Zeitgeist

Talking Time Machine

Table of Contents

1: Introduction

The Zeitgeist is the most intelligent pocket watch available! This talking time machine captures the spirit of our age and leads us through modern life. The Zeitgeist combines all the relevant time related features. It provides an excellent speech output through either its integrated loudspeaker or via earphones and you can choose between 3 volume levels to suit your preference. Due to its simplicity, the Zeitgeist is not only designed for the blind and visually impaired. It also can be of great value to senior citizens.

The heart of the Zeitgeist is an electronic clock, which is controlled by a state of the art microprocessor. There are 20 main functions, which are easily accessible via the menu, and a large number of auxiliary functions. This multifunctional talking clock not only includes the announcement of the time and date but it also offers you the possibility of setting 10 alarms, one wake-up call and assigning every alarm with a different alarm signal. The features include a timer function, an integrated stopwatch, a moon calendar … and much more! It is even possible to announce a dual time, which you may choose from 18 pre-set cities. You can also customize your second time zone to suit your personal needs.

The Zeitgeist is light, handy and can fit into any pocket. With its elegant lanyard you can even wear it around your neck! The modern design of this new device is as sophisticated as the number of features it offers and its ease of use. Once you start using the Zeitgeist you'll wonder how you ever got along without it!

⚠	**Consult instructions before use!** Do not operate Zeitgeist without reading the instruction manual. Get acquainted with the device and all the accessories. Keep the instruction for reference reading and pass it on with the device.

