



TELLTIME · SWISS WORD CLOUD CLOCK

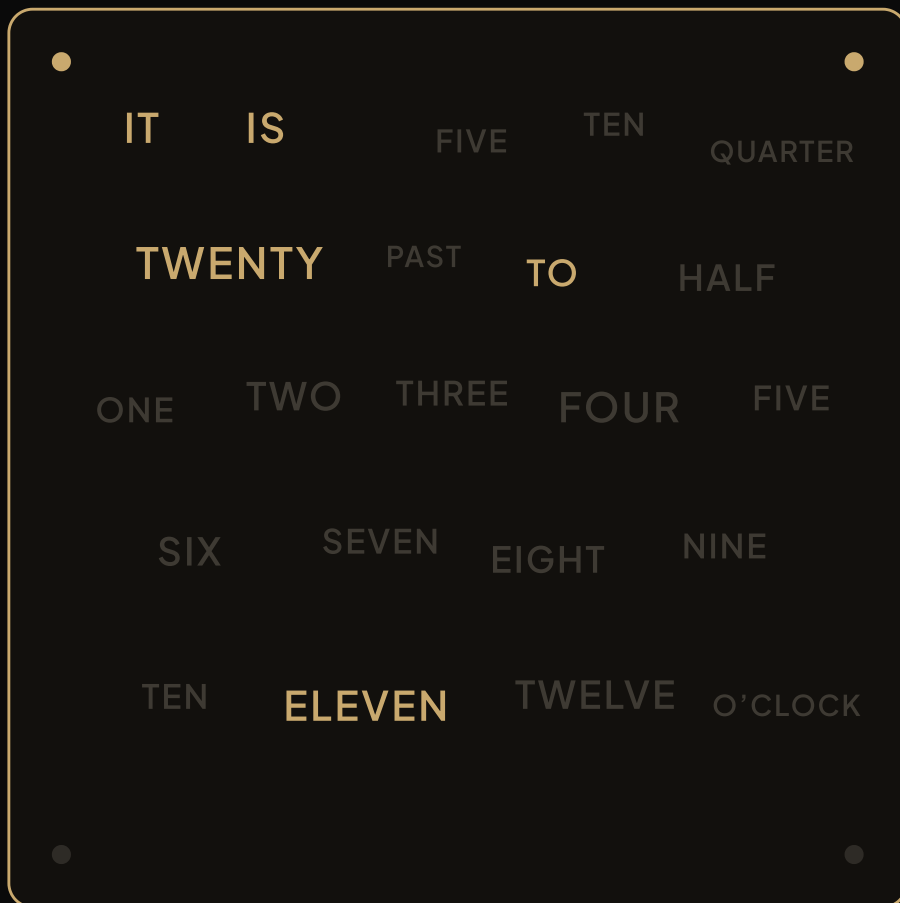
# OPERATING MANUAL

MODEL GRAIN · 38 × 38 CM

Document TT-GRAIN-OM-EN · Version 1.0 · Issued July 2026

Valid from firmware 2.2.0 · Language English

Applies to all GRAIN variants (walnut · oak · olive, all front-plate languages)



TELLTIME +

HANDCRAFTED IN MATZENDORF · SWITZERLAND

## WELCOME

# THANK YOU FOR MAKING TIME

Your Telltime GRAIN tells the time not in digits but in words — as a freely arranged word cloud, crafted from oiled solid wood in our workshop in Matzendorf, Switzerland. This manual guides you through setup, operation and all features. Separate guides are included for wall mounting and care.

## WHAT'S IN THE BOX

|    |                                                       |
|----|-------------------------------------------------------|
| 1× | Telltime GRAIN word clock (body with electronics)     |
| 1× | Magnetic solid-wood front plate (language as ordered) |
| 1× | Wall bracket + retaining screw incl. wall plug        |
| 1× | White USB-C textile cable, 2 m                        |
| 1× | USB power adapter 5 V                                 |
| 1× | Drilling template (1:1) and manuals                   |

Anything missing? Contact us at [info@telltime.swiss](mailto:info@telltime.swiss) — we'll sort it out right away.

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## 1 SAFETY INFORMATION

Read this information in full before first use. Keep the manual and pass it on with the device.

