#### TIMING EQUIPMENT OPERATOR CLINIC

#### **ARIZONA SWIMMING**

ARIZONA

SWIMMING



### EQUIPMENT OPERATOR REQUIREMENTS

- Required for AZSI equipment rentals
- Must have taken clinic and passed
- Responsible for equipment rented & return
- Fluent in connections
- Capable of simple repairs
- Identify non-working equipment

# TIMING EQUIPMENT SELECTION

- Prelims/Finals
- # Lanes
- Pads
- Scoreboard
- Length of cord
- Meet format / deck layout
- Scoring tables placement

#### **HOW TO RENT EQUIPMENT**

#### Submit AZSI Rental Agreement Form www.azswimming.org

in the Document Library/Documents & Forms

#### **DECK SET-UP & CONNECTIONS**

Follow a logical progression Start with the scoring table

### THE SCORING TABLE

POOL START END

Swimmer 5 Console	Swimmer 5 Printer	(paper/toner/ stapler/paper clps/calculator Paperweights/ 3-hole punch)	Computer Meet Manager	Computer P Printer Results File
Timing Equip	Timing	Admin Official	Computer	Meet Manager
Operator	Judge/trainee		Operator	trainee/

0

#### SYSTEM 5 **REAR PANEL LAYOUT** JUDGES VO CONTRAST POWER ÔN PRIMARY INPUT COM PORT 1 0 0 OFF SCBD PRINTER PORT **BACKUP INPUT** NPUT: +12VDC/1A COM PORT 2 AUTIC Columbio Theo Bystern, In-FAR END INPUT COMPUTER PORT 3 EXTERNAL POWER

- COMPUTER PORT 3 not used (program updates)
- COM PORT 2 not used (TV scoreboard input)
- BACKUP INPUT usually not used
- JUDGES I/O not currently used

#### **CONNECTIONS AT SWIMMER 5**

- Use 2 Main Power sources / extension cords
- Use 2 surge protector cords or a power block at table.
- At the Swimmer 5 Rear Panel:
  - Plug power source transformer plug into "EXTERNAL POWER"
  - Plug Prime Cord into S5 "PRIMARY INPUT." & lay –out across ends of lanes
  - Plug Computer into "COM PORT 1"
  - Plug S5 Printer into "PRINTER" (may need adapter plug Radio Shack)
  - Plug Scoreboard Plug into "SCBD "(back panel)

# **START STAND CONNECTIONS**



#### **Remember:**

Turn "off" when not connecting or not using

- Microphone
- Speakers to speakers
- Start to prime cord NO=not omega

#### CONNECTIONS AT THE START STAND

- Only when in "off" position)
  - Plug Start Stand into power.
  - Plug Starter's Mic into "MIC"receptacle
  - Plug Speakers cords into "SPEAKERS"
  - Plug Start Stand Speaker into "SPEAKERS"
  - Plug "Start" cord into "N.C. START"



#### CONNECTIONS AT THE LANES

- Plug "Start" cord (red) from Start Stand into prime cord at "START" outlet
- Locate speakers at lanes 1 & 8. Connect to speaker cord from start stand.
- Poolside, at each Lane:
  - Plug each lane's pad into "prime" & button into "button." on the prime cord receptacle #'d for that lane.
  - Clean out prime cord receptacles
- Set-up a separate Announcer audio system
- Keep x-tra buttons & pads at hand for quick change-outs.

## EQUIPMENT TROUBLE SHOOTING

- Buttons: watch for no button or always-late/early button
- Pads: "no touches" or always firing
  - Colorado test meter
  - Colorado Inflation/deflation needle & syringe
- Prime cord: when pads & buttons verified
- Start stand: check connections
- Microphone: have alternates on hand
- Power source consistent / no "tripping."
- Printer: extra toner cartridges
- All connections water free
  - LPS 3 rust inhibitor spray; .22 gauge reamer

# COLORADO TIMING SYSTEM BASIC OPERATION

SPORTS TIMER

-

long an

JANE SALE

• System 5







- Lane disqualified
- Finish place
- On length 6 finished armed
- On length four pad armed
- Oops.. Pad fault
- On length 6 finish lap noted

- Race number; event & heat numbers plus race description
- Race stored data information
- Battery condition and power source
- Soft keys
- Running race time

### **COLORADO TIMING KEYBOARD**



- Start (if automatic FAILS)
- Store race in memory & print it
- Advances race to next heat
- Advances race to next event
- Edit event or heat if its wrong
- Mode of entering events

- Add or subtract touches (pads only)
- Finish arm lane
- Split arm lane
- Reset (two fingers)
- Enter DQ or edit lane on fly
- Heat distance if not uploaded

### **GETTING STARTED**

- Turn on by flipping red toggle switch in back.
- Wait for warm-up to end.
- After warm-up, select "Swimming & Diving."
- Should change to "reset" screen. If not, press "Quit" to get there.
- You are ready to Set-up the Swimmer 5.



