

# Using the Colorado Time Systems System 6 Timing Console

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At power on, the System 6 loads the “Sports Loader” program, from here you can configure network connections, printers, program updates and select which of the swimming and diving programs you wish to use for your meet.

After loading the swimming program the following is a precis on the steps required to correctly configure the system.

## Step 1: Restore Defaults

The CTS 6 timer is highly configurable. When unsure what the previous configuration was it is best to “restore defaults” and configure from a known state.

From the swimming program:  
Press Setups --> Restore defaults -->yes  
Press “Quit” to return to the top menu.

## Step 2: Set the Time

The Real Time Clock in the unit does not keep good time – it should be adjusted prior to the beginning of all meets. This is also the only way to adjust for Daylight Savings time.

Press Setups → Down until the red box is over Set Date/Time.  
Press “1” to “Set the Time of Day”. Edit the time displayed in the window in 24 hour format. Press enter to save.  
Press “Save Setups”  
Press “Quit” to return to the top menu.

## Step 3: Configure Quick Options

The SAT system refers to the pool in terms of “near end” and “far end” – these are the markings on the cable connectors on the rear of the SAT unit.  
The Near end is normally the starting end, the far end should be toggled off when starting and finishing at the same end of the pool.

Press “Quick Options” --> then “Far End” to Toggle to **on** if the buttons are installed at both ends of the pool. (The factory default is “off”). You can skip this step if you are only using buttons one end of the pool.  
The other settings should be default.  
“Display Lanes → ON”  
“Post Race by Place”  
“Event/Heat = OC” and “Home/Guest = OD”  
Press “Quit” to return to the top menu.

## Step 4 – Scoreboard Menu

This menu is used to manually control the scoreboard during the meet, selecting this soft key you should see “Scoreboard status: On”.

The Scoreboard status changes when you press “Clear Lanes”, “Scoreboard Blank” and “Scoreboard On”.  
Note: Scoreboard Blank has 2 modes, press once to “BLANK” to display the time of day from the CTS when the button was pushed (it does not increment), press twice top “TOTAL BLANK” mode and no display.  
Press “Quit” to return to the top menu.

## Step 5 – Configuring Setups

The setup required will depend on the meet, length of the pool, if you are finishing at both ends, if you are starting at both ends and if you have touchpads installed.

Press “**Setups**”

The setup menu will remember the last selection used – use the up/down buttons so the red box is around **start/finish**.

Configure the options by pressing the number assigned to suit the race.

- Options 1 and 2 control the starting locations. The default values “Start Even length Races at Near end” and “Start Odd length Races at Far end” would only be used at pools such as Waves where we often start from both ends of the pool. Most meets would require option 2 to be changed.
- Option 3 should be left on “Do not clear Lanes Automatically” so race times are displayed on the scoreboard for the maximum time possible.
- Option 4 “Show start reaction times on scoreboard” requires specialised hardware that our swimming district does not have and should be left on the default value.
- Options 5 and 6 “Near/Far end primary finish” tell the system whether buttons or pads are being used and should be set accordingly.
- Option 7 “Do not blink time for record breaker” is not used by our swimming district and should be left on the default value.
- Option 8 “Do not Post intermediate Place on Scoreboard” allows splits to be displayed only if touchpad timing is used and should be set only if this feature is to be used.

Press “Save Setups” then down so the Red box is around **hardware**.

- Options 1 and 2 control the sound and light intensity from the System 6 unit and should be adjusted if needed for operator comfort.
- Option 3 “Remote Setup Allowed” is needed to allow Meet Manager Event information to be loaded into the SAT system and should not be changed.
- Options 4, 5 and 6 control relay judging which is not used by our swimming district and should be left on the default value.
- Option 7 “Far End Splits used” enables split times if touch pads are installed at the far end of the pool – none of the pools in the district have this feature so this should be toggled to “Not used” by pressing the “7” key.
- Option 8 and 9 “Start/Backstroke Start reaction times” requires specialised hardware that our swimming district does not have and should be left on the default value.
- Option 0 controls the Scoreboard intensity and should be left on the default value of 8.

Press “Save Setups” then down so the Red box is around **timing**.

- Leave the settings at their default value unless using Touchpads, in which case option 6 – “Pad Delay at start” should be increased to 15 secs.

Press “Save Setups” then down so the Red box is around **Pool**.

- Press “1” to change the layout of the lanes. Lane 1 should be closest to the timer, but if it is not this is where you can change the lane layout.
- Press “2” and “3” to set the number of lanes used. These options allow you to use 10 lanes for heats and 8 lanes for finals
- Press “4” to select the appropriate pool length.
- Press “5” to display the race lengths in Meters.
- Press “6” to change the first lane from lane 1 to lane 0.

Press “Save Setups” then down so the Red box is around **Scoreboard**.

The 2 lane mini scoreboard is coded for "OC" Event / Heat and "OF" Lane Place/ Time, factory default your System 6.

- Press “4” to change the line to “2-Line Scoreboard”.
- Press “5” so “Times to step One line Scoreboard = 2”
- Press “6” to Change “One Line Scoreboard Sequence time = 3”

Press “Save Setups” then quit as we do not use the “Sequence” or “Wireless” features and the time has already been set.

### **You are now ready to Race.**

Connect the USB to Serial Cable to COM PORT1, ensure the thumb screws on the connector are tightened and download events from Meet Manager to the System 6.

**Notes:** The System 6 only sends 3 error codes back to Meet Manager: **1.** If the remote setup allowed is not set in the System 6 setup menu. **2.** If the timer is not in Reset mode **3.** If you are in the setup screen.

You may need to use the device manager in “My Computer” Properties to determine which Com port the USB cable is using.