2: Description of the device and the keys

Front view

Earphone jack

Loudspeaker grill

Left, middle and right key

Small hole for the lanyard

ZEITGEIST

Rear view

Earphone jack

Tactile markings to insert the batteries correctly

Battery compartment with lid
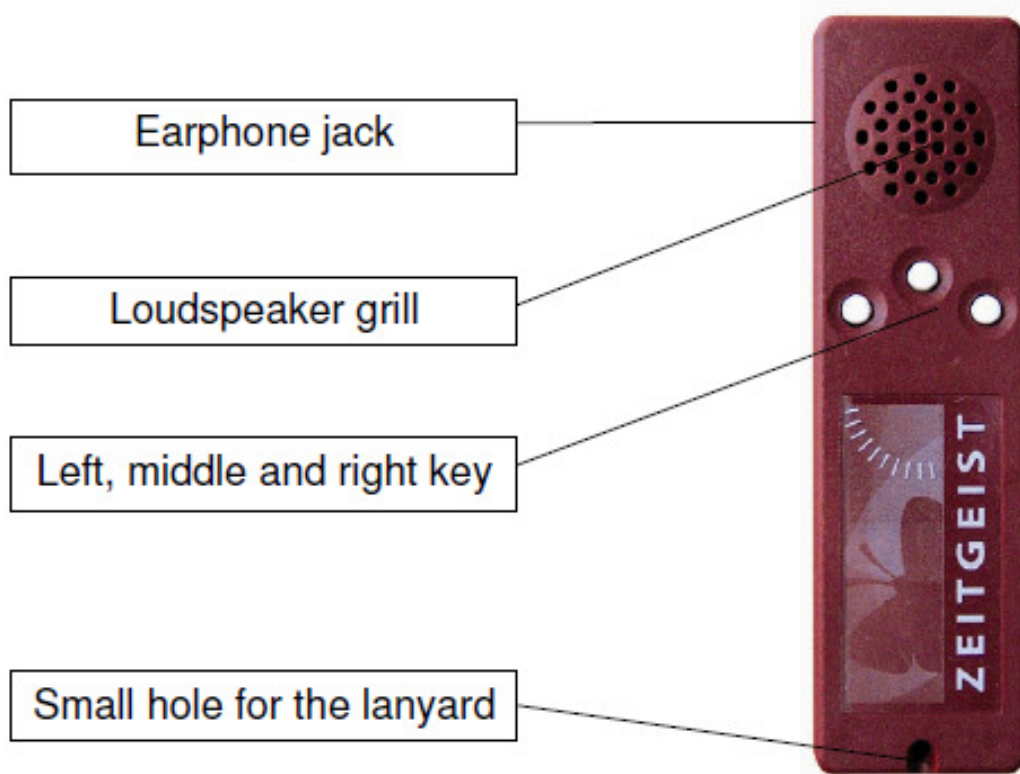
Small hole for the lanyard
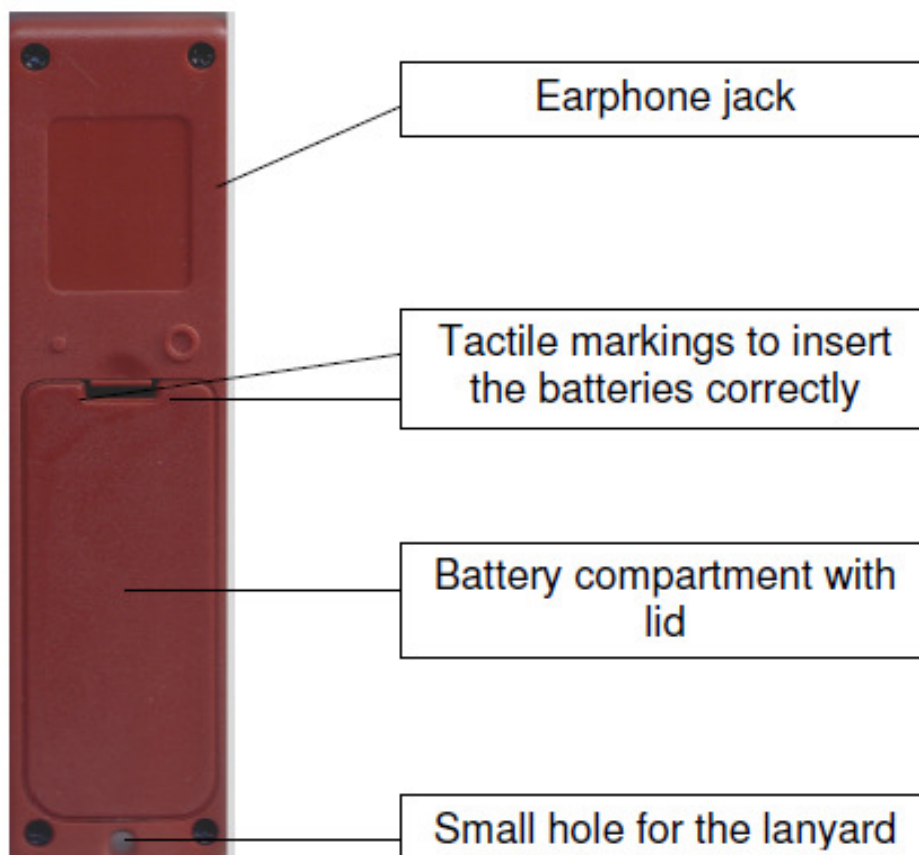
Front view
elevated loudspeaker grill, three keys

Rear view
battery compartment lid with latch, two tactile markings (dot and ring) to insert the batteries correctly

Lower part
small hole for the lanyard, the provided CareTec lanyard offers a quick-release function (press the flexible parts on the two length sides, while pulling the string)

Slim Left side
earphone jack

The three keys of the Zeitgeist can be activated with a short, a long or with a combined stroke. To make a long stroke the key has to be pressed until an acoustic feedback is heard. Every announcement may be stopped with a single press on any of the three keys. To become familiar with the device place it in front of you so that the keys are located on the flat top. The small hole for the lanyard should be close to you and the loudspeaker grill pointing away from you. Function keys are as follows:

Left key
- Short stroke: current time and further information, browsing backwards within the menu
- Long stroke: announcement of the wake-up call and the next active appointment

Right key
- Short stroke: date and further information, browsing forward within the menu
- Long stroke: escape function

Middle key
- Short stroke: gives access to menu functions, confirms menu settings
- Long stroke: gives access to a specific menu function

Left and right key simultaneous
- Combined stroke: escape function

Every stroke is accompanied by either an announcement or a variety of signals. A beep tone for example confirms the entry and indicates further access to a specific menu function.