- Press "Set-ups" soft key
- Press "UP/DOWN" Soft key to Get to each SETUPS area
- Press 1-10 keys, Enter to change
- Review all options— you'd be surprised







- For pads select 1, 5 and 9 (press1 & Enter, 5 & Enter, 9 & Enter.
- For 2 button system select 3 (press "3" & Enter)



system. Set to 1 (press 1 & Enter)

 Turn on allow remote set-up if you want to upload from Hy-tek





- Always 1 never 2
- 3 is for start end pad delay during race (press 3, press 15, Enter)
- 4 is for far end pad delay during race (15)
- 5 is for the error message. Should be off.
- 6. Pad delay on start 10 is ok because of over top starts.



- 1 if Start stand is next to Lane 1; 2 if next to Lane 8.
- If using far end splits you must turn on **4**. If starting from turn end, it must be off.
- Secify # of lanes in meet.
- Choose 5 or 6.
- Choose 7 or 8.





- Always select 0
- Condensed, 8, gets all lanes on one page



- What "Choice" did the computer operator send the meet to ? generally either 8 or 9. Select correct meet.
- System 5 must be set to "RESET" for the 5 to accept an upload !!

### FINAL SET UP TIPS

- Some items require 'enter' to be pushed after selection
- After uploading events to the S5, "record setups" to save the upload of events
- Replace batteries prior to start of meet

- Print copy of setups by going to "PRINTER".
- press soft key to "PRINT SETUPS."
- Recheck set-ups daily. Somehow they magically change.
- Turn-off 5 at end of each session and after data entered into Hy-tek.

#### **BASIC RACE OPERATION**

- Test starts:
  - Press "EDIT EVENT"
  - PRESS #S 999 For event and 1 for heat and "ENTER" after each.
- Each race:
  - Check to see if event#/heat #s are correct; if not, "EDIT" them.
  - S5 automatically starts at beep. If not press "START" asap.
  - "OFF' empty lanes.
  - Listen for "beep" and each start-end turn for each lane.
    - May have to press "ADD TOUCH" if swimmer misses pad.
    - May have to "-TOUCH" if deck person steps on pad during race.
  - Check to be certain each lane on "FINISH ARM" at last lap.
    - If not press. "FINISH ARM."
- At end of race:
  - Press "STORE/PRINT", "NEXT HEAT" or "NEXT EVENT," and "RESET".
  - May have to press "OK" on top soft key if race has discrepancies.

#### **RACE PRINT-OUT**

3) 84 42.19 3) LATE .06 4) 84 45.87 4) LATE .89 5) 04 47.94 5) EARLY .03 6) 04 51.09 6) EARLY .11 1) 86 1:85.82 EARLY .26 2) 06 1:10.06 2) EARLY .18 3) 06 1:13.04 3) LATE .09 4) 86 1:15,99 6) 06 1:22.90 6) EARLY .13 4) EARLY .17 5) 06 1:18.41 5) EARLY .17 1) 08 1:31.81 2) 08 1:32.49 3) 28 1:33,21 4) 28 1:33,79 5) 28 1:34,38 6) 88 1:35.83 Lane 1 Lane 2 Lane 3 Lane 4 Lane 5 Lane 6 BACKUP 1:31.65 1:32.35 1:33.18 1:33.76 1:34.31 1:34.98 Colorado Time Systems ====> RACE SUMMARY (=================================> Race 8008 (===== Wednesday 18-28-95 12:24.14 pm Colorado Time Systems 200 YARDS HOMENS MEDLEY RELAY EUENT: 1 HEAT: 8 Lane 1 z з

By Lane	ARC - MIC - MIC - MIC - MIC - MIC	B	y Plac	o
Place	Time	Place	Lane	Time
1	1:31.81	1	1	1:31.81
z	1:32.49	z	z	1:3Z.49
3	1:33.21	3	з	1:33.21
4	1:33,79	4	4	1:33.79
5	1:34.38	5	5	1:34.38
6	1:35.03	6	6	1:35.03

========> Colorado Time Systems

4 5 6

#### **RE-PRINTING PREVIOUS HEATS**

Stored data	NEXT RACE PREVIOUS	
	Lane Place Time Backup Relay 1 1:57.24 1:57.28 2 2 2:00.20 2:00.27 - 3 3 2:01.19 2:01.26 4 4 2:01.91 2:02.03 5 5 2:03.45 2:03.62 - 6 6 2:04.38 2:04.45 7 7 2:05.15 2:05.22 - 8 8 2:05.86 2:05.93 9 9 2:06.58 2:06.65 10 10 2:07.51 2:07.58	RACE NEXT EVENT PREVIOUS
(WRITE-IN) Reset EVENT:	8 8 2:05.86 2:05.93 9 9 2:06.58 2:06.65 10 10 2:07.51 2:07.58 HEAT: 	EVENT PRINT RACE
ON ON	ON ON ON ON ON ON ON	MORE

- Press "STORED DATA" soft key, then "PREVIOUS RACE."
- Notice this is by race number, but you can scroll back to find your race. Press Race Summary, Print, Yes.
- Then press "Quit" takes you back to current race.

#### **MORE QUESTIONS ???**

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