ALGE STARTBEEP STB1

USER MANUAL

STARTBEEP STB1 COMPONENTS
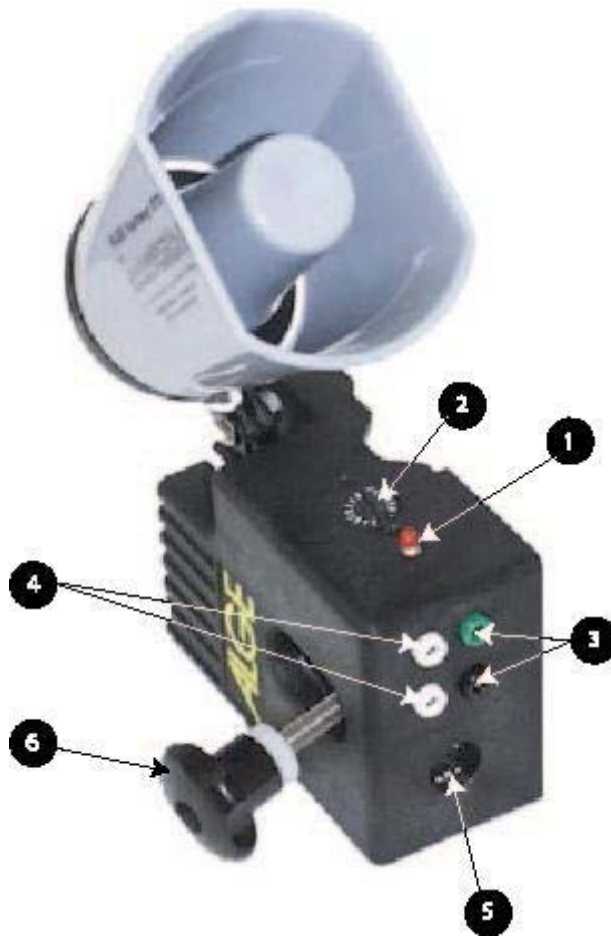
1................internal switch: e.g. for manual start or horn

2................rotary switch: switch with position off (0) and 15 function positions

3................green and black banana jacks: for synchronisation and external
            hand switch

4................white banana jacks: potential free contact to start a timer

5................6 pin DIN jack: connection for net charger ALGE NGL13 or external
            switch

6................screwed hook to fix the Startbeep chain to a post

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The ALGE Startbeep is a device for regulated and organized starts

The Startbeep has 9 fixed and 2 selectable programs. It also has a program, which starts a countdown by pressing the red button (1).

All countdown programs can be started with or without a pre-warning. The Pre-warning is an acoustic signal ten seconds before the start.

SWITCH POSITIONS:

0	Power off
1	Countdown every 10 seconds (Pre-warning not possible)
2	Countdown every 15 seconds
3	Countdown every 20 seconds
4	Countdown every 30 seconds
5	Countdown every 40 seconds
6	Countdown every 45 seconds
7	Countdown every 60 seconds
8	Countdown every 1 minute 30 seconds
9	Countdown every 2 minute 30 seconds
A	User programmable time A
B	User programmable time B
C	Set minutes
D	Set seconds
E	Horn (Acoustic signal)
F	Manual (countdown by pressing button (1)

GENERAL FUNCTIONS

PRE-WARNING

The standard countdown is without a pre-warning (no ten second tone before the start)

If you would like to work with a pre-warning, press and hold the red button (1) while turning the device on. Now every countdown program has a pre-warning tone ten seconds before the start.

The pre-warning tone works only for intervals over 10 seconds in duration.

SWITCH COUNTDOWN INTERVALS (2)

You can switch the countdown intervals at any time to a new position. Once you reach the new position, press the red button (1) to confirm the new countdown interval.

START OUTPUT TO START A TIMING DEVICE

If you connect the two white banana jacks (4) on the Startbeep to another timing device (Start input), you can start the timer with the Startbeep. The timer starts with the beginning of the last beep (high tone) of the countdown.

SYNCHRONIZATION AND EXTERNAL HANDSWITCH

The Startbeep can be synchronized with other timing devices through the green and black banana jacks (3). This makes it possible to control the lead and lag times.

It is also possible to plug a hand switch into the green and black banana jacks (3) to start the manual countdown or horn.

PROGRAMS

PROGRAMS 1 – 9 (SWITCH POSITION 1- 9)

A fixed interval is programmed for each switch position between 1 and 9. If you press the red button (1) while you switch the device on the pre-warning tone is set. After you turn the switch to the position you need, you need to press the red button (1) to start the countdown.

USER PROGRAMMABLE INTERVALS

Two countdown times can be programmed individually. You can store one on switch position A and the other on switch position B.

TO SET USER PROGRAMMABLE INTERVALS

- Rotate the switch 2 to position "C"
- Every time you press the red button (1) it increments by a minute
- Rotate the switch 2 to position "D"
- Every time you press the red button (1) it increments by a second
- Rotate the switch 2 to position "A" or "B" and store the interval by pressing the red button (1)
- The user programmable interval is stored until you turn the Startbeep off

MANUAL COUNTDOWN THROUGH PRESSING A BUTTON

If you turn the switch to position "F", you can start the countdown by pressing the red button (1).

HORN

Rotate the switch (2) to position "E". The tone sounds as long as you press the red button (1).

TECHNICAL DATA

Quartz frequency:	4,608 MHz
Temperature range:	-25 to +45 degrees Celsius
Storage temperature:	-40 to +65 degrees Celsius
Power supply:	1 alkaline battery 9V or 1 NiCd rechargeable battery 9V (8.4 or 7.2V)
Power consumption:	2 mA without speaker output 150 mA during speaker output

Recharge time (if using NiCd battery):

> 14 hours (do not charge the battery longer than 16 hours, it may decrease the life of the battery.

Working time with full NiCd charge:
- With 30 sec. Countdown and without pre-warning: ....20 hours
- With 30 sec. Countdown and with pre-warning: ....10 hours

Working time with full alkaline battery:
- With 30 sec. Countdown and without pre-warning: ....80 hours
- With 30 sec. Countdown and with pre-warning: ....40 hours

Operating elements:	1 turn switch 1 button

CONNECTION SYSTEM

INPUTS

- 6 pin DIN jack (5)

  Connection for net charger (NGL13) and external hand switch with DIN plug
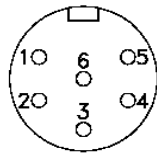
  1......................External button
  2......................No Connection
  3......................Ground
  4......................External supply (+10 to +15V)
  5......................No connection
  6......................No connection

- Green & Black banana jacks (3)
  Green jack:.....external button (like pin 1)
  Black jack: .....ground

OUTPUTS

- Two white Banana jacks (4):
  Normally open relays to start another timer
  (Read relais max. 100V/0.5A)
- Green and black banana jack (3)
  input for synchronised start and input for hand switch (e.g. manual start)