3: How to use: start, interrupt and exit

The Zeitgeist is powered by two 1.5 Volt AAA batteries. To correctly insert please refer to the tactile markings above the battery compartment: the flat (negative) end of one battery faces the tactile ring, while the pointed (positive) end of the other battery faces the tactile dot. As soon as the batteries have connected, you will hear an announcement from the device. If the device is due for a change of batteries it announces: "weak battery". When you change batteries, stored data such as time, alarm or significant day, are retained (provided that the keys were not pressed while removing the batteries). Both timer-functions and the stopwatch function are aborted.

Every announcement or acoustic signal can be stopped with the stroke of any key. All the functions may be exited with the escape functions as described above, or after a couple of seconds inactivity.

4: Local time and further details

Short stroke of the left key: Gong "8.53 and 7 seconds a.m."
Further details that may follow up the announcement of time:
- Announcement of a second (pre-selected) time zone: "New Delhi 3 p.m."
- One to three discrete beep tones during the last three days and at the beginning of a pre-set cycle
- Announcement after the automatic time adjustment to summer or winter time: "automatic time adjustment carried out"

5: Alarm and next appointment

Long stroke of the left key until the announcement is heard. This may be:
  – "Wake-up call at 9 o'clock a.m." or "wake-up call not active"
  – "Next appointment: appointment 2, daily at 2.10 p.m." or "appointment not active"

6: Current date and further information

Short stroke of the right key: "Thursday, 23rd June 2005"
Additional information:
  – Current calendar week: "calendar week 25"
  – Current moon constellation: "waning moon"
  – Remaining days till full moon or new moon: "13 days till new moon"
  – Non scientific suggestion: "ideal to do the laundry"
  – Current zodiac and element: "zodiac sign Cancer, element water"
  – Day of the year: "174"
  – Days till the end of the year: "191"

7: Menu

With a short stroke of the middle key the menu is accessed. Choose between the various menu functions, which may be activated and executed. A short stroke of either the left or the right key browses among these functions, which are arranged in an infinite loop. Accelerated access is possible with a series of quick strokes.

Pressing the left key after accessing the menu leads to the adjustable menu functions (dark ones in the diagram bellow). Pressing the right key after accessing the menu leads to the applications (light ones in the diagram bellow).

