# QUIZBOX OPERATION

The quizbox works with seat pads, hand pads or quiz benches.  When the first person jumps (or pushes their switch), the quizbox turns their light on, locks the other lights off and sounds a tone.  The light will stay on until the quizmaster pushes the QUIZZER RESET button.

<mark>Quizbox Customization:  Quizbox operation can be customized per the next page</mark>.  Enter customization by pressing the 5/10/30 button when "CU" is displayed at power-up.  You can customize:
  Seatpad polarity
  Clock auto-start
  Quizzer Reset switch operation
  An extra beep at 25 or 20 seconds, for those programs that require the quizzer to speak within the first few seconds.
  Double Reset, where the quizzer reset switch can also reset the timer.

Quizzers' Switches:  Plug in as many as needed.  Turn off any lights that are not being used.  Test the lights by having quizzers respond.  The box is now ready for operation.

Quizzer Reset Switch:  Push it to reset the quizbox for the next question.  See the customization section for the different modes of operation:  Single push, latching, and Double Click.

Front Jump Light:  The front panel jump light is for the quizmaster.
  Amber means the reset is latched, and quizzers can be testing their lights.
  Red means someone responded and first place is locked.
  Off means reset is either being pushed, or the box is ready for the next question.

Rear Status Light:  The status light on the back of the quizbox is for quizzer benefit.
  Green means the quizzer reset is latched on, and it is safe to test the lights.
  Amber means the quizbox is armed, ready to lock on the next jump.
  Red means the quizbox has locked in a response
  Off means the reset pushbutton is presently being pushed.

Rear Tone Switch:  Push this to disable the beep when the quizzer responds.  Push again to re-enable it.

# TIMER OPERATION

If someone jumps

 - Push TIMER 5/10/30 to start the timer.  It will count down from 30 and beep.
 - Push HOLD to hold the time if needed.
 - Push TIMER 5/10/30 or HOLD a second time to restart the time if it is on hold.
 - Push TIMER RESET at any time to clear the timer.  The quizzer reset switch will also clear it, if Double Reset is selected.

If no one jumps

 - Push TIMER 5/10/30 once to start the timer at 5 seconds.  Push it twice to start it at 10 seconds.  It will count down to zero and beep.  If someone jumps before the five or ten seconds are up, the timer will stop instantly.  If the timer reaches zero, the quizzer was too late.
 - Push TIMER RESET at any time to clear the timer.

Time out

 - Push TIMER 45/60 for a 45 second time out.  The timer will count down from 45 and beep.  The HOLD button will have no effect.
 - Push TIMER 45/60 twice for a 60 second time out.  The timer will count down from 60 and beep.  The HOLD button will have no effect.
 - Push TIMER RESET at any time to clear the timer

Clock Auto-start upon quizzer jump
If enabled by customization, the clock will start at 32 seconds when a quizzer responds.  This allows 2 seconds to recognize the quizzer, and 30 seconds to give the answer.  If the clock was counting down from 5 or 10 seconds and a quizzer responds just after it reaches zero, it will not start at 32.  This shows that the quizzer responded too late.

Speaking Chirp:  If enabled, the quizbox can sound a short beep at either 25 or 20 seconds, for programs that require a quizzer to speak within 5 or 10 seconds of responding.

# QUIZBOX CUSTOMIZATION

CUSTOMIZATION "CU"
When the quizbox is first plugged in, the timer will briefly display "CU". If you want to change any settings on the quizbox, push the 5/10/30 switch while "CU" is displayed. If you are too late, unplug the box and begin again. Once you begin customization, it will save what you've done and exit after 60 seconds of inactivity. If this happens accidentally, unplug the box and begin again. Assuming you've pushed 5/10/30 in time, you can cycle through the following:

POLARITY "PO"
When you enter the customization mode, the display will show "PO", for Polarity of the quizzers' switches. This has to do with the electrical contacts in the switches that signal when a quizzer responds. You can push the 45/60 switch to see which of the following 2 modes is selected:
  "CL" Closed contacts mean a quizzer response. This is the standard setting for most seatpads and hand switches.
  "OP" Open contacts mean a quizzer response.
If you want to change the setting, push 45/60 again to toggle between "CL" and "OP". If you get it wrong, the quizzer lights will be off when they should be on, and vice versa. Just change the polarity again and all will be well. When the setting is right, push 5/10/30 to go to the next mode, or Timer Reset to save and exit customization.

CLOCK START "CS"
The next feature that can be customized is whether or not the clock starts automatically when a quizzer responds. If enabled, it will start at 32 seconds, giving 2 seconds to acknowledge the quizzer, and 30 seconds for the answer. You can push the 45/60 switch to see which of the following 2 modes is selected:
  "AS" Auto Start enabled
  "nS" No Start. (Auto start disabled)
If you want to change the setting, push 45/60 again to toggle between "AS" and "nS". When the setting is right, push 5/10/30 to go to the next mode, or Timer Reset to save and exit customization.

RESET "rE"
The next feature that can be customized is the operation of the quizzer reset switch. You can push the 45/60 switch to see which of the following 3 modes is selected:
  "SP" Single Push: Reset is active only when the switch is being pushed.
  "LA" Latching: Push the switch to activate quizzer reset. Push it again to end reset.
  "DC" Double Click: If you double-click the switch (press it twice quickly), the switch latches. Otherwise it acts like a normal single-push switch.
Latching reset is useful for quizzers to get the trigger point of their seats before a quiz, or during a time-out.
If you want to change the setting, push 45/60 additional times to cycle through the modes. When the setting is right, push 5/10/30 to go to the next mode, or Timer Reset to save and exit customization.

