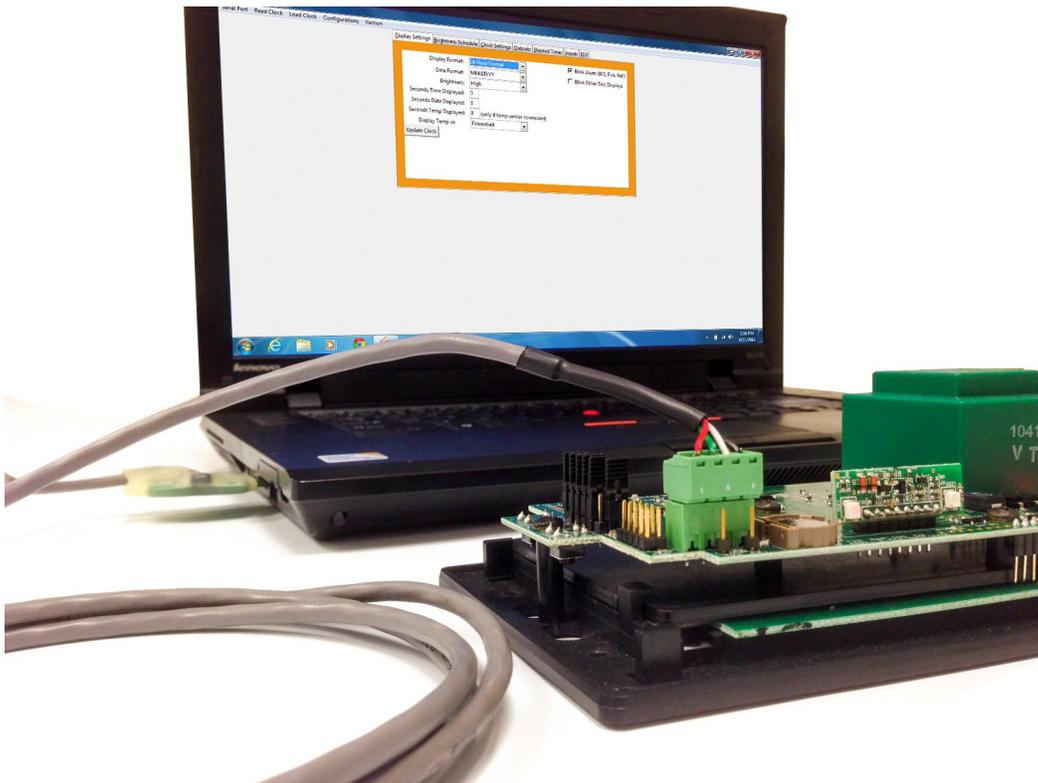


USB Interface Programming Cable for Sapling Digital Clocks

Sapling's 3000 Series Digital Clock family has three models to choose from, including the 3100, the 3200 and the 3300 Series. Each series has specific features attributed to its model number. For example, the 3100 model contains many traditional features, including High/Low Brightness Levels, 12/24 Hour Display and Alternating Time/Date in US format (MM:DD:YY). The 3200 and 3300 digital clock models include the above-mentioned features and also contain added capabilities for projects with additional requirements. One such advantage of the 3200 and 3300 models is the ability to integrate with Sapling's USB Interface Programming Cable.



The optional USB cable will allow you to interface with Sapling's Configuration Software, which permits the user to access various settings in the digital clock. As shown in the above picture, one end of the USB cable will connect to a USB port on a PC and the other end will plug into the back of the digital clock. Detailed instructions on how to connect the USB Interface Cable and how to use the Configuration Software can be found in the Digital Clock Manual.

The USB Interface Programming Cable is offered as an accessory.

The cable's Part Number is: **D-USB485-INTF-1** and comes with Sapling's Configuration Software CD.