After choosing a menu function you can get its status report with a short stroke of the middle key. A long stroke of the middle key enters the specific menu function.
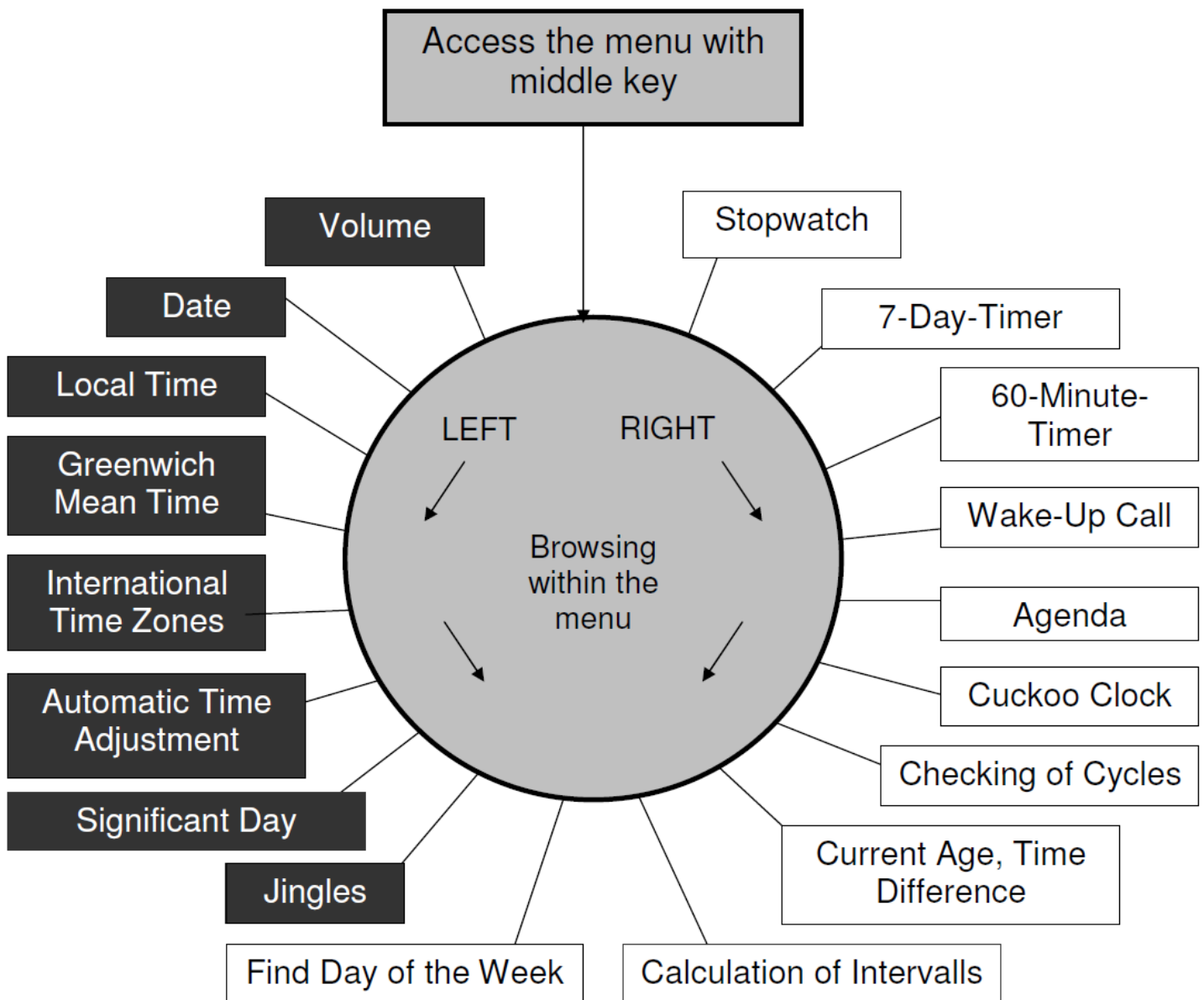
7.1: Adjustable Menu Functions
7.1.1: Volume
  – Browse in menu until you hear: "volume"
  – Short stroke middle key: status "volume 2"
  – Long stroke middle key: beep tone, "volume adjustment / volume 2"
  – Short stroke left or right key: select volume (3 settings)
  – Short stroke middle key: confirm choice, announcement of current volume, the menu function is exited with a beep tone

7.1.2: Date
  – Browse in menu until you hear: "date"
  – Short stroke middle key: status "Thursday, 23rd June 2005"
  – Long stroke middle key: beep tone "date adjustment / 2005"
  – Short stroke left or right key: select year
  – Short stroke middle key: confirm choice, announcement of month
  – Short stroke left or right key: select month

- Short stroke middle key: confirm choice, announcement of day
- Short stroke left or right key: select day
- Short stroke middle key: confirm choice, announcement of actual date (including weekday), the menu function is exited with a beep tone

7.1.3: Local Time

This menu function serves the time adjustment of the clock. Please note that in order to benefit from all the menu functions of the Zeitgeist it is vital to pre-set the time difference to the Greenwich Mean Time (see 7.1.4).
- Browse in menu until you hear: "local Time"
- Short stroke middle key: Gong "9.09 and 24 seconds a.m."
- Long stroke middle key: beep tone "local time adjustment / 9 o'clock a.m."
- Short stroke left or right key: select hour
- Short stroke middle key: confirm choice, announcement of minutes
- Short stroke left or right key: select minutes
- Short stroke middle key: confirm choice, you hear a gong signal followed by an announcement of the actual local time, the menu function is exited with a beep tone. The seconds cannot be adjusted, they start from zero.

7.1.4: Greenwich Mean Time

The Greenwich Mean Time (GMT) is taken as a basis for all the different time zones throughout the world. The actual time difference can be quoted in either plus or minus hours (and minutes). The Zeitgeist offers the following adjust-ments concerning GMT and other time zones:
- Adjustable time difference to the local time of the user. In North America this difference may vary from -4 to -11 hours, in Great Britain it is 0 hours. Depending on the time difference entered, the Zeitgeist is able to compute the respective Daylight Saving Time (either according to North American or European Standard)
- Time differences between the GMT and 18 pre-set cities. Since these cities use a standardized daylight saving time, the Zeitgeist is able to calculate their actual local time and the time-changes automatically.
- Individually calculable time difference of 3 other cities or time zones.