EXTRA BEEP "Eb"
For quiz programs that require the quizzer to speak within 5 or 10 seconds, an extra beep is available. It is a short chirp from the beeper at the time selected. Push the 45/60 switch to see which of the following 3 modes is selected:
  "--" No extra beep selected.
  "25" The beeper will sound when the clock reaches 25 seconds, giving 5 seconds to begin speaking
  "20" The beeper will sound when the clock reaches 20 seconds, giving 10 seconds to begin speaking.
If you want to change the setting, push 45/60 additional times to cycle through the modes. When the setting is right, push 5/10/30 to go to the next mode, or Timer Reset to save and exit customization.

Double Reset "dr"
The next feature that can be customized is whether or not the quizzer reset switch also resets the timer counting down from 30. Push the 45/60 switch to see which of the following 2 modes is selected:
  "OF" (Off) Double Reset is disabled. Reset the timer with the timer reset button.
  "On" Double Reset enabled. The Quizzer Reset switch will reset the timer 30 second countdown.
If you want to change the setting, push 45/60 again to toggle between "On" and "OF". When the setting is right, push 5/10/30 to go to the next mode, or Timer Reset to save and exit customization.

Now you are back to "CU".
If a setting is wrong, push 5/10/30 and begin customization again.
Push the Timer Reset switch any time the settings are right to save and exit. Or wait 60 seconds without pushing any of the timer buttons, and it will save and exit automatically. The settings will be stored for the next quizbox usage.

Factory defaults are Closed, No Start, Double Click, No Extra Beep, and Double Reset Off. To restore factory defaults the easy way, hold down Timer Reset when plugging in the quizbox. It will display "FA" when done. (It's fast.)
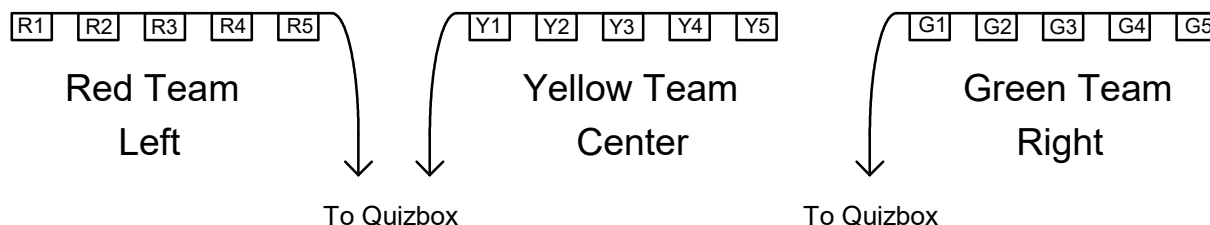
## QUIZBOX NOTES

Remote Standard connector

- This is a common connector on all the 2nd generation quizboxes.  With it, you can connect two or more quizboxes together for multi-team quizzes.  Just run an RCA cable between boxes, and the first person on any box will get the light and lock out all the others. For more than 2 boxes, use a "Y" cable to split the signal and run it to all quizboxes.
- The second function of the connector is a remote reset.  A switch plugged into the Remote Std connector will reset the quizbox just like the QUIZZER RESET pushbutton.

Power Supply:  The quizbox requires a 12 volt adapter rated at 1 amp minimum.  It can be AC or DC, either polarity. The connector dimensions are 5.5 x 2.1 mm.
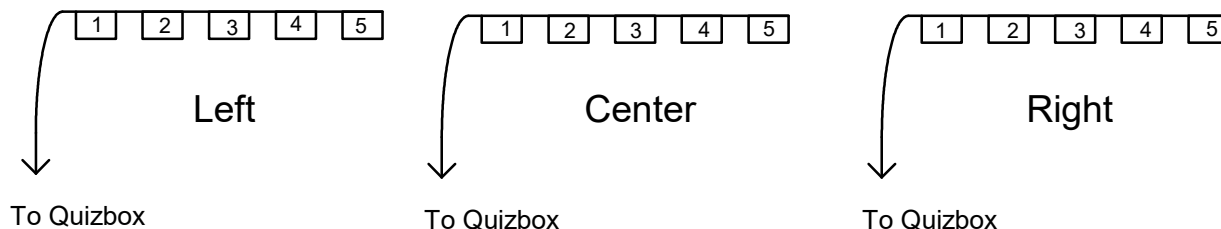
Warranty:  2 years on quizbox, 1 year on seatpads, except for abuse or user modification.  If a problem occurs, please call first:  many things can be fixed over the phone or by sending you a part.  Payment for return postage and handling (presently $18.00) will be required if you send a box for repair under warranty.

# Seat Pads

| R1 | R2 | R3 | R4 | R5 |   | Y1 | Y2 | Y3 | Y4 | Y5 |   | G1 | G2 | G3 | G4 | G5 |

Red Team
Left

Yellow Team
Center

Green Team
Right

To Quizbox                    To Quizbox

Place seatpads on chairs black side down and run wires as indicated.  Note that the wire goes toward the back of the seat.  Each pad has two switches, located near the outside edges.  Sit on the pad in such a way as to hold at least one of the switches down while waiting to jump.

# Blue Seatpads

| 1 | 2 | 3 | 4 | 5 |   | 1 | 2 | 3 | 4 | 5 |   | 1 | 2 | 3 | 4 | 5 |

Left                    Center                    Right

To Quizbox            To Quizbox            To Quizbox