

# ALGE-TIMING

*Timing 2*



## Manual TV Timer

## Important Information

### General

Before using your **ALGE-TIMING** device read the complete manual carefully. It is part of the device and contains important information about installation, safety and its intended use. This manual cannot cover all conceivable applications. For further information or in case of problems that are mentioned not at all or not sufficiently detailed, please contact your **ALGE-TIMING** representative. You can find contact details on our homepage [www.alge-timing.com](http://www.alge-timing.com)

### Safety

Apart from the information of this manual all general safety and accident prevention regulations of the legislator must be taken into account.

The device must only be used by trained persons. The setting-up and installation must only be executed according to the manufacturer's data.

### Intended Use

The device must only be used for its intended applications. Technical modifications and any misuse are prohibited because of the risks involved! **ALGE-TIMING** is not liable for damages that are caused by improper use or incorrect operation.

### Power supply

The stated voltage on the type plate must correspond to voltage of the power source. Check all connections and plugs before usage. Damaged connection wires must be replaced immediately by an authorized electrician. The device must only be connected to an electric supply that has been installed by an electrician according to IEC 60364-1. Never touch the mains plug with wet hands! Never touch live parts!

### Cleaning

Please clean the outside of the device only with a smooth cloth. Detergents can cause damage. Never submerge in water, never open or clean with wet cloth. The cleaning must not be carried out by hose or high-pressure (risk of short circuits or other damage).

### Liability Limitations

All technical information, data and information for installation and operation correspond to the latest status at time of printing and are made in all conscience considering our past experience and knowledge. Information, pictures and description do not entitle to base any claims. The manufacturer is not liable for damage due to failure to observe the manual, improper use, incorrect repairs, technical modifications, use of unauthorized spare parts. Translations are made in all conscience. We assume no liability for translation mistakes, even if the translation is carried out by us or on our behalf.

### Disposal

If a label is placed on the device showing a crossed out dustbin on wheels (see drawing), the European directive 2002/96/EG applies for this device.

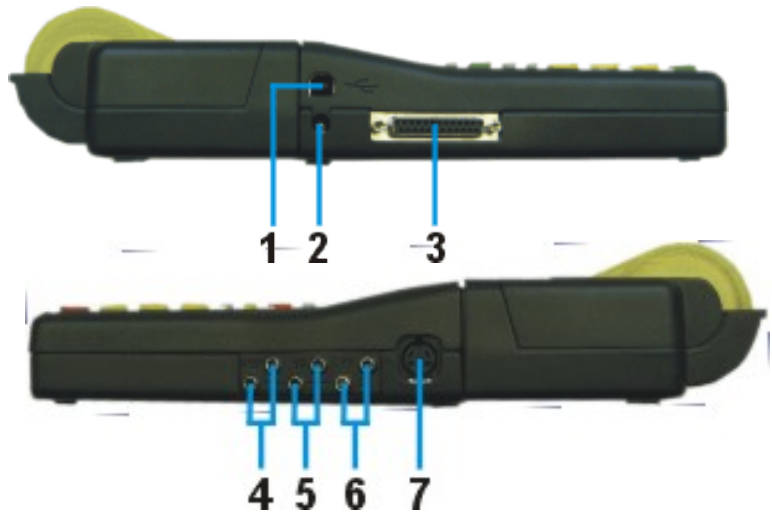
Please get informed about the applicable regulations for separate collection of electrical and electronical waste in your country and do not dispose of the old devices as household waste. Correct disposal of old equipment protects the environment and humans against negative consequences!



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## 1 Control elements



- 1.....USB-interface
- 2.....Charging socket
- 3.....ALGE multiport
- 4.....Connection for displayboard
- 5.....Connection for start emitter (C0)
- 6.....Connection for finish emitter (C1)
- 7.....Standard ALGE photocell socket

## 2 Program Description

ALGE-TIMING has developed simple software that is ideal to run TV graphic and display boards for races with a mass start. The program allows input a run number. You can make a start (channel C0) and as many stops (channel C1) as you want. With the F-keys you can select if the display on the display board interface.

## 3 Where to use this program?

This program is very useful for races where you want to run the display board or TV graphic independent from other timing devices with simple and effective software.

## 4 Timing Channels

This program uses only channel C0 for start and C1 for intermediate times or finish times.

## 5 Operating

**F0** **RUN**

When you get a stop impulse on channel C1 the time will not stop on the display (continuous running)

**F1** **ALL**

When you get a stop impulse on channel C1 the time will stop for the duration of the adjusted display time 1 (Menu – Display – Display Time 1)

**F2** **HOLD**

When you get a stop impulse on channel C1 the time will stop until you press the key F3 <CONT>. If you press F3 the display board interface will output the running time again, but will stay in the <HOLD>-mode for the next time



**CONT**

When you work in the mode <HOLD> press F3 to show the running time again.

## 6 Interface for displayboard

**Output format:** 1 start-bit, 8 data-bit, no parity-bit, 1 stop-bit  
**Bit rate:** factory setting: 9600 baud (necessary for ALGE GAZ displayboard)  
 2400, 4800, 9600, 19200, 28800, 38400  
**Transmission protocol:** ASCII

NNN . xxxxxxxxM : SSxxxx ( CR ) ..... Running time (without 1/10 seconds)  
 NNN . xxxxxHH : MM : SSxxxx ( CR ) ..... Running time (without 1/10 seconds)  
 NNN . xxxxxHH : MM : SS . zxx ( CR ) ..... Running time (with 1/10 seconds)  
 NNNCxxxxHH : MM : SS . zhtRR ( CR ) ..... Channel C1 finish time with rank  
 NNNCxxxxHH : MM : SS . zhtxx ( CR ) ..... Channel C1 finish time without rank  
 NNNDxxxxHH : MM : SS . zhtRR ( CR ) ..... Channel C1 total time with rank  
 NNNDxxxxHH : MM : SS . zhtxx ( CR ) ..... Channel C1 total time without rank  
 NNNAXxxxxHH : MM : SS . zhtRR ( CR ) ..... Channel C2 1. intermediate time  
 NNNBxxxxHH : MM : SS . zhtRR ( CR ) ..... Channel C3 2. intermediate time  
 NNNExxxxxHH : MM : SS . zhtRR ( CR ) ..... Channel C4 3. intermediate time  
 NNNFxxxxHH : MM : SS . zhtRR ( CR ) ..... Channel C5 4. intermediate time  
 NNNGxxxxHH : MM : SS . zhtRR ( CR ) ..... Channel C6 5. intermediate time  
 NNNHxxxxHH : MM : SS . zhtRR ( CR ) ..... Channel C7 6. intermediate time  
 NNNIxxxxHH : MM : SS . zhtRR ( CR ) ..... Channel C8 7. intermediate time  
 NNSxxxx©xxxxsxss . ssxRR ( CR ) ..... Speed

NNN ..... Start number (hundreds, tens, ones - digit 1 to 3)  
 . ..... a point on the fourth digit is the identification for a running time  
 HH:MM:SS.zht ..... time in hours, minutes, seconds and 1/1000 seconds  
 © ..... speed measurement: output of following ASCII signs: 01 hex for km/h, 02 hex for m/s, 03 hex for mph  
 RR ..... rank  
 x ..... blank  
 (CR) carriage return

Subject to changes

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