With these various time differences from a designated time zone to the GMT it is possible for the Zeitgeist to calculate the actual local time, the summer- and winter time changes, as well as the current time in other time zones. The latter can be announced and even be selected under the menu function "International Time Zones" (see below 7.1.5).

How to adjust the time difference to the Greenwich Mean Time:
- Browse in menu until you hear: "Greenwich Mean Time"
- Short stroke middle key: "periode of time"
- Long stroke middle key: beep tone "periode of time adjustment, time zone local, 0 hours"
- Short stroke left or right key: select designated time zone (time zone local, time zone city 1, 2 or 3). The respective time difference is also announced
- Short stroke middle key: confirm choice, announcement "plus 1 hour"
- Short stroke left or right key: select plus- or minus-hours
- Short stroke middle key: confirm choice, announcement "0 minutes"
- Short stroke left or right key: select minutes (0 / 15 / 30 / 45)
- Short stroke middle key: confirm choice, announcement "time difference plus 1 hour", the menu function is exited with a beep tone.

7.1.5: International Time Zones
The correct entry of the respective time differences to the Greenwich Mean Time (see 7.1.4) enables the Zeitgeist to calculate and announce a variety of international time zones. One of them may be quoted in addition to the announcement of the local time (see 4). In order to compute the international time zones correctly, make sure the automatic time adjustment is set active!
- Browse in menu until you hear: "international time zones"
- Short stroke middle key: status of current choice
- Long stroke middle key: beep tone "international time zones adjustment" and announcement of current choice
- Short stroke left or right key: select city (18 pre-set cities, 3 individual time zones and "no selection" are arranged in an infinite loop)
- Short stroke middle key: confirm choice, announcement of chosen city/time zone with the actual time, the menu function is exited with a beep tone.

7.1.6: Automatic Time Adjustment
In Europe, North America and Australia the Daylight Saving Time is standardized. Here the Zeitgeist can adopt the actual time automatically. This auto-change can also be deactivated. If Automatic-Time-Adjustment is deactivated, no calculation and proper function of GMT and International-Time-Zone is possible.
- Browse in menu until you hear: "automatic time adjustment"
- Short stroke middle key: status "active" or "not active"
- Long stroke middle key: beep tone "automatic time adjustment" and announcement of status
- Short stroke left or right key: select status
- Short stroke middle key: confirm choice, the menu function is exited with a beep tone

7.1.7: Significant Day

With the significant day it is possible to identify the owner of a Zeitgeist. In combination with the current date and time the device can calculate the age of a person or object. This calculation (past and the future dates are possible), will be stored in the menu function "current age, time difference" (see 7.2.8).
- Browse in menu until you hear: "significant day"
- Short stroke middle key: status, announcement of the actual significant day (including weekday and time)
- Long stroke middle key: beep tone "significant day adjustment" and announcement of the year
- Short stroke left or right key: select year (from 1900 to 2099)
- Short stroke middle key: confirm choice, announcement month
- Continue with the selection of month, day, hour and minute as in the selection of date and time (see above). The confirmation of the minutes with a short stroke on the middle key is followed by an announcement of day, date and time. The menu function is exited with a beep tone.

7.1.8: Jingles

The jingles provided by the Zeitgeist may be used with the wake-up call and the agenda. A jingle may also contain a special information – the use of a specific jingle with certain alarms may help remind you, for example, to take your medication on a regular basis. To listen to the jingles:
- Browse in menu until you hear: "jingles"
- Short stroke middle key: "14 jingles available"
- Long stroke middle key: beep tone "jingles" and demo
- Short stroke left or right key: access jingles (arranged in an infinite loop)
- Short stroke middle key: exit selection of jingles, beep tone