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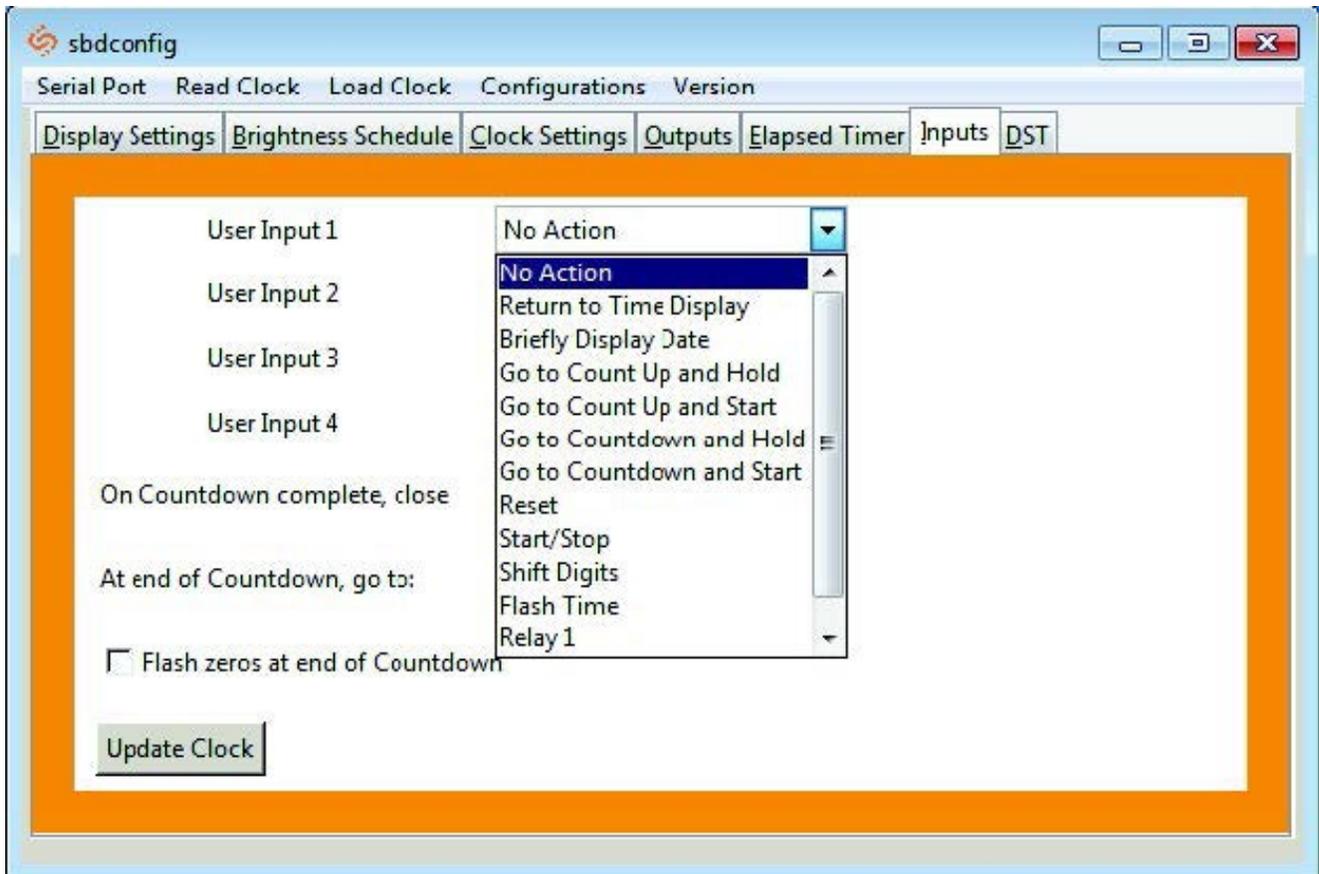
Listed below are a few examples of various configuration settings that can be accessible using the USB Interface Programming Cable (a complete list of all features can be found in the digital clock manual):

- Choose between four display brightness levels: Off/Low/Medium/High
- Configure display brightness schedule(s) by selecting specific day(s)/time(s) to alternate between brightness levels
- Select between 12 or 24 hour format, for example: 8:15 or 20:15
- Alternate between:
 - Time/Date (6 digits) in US date format (MM:DD:YY) or International date format (DD:MM:YY)
 - *Time/Temperature
 - *Time/Date/Temperature

***Please Note: Displaying the temperature is only applicable if the optional Temperature Sensor accessory is connected (Part Number: SBD-TEMP-000-0)**

