Zeitgeist 2

The all-rounder among pocket watches

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The Zeitgeist 2 is a true delight: a speaking watch with all kinds of additional cutting-edge functions. The Zeitgeist 2 can either be worn around your neck on the accompanying strap or carried space-savingly as a pocket watch.

Acoustic communication takes the form of natural-sounding voice output and short musical jingles.

Although designed for visually impaired users, the Zeitgeist 2 can also be useful to sighted persons of every age.

Scope of supply

- Zeitgeist 2 basic device (7x4x1 cm, 29 grams)
- Neck strap
- USB power adapter
- USB charging cable (USB-A to USB-C)
- User guide (in print and on a USB stick)

LOOP FOR STRAP
BATTERY ICON
TOP BUTTON
STATUS BAR
MIDDLE BUTTON
DISPLAY
BOTTOM BUTTON
LUMITEST LENS
STATUS LED
MICROPHONE
LOUDSPEAKER
USB TYPE C CONNECTOR (FROM SIDE)

Care of the device

The Zeitgeist 2 has been designed with durability in mind, but it calls for cooperation from the user if this is to be attained. The device is not waterproof, so please keep it away from liquids and fluids. Make sure that no foreign substances get into the device openings.

Power supply

Integrated rechargeable lithium-polymer battery, capacity 3.7 V and 400 mAh, with protection circuit. A USB-C connector cable for recharging is included. It may be inserted in either direction, i.e. it has no "up" or "down" position. (No exchange of data via the USB connection.) The length of charge is several weeks to several months, depending on intensity of usage and age (wear) of the battery.

Operating principles

The device has basically been designed to be completely acoustic in use; the graphics-enabled, reflective LCD display merely provides extra information for sighted people. Whenever a button is pressed, this is indicated by haptic feedback in the form of a brief vibration.

The **home screen**, when no buttons have been pressed for a while, will show the basic display with the most important device information such as the clock time, the date, and on the top right, the charging status of the battery. In the top left corner, various icons are displayed depending on the operating state; see the list in the picture. For a detailed description, please see the complete User Guide, Chapter 2.3.

If you are in a sub-menu on the device, the audio output will be supplemented by the individual input/output status shown on the display.

STATUS BAR		BATTERY ICON

LUNAR PHASES: ○ ☽ ◗ ● ● ● ◖ ◖

OTHER ICONS:
- GPS TIME SYNCHRONIZATION
- DEVICE LOCKED
- ALARM
- LIGHT NOTIFIER
- BED SHAKER
- SILENT MODE

Tuesday
1:23
Feb. 20
2035

- BATTERY FULL
- BATTERY 40% TO 70%
- BATTERY 13% TO 40%
- BATTERY IS EMPTY
- BATTERY IS CHARGING
- BATTERY IS CHARGING 13 % DONE
- BATTERY IS CHARGING 40% DONE
- BATTERY IS CHARGING 70 % DONE

The Zeitgeist 2 uses almost exclusively what are known as endless scrolling menus and numeric settings. In other words, when scrolling up and down, you are moving in a loop, e.g. when selecting a month, January comes after December.
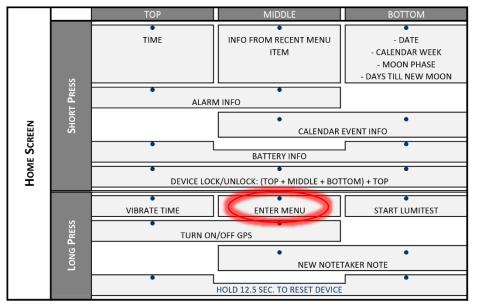
In the case of the three buttons, the device distinguishes between how long they are pressed: **SHORT** and **LONG** (LONG is around one second).The functions of the buttons are similar for many menu items:

- Use a **SHORT** press of the **top** or **bottom** button (**Top SHORT or Bottom SHORT**) to scroll up or down or to switch between states, e.g. between active or inactive.
- Use a **LONG** press of the **middle** button (**Middle LONG**) to start a menu item.
- Use a **SHORT** press of the **middle** button (**Middle SHORT**) for information about the relevant menu item. In each item you move forward one step in the sequence of available options.