7.2: Applications
7.2.1: Stopwatch

The stopwatch on the Zeitgeist has an unlimited elapse time. If the menu function is exited without stopping, the stopwatch will continue in the background. It will be aborted in case of adjustment of the local time or changing of the batteries.
- Browse in menu until you hear: "stopwatch"
- Short stroke middle key: status, either "not active" or "40 seconds" or "40 seconds, stopped"
- Long stroke middle key: beep tone, "stopwatch ready"
- Short stroke left or right key: either (re-)start or stop
- Short stroke middle key: announcement of (intermediate-)time
- Short stroke right key: "stopwatch active" or, if the time already has been stopped "resetted to zero"

– Long stroke right key: exit stopwatch. The stopwatch may be running in covert, may be stopped (and the stopped time memorized) or may be resetted.

7.2.2: Seven-Day-Timer

The seven-day-timer can be set up to 6 days, 23 hours, 59 minutes and 50 seconds. This function will run in the background. The timer will stop in the event of a battery change. The active seven-day-timer will give you a beep signal every hour. If the remaining time is less than one hour you will hear the beep every 10 minutes; if the remaining time is less than 10 minutes you will hear the beep every minute; if the remaining time is less than 1 minute you will hear the beep every 10 seconds. In the last remaining 10 seconds, you will hear the beep every second. In order to reset the timer it has to be set "non-active" – the menu function is then abandoned automatically.

– Browse in menu until you hear: "seven-day-timer"
– Short stroke middle key: Status, either "not active" or announcement of the remaining time "another 5 minutes, 50 seconds"
– Long stroke middle key: beep tone "timer adjustment" and announcement of status
– Short stroke left or right key: select "active" (otherwise exit of menu function with a beep tone)
– Short stroke middle key: confirm choice, announcement "0 days"
– Short stroke left or right key: select days
– Short stroke middle key: confirm days, announcement "0 hours"
– Continue with the selection of hours, minutes and seconds (in 10 second steps) as in the selection of day (see above). The confirmation of the seconds with a short stroke on the middle key is followed by an announcement "Start, another 2 hours, 10 minutes, 30 seconds" and the menu function is exited with a beep tone.

7.2.3: Sixty-Minute-Timer

The sixty-minute-timer may be set up to 59 minutes, and 50 seconds. It works in a similar way to the seven-day-timer but without the days and the hours.

7.2.4: Wake-Up Call

The Zeitgeist offers you the opportunity to set a daily wake-up call.

– Browse in menu until you hear: "wake-up call"
– Short stroke middle key: Status, either "wake-up call not active" or announcement of wake-up call "wake-up call at 7 o'clock a.m."
– Long stroke middle key: beep tone "wake-up call adjustment" and announcement of status
– Short stroke left or right key: select "active" (otherwise exit of menu function with a beep tone)

- Short stroke middle key: confirm status, announcement of hour
- Short stroke left or right key: select hour
- Short stroke middle key: confirm hour, announcement of minutes
- Continue with the selection of minutes, jingle and volume as above. The confirmation of the last entry with a short stroke on the middle key is followed by the announcement "wake-up call at 9.10 a.m." and the selected jingle. The menu function is exited with a beep tone.

7.2.5: Agenda

The Zeitgeist is able to manage up to ten nonrecurring or recurring appointments. The possible intervals of appointments are: once, daily, weekly, Monday to Friday, monthly and annually.

- Browse in menu until you hear: "agenda"
- Short stroke middle key: Status, either "appointment not active" or number of active appointments "3 appointments active"
- Long stroke middle key: beep tone "appointment adjustment / appointment 1, not active / setting"
- Short stroke left or right key: select appointment
- Short stroke middle key: confirm choice "appointment 1, not active / setting"
- Long stroke middle key: beep tone "appointment adjustment", beep tone, and status
- Short stroke left or right key: select status "active" (otherwise the menu is abandoned with a beep tone)
- Short stroke middle key: confirm status, announcement intervall
- Short stroke left or right key: select interval
- Short stroke middle key: confirm interval, next announcement
- Continue as above. The confirmation of the last entry with a short stroke on the middle key is followed by the announcement of the appointment (including interval, time and jingle). The menu function is exited with a beep tone.

