

Race Start Timer MANUAL



RACE START TIMER (software ver 604)

Basic Operation

3-2-1-start on pressing the button 3 long horn sounds for start of 3 min countdown.
At 2 min 10 sec to start there is a 10 second countdown
At 2 min to start there is 2 long horn sounds
At 1 min 10 sec to start there is a 10 second countdown
At 1 min to start there is 1 long horn sound
At 30 seconds to start there is 3 short horn sounds
At 20 seconds to start there is 2 short horn sounds
At 10 seconds to start there is 1 short horn sound
At 5 seconds to start there is 1 short horn sound
At 4 seconds to start there is 1 short horn sound
At 3 seconds to start there is 1 short horn sound
At 2 seconds to start there is 1 short horn sound
At 1 seconds to start there is 1 short horn sound
At start there is 1 long horn sound

4-3-2-1-start on pressing the button 1 Long Horn sounds for start of 4 min countdown.
At 3 min 10 sec to start there is a 10 second countdown
At 3 min 3-2-1-start countdown starts automatically.

HORN Pressing this sounds the Horn and buzzer. The horn will continue to sound as long as you have the button held down. (same as a manual horn button)

If in the middle of:- 3-2-1-start sequence or 4-3-2-1-start sequence or 5-4---1-start sequence the countdown sequence will be cancelled.

For the 5-4---1-ROLL start sequence the horn button will only work for 50 seconds immediately after the start and it does not cancel the sequence.

To cancel the 5-4---1-ROLL start sequence and sound the horn, simply turn the timer off and then back on and press the horn button.

5-4---1-start on pressing the button 1 Long Horn sounds
At 4 min 10 sec to start there is a 10 second countdown
At 4 min to start there is 1 long horn sound
At 1 min 10 sec to start there is a 10 second countdown
At 1 min to start there is 1 Extra Long Horn sound
At 10 sec to start there is a 10 second countdown
At start there is 1 Extra Long Horn sound

5-4---1-ROLL The same as the 5-4---1-start sequence except the Start horn is the beginning of another 5-4---1-start sequence.
To cancel or finish a roll start sequence the timer has to be turned of.

DETAILS OF HORN & BUZZER SOUNDS

Extra Long horn sound

Both Horn and buzzer sound for 2 seconds then a pause of $\frac{1}{2}$ a second.

Long horn sound

Both Horn and buzzer sound for $1\frac{1}{2}$ second then a pause of $\frac{1}{2}$ half a second

Short horn sound

Both Horn and buzzer sound for $\frac{1}{4}$ of a second then a pause of $\frac{1}{4}$ of a second

Long Beep sound

Buzzer sounds for $\frac{1}{4}$ of a second

Short Beep sound

Buzzer sounds for $\frac{1}{10}^{\text{th}}$ of a second then a pause of $\frac{1}{20}^{\text{th}}$ of a second

10 Second Countdown

At 10 seconds 1 Long Beep

At 9 seconds 1 Long Beep

At 8 seconds 1 Long Beep

At 7 seconds 1 Long Beep

At 6 seconds 1 Long Beep

At 5 seconds 5 Short Beeps

At 4 seconds 4 Short Beeps

At 3 seconds 3 Short Beeps

At 2 seconds 2 Short Beeps

At 1 seconds 1 Short Beep

EXTENDED OPERATIONS

SEQUENCE TWO

TO ACTIVATE SEQUENCE TWO HOLD DOWN “3 2 1 START” BUTTON AND TURN TIMER ON. 2 BEEPS WILL SOUND. ENSURE THAT YOU HAVE RELEASED THE “3 2 1 START” BUTTON BEFORE THE END OF THE SECOND BEEP.

