

Colorado VI Set Ups and Use for PVS

This document corresponds to software version 1.234-K3 (probably the final version for the VI).

Please read over the following set up information for the Colorado VI, most of it should not require any changes.

The items in **Red** are generally the strongly recommended set up values. You will see a great deal of similarity between these and the Colorado V set ups, and a couple of significant changes.

When you Save Setups, you will not be prompted for confirmation. If you have made changes to the setups you should save them. And, there is no way to print out the setups.

If you turn off lanes (due to empty lanes) they will automatically turn on when you Reset the VI.

The lanes display at the bottom, the top of each block is the lane number. The center area displays information on whether the lane is armed or not, also when it is finish armed, which pad was just hit (near or far). The bottom shows lengths that have been swum. For missed touches you will usually get a warning message for that lane.

Pressing Reset while the VI is running will cause a display asking if you are sure you want to do this.

If you attempt to reuse an Event & Heat (i.e. forgot to advance to next heat), you get a message in **Red** on the lower right side of the screen "**This heat has already been used**".

Any suggestions or mistakes in this document please let Jim Garner (301-977-1222 or garner@garnerjim.net) know.

Colorado VI Set Ups and Use for PVS

Setups

Setups	Choice	Options	
◇ Start/Finish			Up
◇ Hardware	1	Start Even-Length Races at Near End	
◇ Timing	2	Start Odd-Length Races at Far End	Down
◇ Pool	3	Do NOT Clear Lanes Automatically	
◇ Scoreboard	4	Do NOT Show Start Reaction Times on Scoreboard	
◇ Printer	5	Near End Primary Finish – Pad	
◇ Event Sequence	6	Far End Primary Finish = Pad	Save Setups
◇ Set Time/Date	7	Do NOT Blink Time for Record Breaker	
◇ Wireless	8	Post Intermediate Place on Scoreboard	
			Restore Defaults

Notes:

- 1-2 In PVS we normally start all even length races at the Near end and odd length races at the Far end (25s in Short Course, 50s in Long Course). If 25s (50s Long Course) finish at far end then change #2 to start at **Near** End (press 2 key to do this).
- 3 will leave race results on scoreboard after reset.
- 4 if turned on will show the swimmers start reaction times (requires Relay Take-Off Pads for forward starts).
- 5 If only using buttons change to Button(s). If doing this, button A plugs into Prime, B into Button A, etc.
- 6 If pads at both ends set to Pad, if Buttons at both ends set to Button(s).
- 7 If records are stored in the Colorado, you can enable this to blink when a record is broken.
- 8 If the scoreboard supports this you can post for each lane the number of lengths swum so far. Probably cannot use this if using the OCCS camera system.

Colorado VI Set Ups and Use for PVS

Setups

◇ Start
◇ Hardware
◇ Timing
◇ Pool
◇ Scoreboard
◇ Printer
◇ Event Sequence
◇ Set Time/Date
◇ Wireless

Choice Options

- | | |
|---|---|
| 1 | Speaker Volume (0 to 3) = 3 |
| 2 | Backlight Intensity (1 – 9) = 5 |
| 3 | Remote Setup Allowed |
| 4 | Relay Judging using Platforms (Near End) |
| 5 | Relay Judging using Platforms (Far End) |
| 6 | Relay Judging Interval = 0.75 sec. |
| 7 | Far end splits NOT used |
| 8 | Do NOT use start reaction times |
| 9 | Do NOT use backstroke start reaction times |
| 0 | Scoreboard Intensity (1 to 8) = 8 |

Up
Down
Save Setups
Restore Defaults

Notes:

- 1 Speaker Volume of 3 is normally used, if too loud then set it to a lower value.
- 2 Backlight Intensity, make dimmer or brighter to make more readable.
- 3 Remote setup – this must be allowed to download event sequences from HyTek .
- 4-6 Relay Judging – not used in PVS, leave these values alone.
- 7 Far end splits – set to used if appropriate, toggle by pressing 7.
- 8 Start Reaction Times – be sure that **NOT** is selected.
- 9 Scoreboard Intensity – only for new LED scoreboard, only LED boards I know of are at MLK (White Oak) and Rockville outdoor.