7.2.6: Cuckoo Clock

The hourly report with a cuckoo call may be restricted to an individually specified period of time. If you wish to hear the cuckoo call every single hour of the day, it is necessary to set the time of beginning to 12 o'clock a.m. since the time of ending can only be set from the time of beginning up to 11 o'clock p.m.

- Browse in menu until you hear: "cuckoo clock"
- Short stroke middle key: Status, either "not active" or announcement of start and end time.
- Long stroke middle key: beep tone "cuckoo clock adjustment" and announcement of status

- Short stroke left or right key: select "active" (otherwise exit of menu function with a beep tone)
- Short stroke middle key: confirm choice, announcement of start time
- Short stroke left or right key: select start time
- Short stroke middle key: confirm start time
- Continue with the selection of the end time as above. The confirmation of the entry with a short stroke on the middle key is followed by an announcement "start time: 10 o'clock a.m., end time: 6 o'clock p.m." and the menu function is exited with a beep tone.

7.2.7: Checking of Cycles

Cycles are recurring intervals. The Zeitgeist offers a choice between pre-set intervals (month, quarter, season and year) and an arbitrary cycle (which may be any interval from 4 to 50 days). With this device you may be secretly reminded of the ending month, the close menstruation or a recurring visit to your physician.

While activating the announcement of time there will be one to three beep tones during the last three days and the beginning of a pre-set cycle (1 beep: 3 days, 2 beep: 2 days, 3 beep: 1 day until end of cycle; 3 double beep tones: beginning of cycle).

- Browse in menu until you hear: "checking of cycles"
- Short stroke middle key: Status, either "not active" or announcement of the remaining time "another 21 days"
- Long stroke middle key: beep tone "cycles adjustment" and announcement of status
- Short stroke left or right key: select "active" (otherwise exit of menu function with a beep tone)
- Short stroke middle key: confirm choice, announcement interval
- Short stroke left or right key: select interval, for example: "individual cycle adjustable" (please note that the various intervals require different input data)
- Short stroke middle key: confirm interval, announcement "28 days"
- Short stroke left or right key: select range of interval
- Short stroke middle key: confirm range of interval, announcement "2005"
- Short stroke left or right key: select year of begin of cycle
- Short stroke middle key: confirm year of begin of cycle
- Continue with the selection of month and date as above. The confirmation of the last entry with a short stroke on the middle key is followed by an announcement "28 days, begin: Thursday, 23rd June 2005" and the menu function is exited with a beep tone.

7.2.8: Current Age, Time Difference
The Zeitgeist calculates the time difference between the significant day (see 7.1.7) and the present date and time. It therefore can tell you the current age of a person or an object or the time span from a previous or to a future event. Besides the announcement in years, months, days, hours and minutes this period of time can also be quoted: In months, days, hours and minutes; In days, hours and minutes or In hours and minutes

- Browse in menu until you hear: "current age, time difference"
- Short stroke middle key: announcement of computation
- Long stroke middle key: beep tone and announcement of the computation (serves as an entry to the alternative announcement)
- Short stroke left or right key: repeat announcement
- Short stroke middle key: alternative announcement "or 419 months…" each further stroke on the middle key delivers another alternative announcement. The menu function is exited with a beep tone after the announcement in hours and minutes.
- Short stroke left or right key: repeat actual announcement

7.2.9: Calculation of Intervals
This function serves to calculate the time between two given dates.

- Browse in menu until you hear: "calculation of intervals"
- Short stroke middle key: announcement of previous computation or – if there is none – an acoustic signal
- Long stroke middle key: beep tone "calculation of intervals adjustment, first date: 2005"
- Short stroke left or right key: select year of first date
- Short stroke middle key: confirm year, announcement "June"
- Continue with the selection of month, day, hours and minutes as above. The confirmation of the last entry with a short stroke on the middle key is followed by the announcement "second date: 2005"
- Continue with the setting of the second date as with entering the first. After the confirmation of the last entry with a short stroke on the middle key the time span is announced: "1 year, 2 month, 8 days, 5 hours, 56 minutes".
- Short stroke middle key: alternative announcement of the time span (see 7.2.8). The menu function is exited with a beep tone after the announcement in hours and minutes.