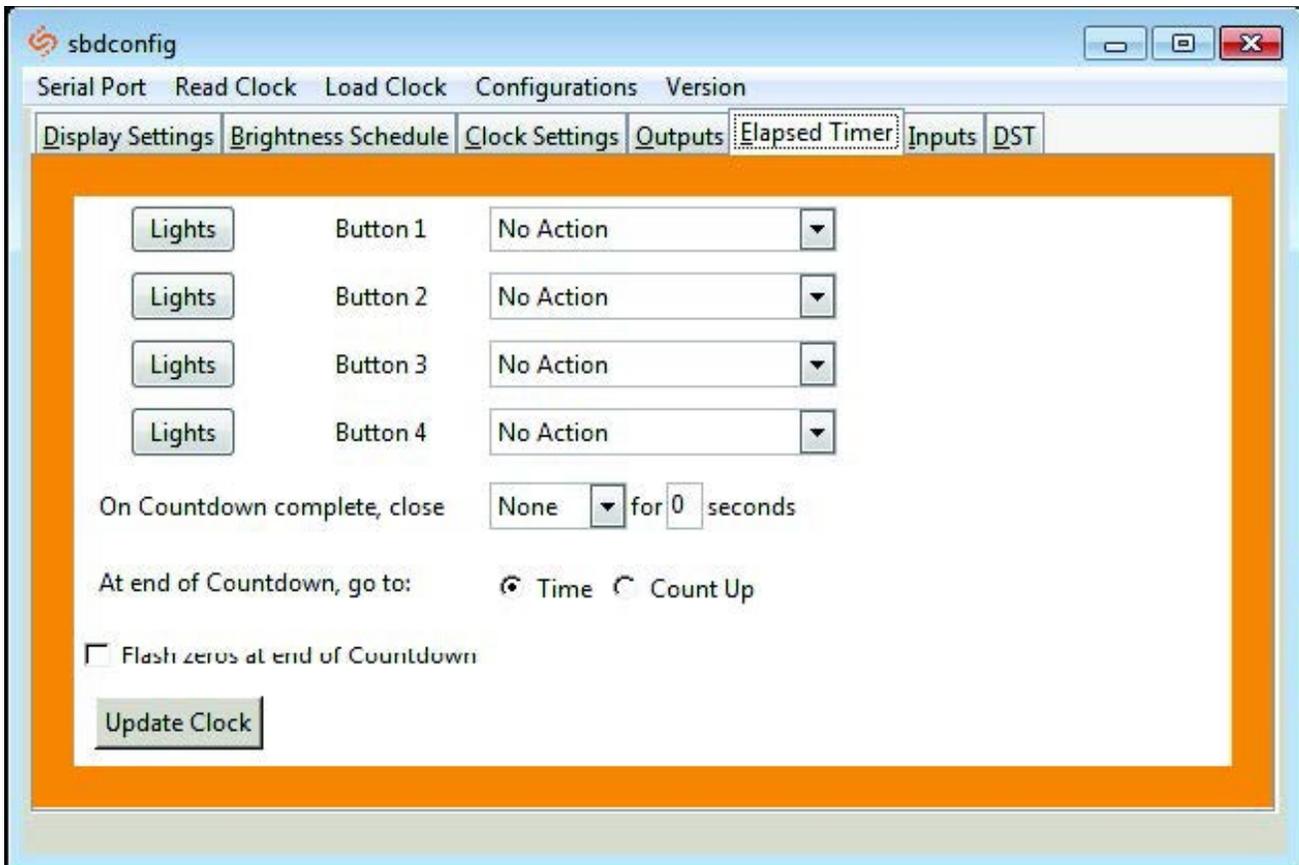
- Alter Elapsed Timer Settings, which is used in conjunction with an Elapsed Timer Control Panel accessory (Part Number: SBD-ELT-001-0). Although the Elapsed Timer comes preconfigured, the user can alter the default settings, which include:
 - Button Lights that when pushed can be programmed to display: No change/Off/Green/Red
 - Ability to program the button lights to blink on/off
 - On countdown complete, the user can choose to close a relay for a designated number of seconds, for example, to sound a buzzer (Sapling *Optional* Buzzer Accessory: A-BUZZ-3300-1).
 - Choose to flash zeros at the end of a countdown
 - At the end of countdown, the ability to return to: Time or begin a Count Up

(Please consult the Elapsed Timer Manual for additional setting adjustments)



Pictured above is a screenshot of the Sapling Configuration Software, showing the Elapsed Timer configuration tab.

- The 3300 Series digital clock model contains even more features and capabilities, one of which is the ability to receive a contact closure from a third party device. This can include a nurse call system or a manufacturing plant assembly machine.
 - The user inputs of the 3300 digital clock can be programmed by selecting one of the options shown in the picture on the next page:



For a more detailed explanation of how to program the inputs or outputs in the 3300 digital clock model, please refer to the Digital Clock Manual.

Sapling's Configuration Software can be used with the Wired, Wireless and TalkBack Wireless 3200/3300 Series digital clocks. The USB Interface Cable is not applicable with our IP clock system, as each IP clock has its own built-in web interface to configure all the above capabilities and functions.

The USB Interface Programming Cable allows the user to alter a variety of standard settings and to personalize them to fit particular preferences and needs.

For more information about the USB Interface Programming Cable, please contact a Sapling representative.