For example, when setting a time in the calendar:

As you move forward by one step between year/month/day, etc. by pressing **Middle SHORT**, you are simultaneously confirming the previous item. The individual numerical value, e.g. number for the day, is selected by repeatedly pressing **Top** or **Bottom SHORT**.

As regards **button combinations** when two buttons are pressed simultaneously, the device distinguishes between **SHORT** and **LONG** as well. The most important combination that is valid wherever you happen to be is: **Top and Bottom SHORT** = **Escape** from the functions; this will take you back to the home screen.

		TOP	MIDDLE	BOTTOM
HOME SCREEN	**SHORT PRESS**	TIME	INFO FROM RECENT MENU ITEM	- DATE - CALENDAR WEEK - MOON PHASE - DAYS TILL NEW MOON
		ALARM INFO		
			CALENDAR EVENT INFO	
		BATTERY INFO		
		DEVICE LOCK/UNLOCK: (TOP + MIDDLE + BOTTOM) + TOP		
	LONG PRESS	VIBRATE TIME	ENTER MENU	START LUMITEST
		TURN ON/OFF GPS		
			NEW NOTETAKER NOTE	
		HOLD 12.5 SEC. TO RESET DEVICE		

You can also access general functions directly from the home screen:
- Tactile time output in vibration (for details of vibration coding system see Chapter 5.1.1)
- Acoustic time and date announcement in long form
- Button lock (key lock) and RESET

Overview of functions in main menu and where to find them in the USER GUIDE

The main menu is started with **Middle LONG** in the home screen.
Top SHORT / **Bottom SHORT** are used to scroll through the individual entries.
If no buttons are pressed for around 10 seconds, the device will return to the home screen with a small audio signal.
If **Middle SHORT** is pressed, information retrieval for the individual menu item will start. You will, for example, hear how many calendar entries or voice memos already exist. Some of this information can also be retrieved directly from the home screen with certain button combinations (quick access).
Middle LONG starts the relevant function in the main menu.
Some functions continue running in the background while the display shows the home screen again.

Zeitgeist 2 MENU structure

In general, for all functions, a corresponding voice output will be heard whenever a button is pressed. With some functions, e.g. the chess clock (game clock), it is necessary to select options before starting the function, while others, such as the stopwatch, are ready for use immediately.

System settings (settings sub-menu) and where to find them in the USER GUIDE

To call up individual system settings, select the Settings sub-menu in the main menu and scroll through the available options with **Top** or **Bottom SHORT**. You can then start the function you require with **Middle LONG**. As in the main menu, **Middle SHORT** is used to output the current settings of the individual entry. The same operating principles apply here, i.e. use **Top** or **Bottom SHORT** to edit numerical values and select options and **Middle SHORT** to confirm or move forward to further options.

If you wish to cancel in the middle of a setting, you can return to the home screen as usual with the combination **Top+Bottom SHORT**, without saving the settings just entered.

Further information

	This device was manufactured by: CareTec International GmbH Stubenbastei 1 A-1010 Vienna Austria Phone: (+43 1) 513 80 81 - 0 Fax: (+43 1) 513 80 81 - 9 Email: office@caretec.at Internet: www.caretec.at

The CareTec company has been developing and manufacturing speaking and tactile aids for severely visually impaired, blind, deaf-blind, and colorblind people since 1988. Distributors in numerous countries sell CareTec products, which include simple aids such as signature templates, battery testers, sock pairers, Braille label makers, coin boxes, and devices for identifying banknotes and coins, with over 1 million users in many countries, as well as sophisticated tactile and/or speaking products such as aids for tactile freehand and geometrical drawing on special foils, color and light detectors, kitchen and bathroom scales, commercial and scientific calculators, label readers, ultrasound obstacle detectors, battery chargers, tape measures, watches, and white canes.

Awards: The "Louis Braille Prize" of the German Federation of the Blind and the "Winston Gordon Award of Excellence" of the CNIB / Canadian National Institute for the Blind; First Prize and five Honorable Mentions in the "Mercur" Innovation Award of the Vienna Economic Chamber.