7.2.10: Find Day of the Week
With this function the Zeitgeist names the day of the week of a given date – for example a birthday or a fixed holiday (as Christmas).

- Browse in menu until you hear: "find day of the week"
- Short stroke middle key: announcement of previous computation

- Long stroke middle key: beep tone "find day of the week / 2005"
- Short stroke left or right key: select year
- Short stroke middle key: confirm year, announcement "June"
- Continue with the selection of month and day as above. The confirmation of the last entry with a short stroke on the middle key is followed by the announcement of the weekday including the date. The menu function is exited with a beep tone.

8: International Time Zones

London	12.00	New Delhi	17.30 (+ 5.5 h)
Lisbon	12.00	Bangkok	19.00 (+ 7 h)
Madrid	13.00 (+ 1 h)	Hong Kong	20.00 (+ 8 h)
Paris	13.00 (+ 1 h)	Tokyo	21.00 (+ 9 h)
Rome	13.00 (+ 1 h)	Sydney	23.00 (+ 11 h)
Berlin	13.00 (+ 1 h)	Honolulu	02.00 (- 11 h)
Athens	14.00 (+ 2 h)	Los Angeles	04.00 (- 8 h)
Istanbul	14.00 (+ 2 h)	Chicago	06.00 (- 6 h)
Moscow	15.00 (+ 3 h)	New York	07.00 (- 5 h)

9: Safety Instructions

Do not expose the device to extreme humidity, heat, cold, dust or dirt.

When exposed to splash water, wipe the device off. If water enters the device, remove the batteries and make sure the device is dry.

When not using the device for a longer period, remove the batteries, so they can not damage the device by leaking.

Make sure the batteries are inserted in the correct way.

10: Cleaning the Device

To clean the device, use a lightly moistened cloth only!

⚠	**Caution:** No liquid should enter the device! Avoid strong acid or scrubbing cleansers. Do not scrub the surface with rough sponges, as they could damage the case of the device.

11: Technical Data

Speech Output:	Integrated natural speech output, digitalized
Volume Control:	3 volume levels, earphone socket available
Dimensions:	115 x 30 x 15 mm
Weight:	65 gram (including batteries)
Power Supply:	2 Alkaline batteries (1.5 V Micro AAA)
Scope of delivery:	Zeitgeist (including 2 x 1.5 V Micro AAA batteries), lanyard, instruction manual

12: Guarantee and Service

From the date of purchase, we issue to the original purchaser of this product a guarantee of:

– twenty-four (24) months on the device itself,
– twelve (12) months on the accessories (e.g. power supply, earphones etc.),
– six (6) months on wear parts (e.g. battery, case etc.)

Please note that we do not issue any guarantee on batteries!

During the guarantee periods mentioned above, the product will be either repaired or replaced free of charge. In no event shall CareTec be liable for indirect, special or consequential damages. The exposure of the device to liquids, strong electromagnetic fields, heat as well as dropping the device or opening the case causes immediate loss of guarantee. In case of problems please contact CareTec or your local distributor before returning the device without any apparent reason. We will then inform you about the necessary procedures. The device may only be opened by authorized technicians!

CareTec reserves the right to make any changes or improvements to its products without further notice.

13: Legal Notice on the Disposal of Electronic Devices
13.1: Disposal of used Electronic Devices

	This product must be disposed of separately from household waste at specially designated collection and recycling points. For further information please contact your local authorities.

13.2: Recycling Batteries

	Batteries must not be disposed of in household waste. As a consumer you are legaly obligated to bring your old batteries to public collecting points (in your community or any shop that provides these batteries).

Pb-Cd-Hg These signs can be found on contaminant-laden batteries.
        Pb = containing lead
        Cd = containing cadmium
        Hg = containing mercury

14: Symbols used

⚠️	Caution

ℹ️	Note

🗑️	Dispose of separately from household waste

🏭	Manufacturer

15: Manufacturer

	CareTec GmbH, Stubenbastei 1, A-1010 Vienna, Austria is the manufacturer of this product. Phone (+43 1) 513 80 81 0 Fax (+43 1) 513 80 81 9 E-mail: office@caretec.at Web: www.caretec.at

Zeitgeist 09/2011 CE