

## Sapling Countdown / Count-Up Feature

Sapling offers a variety of solutions and features along with our synchronized clock systems in order to accommodate various applications. One of these solutions is the Sapling Countdown Feature displayed on our 6 digit digital clocks. This way, the digital clock can also display a countdown or a count-up on demand when needed.

Depending on the type of clock system, Sapling can offer either a prescheduled countdown feature or a real-time countdown/count-up feature. Both solutions work differently so it is very important to know what type of solution the customer is looking for in order to provide them with the right product for the application.



### Prescheduled Countdown Feature:

A Prescheduled Countdown is used when there is a need for all digital clocks in the system to perform a countdown at the same time. This feature is a Sapling Master Clock optional feature that is offered along with our 2-Wire System, our Wireless System, and our TalkBack Wireless System (IP Clocks are not offered with a prescheduled countdown option).

The Sapling Master Clock (optional) Prescheduled Countdown Feature is used in different types of facilities and for different applications such as:

- At schools in between classes to show students and teachers how much time they have until end of break.
- In manufacturing plants to show workers how much time they have until their shift starts.

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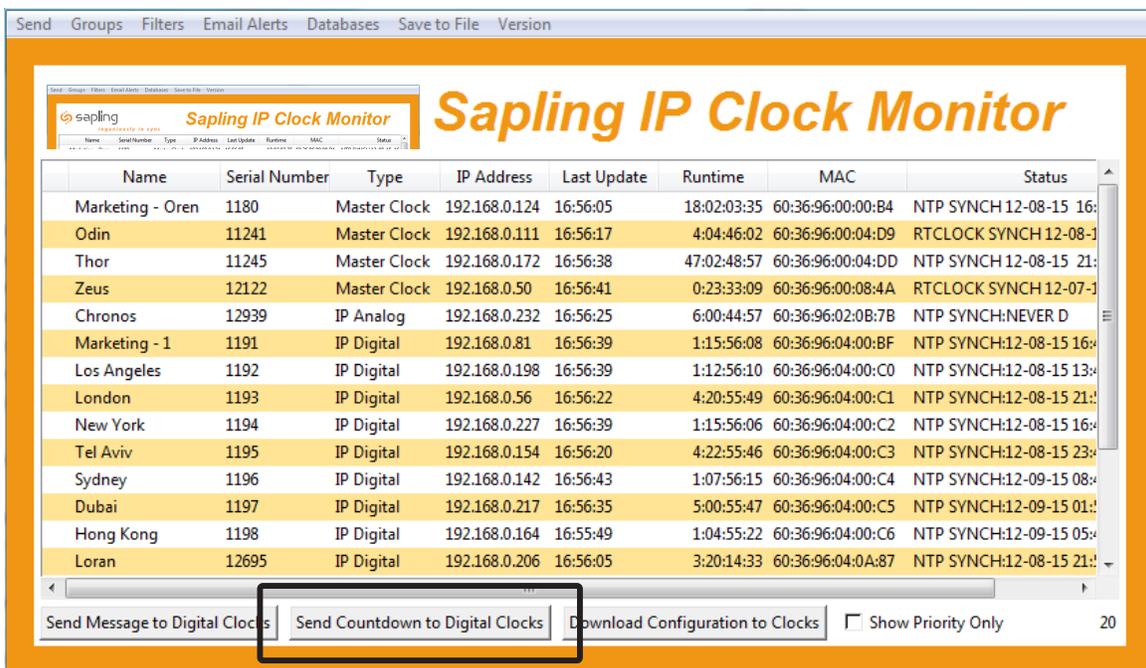


When implementing the prescheduled countdown feature, there is a need to program the master clock with the known times that the master clock will command all digital clocks in the system to start the countdown and for how long. For example: every Monday to Friday from 9:00:00 am till 9:10:00 am, from 10:30:00 am till 10:45:00 am, from 12:30:00 pm till 1:00:00 pm, and so on.

### Real Time Countdown Feature for Sapling IP Clock System:

Along with the Sapling IP Clock System, Sapling also offers an IP Monitoring Software that enables the user to send a real-time countdown command to pre-selected or to all IP digital clocks in your system from the comfort of the user's computer.

The real-time countdown command for Sapling IP Digital Clocks is an integrated feature in the IP Monitoring Software, so there is no additional charge. It is typically used for exams, recreational facilities, lecture halls, broadcasting stations, and more!



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:
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:
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 21:
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:
Chronos	12939	IP Analog	192.168.0.232	16:56:25	6:00:44:57	60:36:96:02:0B: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:
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:
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:
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:
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:
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:
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:
Hong Kong	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:
Loran	12695	IP Digital	192.168.0.206	16:56:05	3:20:14:33	60:36:96:04:0A:87	NTP SYNCH:12-08-15 21:

### Real Time Countdown or Count-Up for all Sapling Clock Systems:

Some applications require a countdown or count-up at the push of a button. Sapling offers an Elapsed Timer Control Panel that can interface with a 3200 or 3300 Sapling Digital Clock model and can command one individual clock to count up or down. The Elapsed Timer Control Panel is hard wired to one clock only and is offered with all of Sapling's Clock Systems (Wired, Wireless, TalkBack Wireless, Wireless Messaging, and IP).



### The Sapling Elapsed Timer Control Panel:

- Will command one individual 6-digit digital clock to perform a real-time countdown or a count-up with the press of a button.
- Comes standard with a four-button panel: Count Up, Start/Stop, Time, and Count Down.
  - Customizable button options are available to adapt to your specific needs.
- Is capable of interfacing with the Sapling 3200 and 3300 digital clock models.
- Does not require prescheduling since all commands are done in real-time by the user.
- The Sapling 3300 digital clock model comes with a relay input that can trigger a countdown or count-up command when interfacing with a third party system (via a contact closure) such as a nurse call system.
- The Sapling 3300 Digital clock has the capability of interfacing with an optional buzzer accessory that can be set to sound at the end of a countdown.

The real time countdown or count-up solution is used for many applications such as in emergency rooms (code blue) in hospitals, to time exams in a class, to time games in sports arenas, and more.

With Sapling Clocks, countdowns and count-ups are an easy solution to help facilities run effectively and efficiently. If you are interested in clocks with countdown or count-up capabilities, please contact your dedicated Sapling representative.



Please view the Sapling Elapsed Timer video clip [here](#).

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