3 2 1 START BUTTON = 7 min sequence (rolling for multiple flights)

| Time | Sound signal | Visual signal |
|-----------------------------------|-------------------------|--|
| a. 7 minutes to start | 1 long horn sound | F flag up |
| b. 6 min 10 sec to start | 10 sec countdown | |
| c. 6 min to start | NO SOUND | F flag down |
| d. 5 min 10 sec to start | 10 sec countdown | |
| e. 5 min to start | 1 long horn sound | Numeral pennant up |
| f. 4 min 10 sec to start | 10 sec countdown | |
| g. 4 min to start | 1 long horn sound | P flag up |
| h. 2 min 10 sec to start | 10 sec countdown | |
| i. 2 min to start | NO SOUND | Yellow &/ blue flag & manual sound if required |
| j. 10 sec to start | 10 sec countdown | |
| k. Start (5 min to next start) | 1 extra long horn sound | Numeral & P down & next numeral up |

Keeps repeating sequence from (f) to (k) until timer turned off

4 3 2 1 START BUTTON = 7 minute sequence (incl 1 min signal & rolling for multiple starts)

| Time | Sound signal | Visual signal |
|---------------------------|-------------------------|---|
| a. 7 minutes to start | 1 long horn sound | F up |
| b. 6 min 10 sec to start | 10 sec countdown | |
| c. 6 min to start | NO SOUND | F down |
| d. 5 min 10 sec to start | 10 sec countdown | |
| e. 5 min to start | 1 long horn sound | Numeral 1 pennant up |
| f. 4 min 10 sec to start | 10 sec countdown | |
| g. 4 min to start | 1 long horn sound | P up |
| h. 2 min 10 sec to start | 10 sec countdown | |
| i. 2 min to start | NO SOUND | Yellow &/ blue flag & manual sound if required Stays up till penalty or 1 minute |
| j. 1 min 10 sec to start | 10 sec countdown | |
| k. 1 min to start | 1 long horn sound | P down |
| l. 10 sec to start | 10 sec countdown | |
| m. Start (5 mins to next) | 1 extra long horn sound | Numeral 1 down & numeral 2 up |

Keep repeating sequence from (f) to (m) until timer turned off

HORN BUTTON

Pressing this sounds the Horn and buzzer. The horn will continue to sound as long as you have the button held down. (same as a manual horn button).

When in a sequence the only time that the horn will operate is for 50 seconds immediately after 2 minutes to start.

To cancel any sequence and sound the horn, simply turn the timer off and then back on and press the horn button.

5 4 - 1 START BUTTON = 10 min sequence (rolling for multiple flights)

| Time | Sound signal | Visual signal |
|-----------------------------------|-------------------------|--|
| a. 10 minutes to start | 1 long horn sound | F flag up |
| b. 6 min 10 sec to start | 10 sec countdown | |
| c. 6 min to start | NO SOUND | F flag down |
| d. 5 min 10 sec to start | 10 sec countdown | |
| e. 5 min to start | 1 long horn sound | Numeral 1 penant up |
| f. 4 min 10 sec to start | 10 sec countdown | |
| g. 4 min to start | 1 long horn sound | P flag up |
| h. 2 min 10 sec to start | 10 sec countdown | |
| i. 2 min to start | NO SOUND | Yellow &/ blue flag & manual sound if required |
| j. 1 min 10 sec to start | 10 sec countdown | |
| k. 1 min to start | 1 long horn sound | P flag down |
| l. 10 sec to start | 10 sec countdown | |
| m. Start (5 min to next start) | 1 extra long horn sound | Numeral 1 down & numeral 2 up |

Keep repeating sequence from (f) to (m) until timer turned off

SEQUENCE THREE

TO ACTIVATE HOLD DOWN “4 3 2 1 START” BUTTON AND TURN TIMER ON.
3 BEEPS WILL SOUND. ENSURE THAT YOU HAVE RELEASED THE “4 3 2 1 START” BUTTON
BEFORE THE END OF THE THIRD BEEP.

5 4 - 1 ROLL BUTTON

Pressing this will demo a 10 second count down sequence and a start.
(NB only the buzzer will operate)

REPLACING BATTERIES

Place timer face down on a soft surface to avoid scratching the face, (a towel on a table is ideal)

Undo 4 screws holding the back of the case on, and remove the back of the case.

Remove the screw holding battery cover in place.

Slide battery cover in direction of arrow and then remove.

Replace the 3 AA batteries.

Place battery cover back on **ensuring that both sides have clicked into place** before sliding the cover in the opposite direction to the arrow

Replace the screw to hold the battery cover in place.

Replace the back of the case, making sure that the seal in the back of the case is still in place.

Do up the 4 screws to hold the back of the case on.