Colorado VI Set Ups and Use for PVS

Setups	Choice Options	
◇ Start	1 Timing Precision = 0.01 second	Up
◇ Hardware	2 Do NOT Use Automatic Backup Adjustment	Down
◇ Timing	3 Near-End Pad Split Delay = 15 sec.	
◇ Pool	4 Far-End Pad Split Delay = 15 sec	
◇ Scoreboard	5 Display Time Warning Messages	
◇ Printer	6 Pad Delay At Start = 15 sec.	
◇ Event Sequence	7 Scoreboard Lengths Count Up	Save Setups
◇ Set Time/Date	8 Screen Lengths Count Up	
◇ Wireless	9 Show ----- on DQ	
	0 Pad to Backup Comparison Interval = 0.3 sec.	Restore Defaults

Notes:

- 1 Timing Precision – Must be at 1/100 (.01) second.
- 2 Automatic Backup Adjustment – If we need to perform this, it will be done by the Timing Judge and/or HyTek software. Do **NOT** change this.
- 3-4 Near & Far End Delay – usually at 15 seconds, this is safe. Some people like to bump this up for Relays, if you do be careful that it is not too long or the pads will not re-arm before the incoming swimmer touches. This also determines when the scoreboard time will start or resume running for every lane.
- 5 Time Warning Messages – gives the warning screen when buttons are too far off from the pads.
- 6 Pad Delay at start – probably no reason to ever change this. For dive-overs 15 sec is reasonable.
- 7&8 have to do with whether the number of lengths swum starts at 2 and counts up or starts at the total length of the race (i.e. 500 Free at 20) and counts down for the scoreboard and the Colorado respectively.
- 9 Show ----- on DQ – leave this alone, PVS does not use the Colorado DQ.
- 0 Pad to Backup - .30 matches the USAS Rule.

Colorado VI Set Ups and Use for PVS

Setups

◇ Start
◇ Hardware
◇ Timing
◇ Pool
◇ Scoreboard
◇ Printer
◇ Event Sequence
◇ Set Time/Date
◇ Wireless

Choice Options

- | | |
|---|------------------------------------|
| 1 | Lane Mapping |
| 2 | Lanes In Pool = 8 |
| 3 | Lanes Used = 8 |
| 4 | Pool Length = 25 |
| 5 | Race Distance Units - Yards |
| 6 | First lane Number 1 |

Up
Down
Save Setups
Restore Defaults

Notes:

- 1 Lane Mapping – allows you to set up for normal (Lane 1 closest to Colorado) or reversed (lane 8 closest to the Colorado). When you go to this option choice 1 will be normal, choice 2 is for reversed. **Make sure you pick the correct one.** Shift Lanes options are for special uses beyond the scope of this document.
- 2 Lanes in pool – set to number of lanes you are running (usually 8).
- 3 Lanes Used – normally set to same as number of lanes in the pool.
- 4 Pool length – 25 for Yards or SCM, 50 for LCM.
- 5 Race Distance – either Yards or Meters (this affects what appears on the printout).
- 6 First Lane Number = 1 is for most pools, if your first lane is 0, then set this to zero (Myrtha Pools like The St. James).

Colorado VI Set Ups and Use for PVS

Setups	Choice	Options	
◇ Start	1	Self Test	Up
◇ Hardware	2	Define Module(s)	Down
◇ Timing	3	Blank Module(s)	
◇ Pool	4	8-Line Scoreboard	
◇ Scoreboard	5	Times to Step One-Line Scoreboard = 2	
◇ Printer	6	One-line Scoreboard Sequence Time = 5	Save Setups
◇ Event Sequence	7	One-line Scoreboard Sequence List	
◇ Set Time/Date	8	Results in LANE Order	
◇ Wireless	9	Scoreboard Splits: CUMULATIVE	
	0	Do NOT Emulate 10 Lane Scoreboard	Restore Defaults

Notes:

- 1 Self Test – on mechanical scoreboards will cycle every module through all on and all off. Usually not necessary.
- 2 Define module – stay away from this unless **you know what you're doing**. Only used when modules are broken and you have unused modules (like at Oak Marr).
- 3 Blank Modules – same as Define Module.
- 4 8 Line – leave at this value unless you have a 10 lane scoreboard or a 4 lane scoreboard. Applies to mechanical score boards (i.e. not at GMU, UMD or GISC).
- 5-6 For one line scoreboards, times to step is how many times to cycle through this heats results, and Sequence Time is for how long each lane is displayed (also how long as each swimmer finishes). 5 seconds may be too long if the time between heats is low, drop it to 2 or 3 seconds if needed.
- 7 What order to display results in, one line scoreboard only (use Place Order and Event/Heat).
- 8 The other option is in finish order, you will thoroughly confuse all the spectators and coaches if you do this.
- 9 – Intermediate times are cumulative or subtractive.
- 0 – Do NOT emulate 10 Lane Scoreboard. Determines whether lane 10 will display as 10 or 0.

Colorado VI Set Ups and Use for PVS

Setups	Choice	Options	
◇ Start	1	Store/Print Format	Up
◇ Hardware	2	View/Edit Sponsors Message	
◇ Timing	3	Always Print On Store/Print Key	Down
◇ Pool	4	User Defined Printer Control Codes	
◇ Scoreboard	5	Type Size = Elite	
◇ Printer	6	Lines per Inch = 8	
◇ Event Sequence	7	Printer = HP - PCL	Save Setups
◇ Set Time/Date	8	Space for Minutes in Printouts	
◇ Wireless	9	Show Evt. Seq. Title in Header	
			Restore Defaults

Notes:

- 1 – should be Race Summary followed by Form Feed.
- 2 – We don't use this.
- 3 – Whenever a race is stored it is automatically printed.
- 4 – **DO NOT MESS WITH THIS** unless you know what you are doing.
- 5 - Type Size – you may have to play with this to get proper printing results. Pica is 10 Characters per Inch (CPI), Elite is 12 CPI and Condensed is 16 CPI. Colorado recommends using Pica for 6 lane pool, Elite for 8 lane and Condensed for 10 or more lanes.
- 6 - Lines per inch – usually set at 8 lines per inch.
- 7 - Printer – For all (that I know of) PVS Colorado VI Systems, the printer is set up elsewhere and this value is no longer used.
- 8&9 – have to do with format of the Colorado print out.

Colorado VI Set Ups and Use for PVS

Setups

◇ Start
◇ Hardware
◇ Timing
◇ Pool
◇ Scoreboard
◇ Printer
◇ Event Sequence
◇ Set Time/Date
◇ Wireless

Choice Options

1	None
2	Boys High School
3	Girls High School
4	Boys/Girls H. S..
5	NCAA 13 Event Prog.
6	NCAA 15 Event Prog.
7	NCAA 16 Event Prog.
8	User Defined 1
9	User Defined 2
0	View/Edit Selected Sequence

Up
Down
Save Setups
Sequence Name
Restore Defaults

Notes:

- We usually use location 8 or 9 to store our meets in. The User Defined 1 or 2 will be replaced by the meet name being used.
- Press 0 to view/edit the selected sequence (the **Red** line is the selected sequence).
- Sequence name (on right side) may be used to change the change the highlighted name.

Colorado VI Set Ups and Use for PVS

Setups

◇ Start
◇ Hardware
◇ Timing
◇ Pool
◇ Scoreboard
◇ Printer
◇ Event Sequence
◇ Set Time/Date
◇ Wireless

Choice	Options
1	Set Time of Day
2	Set Date
3	12 Hour Clock

Up
Down
Save Setups
Restore Defaults

Notes:

- Use these to set correct time and date if necessary. Time is entered as military time (i.e. 6PM is 1800). This time will display on the scoreboard as well as on the print outs.

Colorado VI Set Ups and Use for PVS

Setups

- ◇ Start
- ◇ Hardware
- ◇ Timing
- ◇ Pool
- ◇ Scoreboard
- ◇ Printer
- ◇ Event Sequence
- ◇ Set Time/Date
- ◇ **Wireless**

Choice Options

- 1 Display Wireless Channel on Scoreboard
- 2 Display Wireless Firmware on SCBD
- 3 Display Wireless Receiver Channel
- 4 Display Wireless Transmitter Channel

Up
Down
Save Setups
Restore Defaults

Notes:

None.