00:C4	NTP SYNCH:12-09-15 08:56:43
Dubai	1197	IP Digital	192.168.0.217	16:56:35	5:00:55:47	60:36:96:04:00:C5	NTP SYNCH:12-09-15 01:56:35
Honn Kona	1198	IP Digital	192.168.0.164	16:55:49	1:04:55:22	60:36:96:04:00:C6	NTP SYNCH:12-09-15 05:55:49

Remotely monitoring a synchronized clock system has never been easier with the Sapling IP Monitoring Software. With the capability to display the status of each clock and send email alerts, the IP Monitoring Software is an easy-to-use and invaluable resource for overseeing a synchronized clock system. For more information about the Sapling IP Clock System and the Sapling IP Monitoring Software, please contact your dedicated Sapling representative.

The Sapling Company, Inc.

670 Louis Drive, Warminster, Pennsylvania 18974 U.S.A

Phone: +1.215.322.6063 Fax: +1.215.322.8498 Web: www.sapling-inc.com