### ⚠ POWER SUPPLY

- Operate the clock only with the supplied USB power adapter (5 V) or an equivalent, certified USB adapter rated at least 5 V / 3 A.
- The device itself runs on safety extra-low voltage (SELV, 5 V) — there is no mains voltage inside.
- Do not use damaged cables or adapters. If damage occurs, unplug immediately.
- Route the cable so that no one can trip over it or pull on it.

### ⚠ COIN CELL — SWALLOWING HAZARD

- The device contains a **CR2032** lithium coin cell (the clock's time reserve).
- Coin cells are life-threatening if swallowed (risk of chemical burns). If swallowing is suspected, seek medical help immediately.
- Keep the device and spare batteries away from children. The battery is non-rechargeable and must not be short-circuited, opened or thrown into fire.

## PLACEMENT & OPERATION

- For dry indoor spaces only (0–35 °C). Do not use in wet rooms, outdoors or in areas exposed to splashing water.
- The clock is intended for wall mounting — follow the enclosed mounting instructions (device weight approx. 3.8 kg, use suitable fixings).
- Do not cover the device. Do not trap objects between the front and the wall — the electronics give off a little heat in operation, which needs to circulate.
- Avoid direct, prolonged sunlight: solid wood is a natural material and may darken or fade.
- This product is not a toy. The magnetic front plate contains strong magnets — keep away from pacemakers, magnetic cards and sensitive devices.

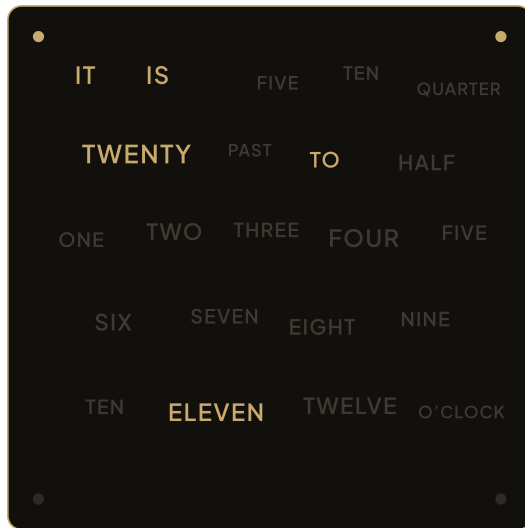
## REPAIR & MODIFICATION

- Do not open the body yourself and do not modify the electronics. Telltime clocks are built to be repairable — for repairs, contact [info@telltime.swiss](mailto:info@telltime.swiss).
- In case of unusual heat, smell or smoke: unplug immediately and get in touch.

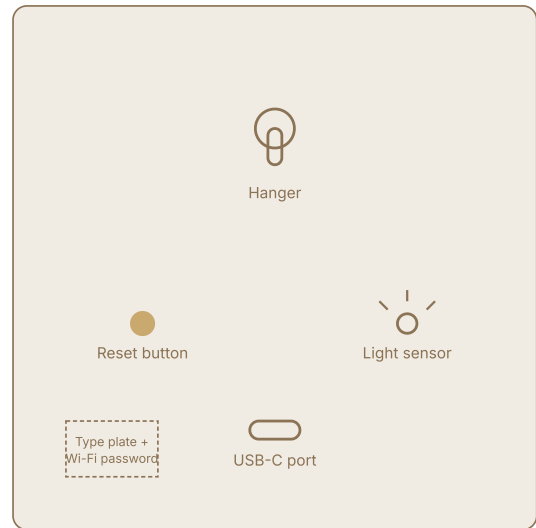
### INTENDED USE

Electronic word clock for displaying the time indoors (residential and commercial spaces), wall-mounted, in continuous operation from the supplied power adapter. Any other use is considered improper.

## 2 DEVICE AT A GLANCE



Front: word cloud with four minute dots in the corners  
(English example, 10:42)



Back: hanger, reset button, light sensor, USB-C, type plate

|                     |                                                                                               |
|---------------------|-----------------------------------------------------------------------------------------------|
| <b>Word cloud</b>   | Freely arranged words; the active time lights up in your chosen colour (default: gold).       |
| <b>Minute dots</b>  | Four corner dots show the minutes between the 5-minute steps (+1 to +4).                      |
| <b>Reset button</b> | Button on the back: hold for 10 seconds = factory reset (section 8).                          |
| <b>Light sensor</b> | Measures ambient light and adjusts brightness automatically — subtle at night, bright by day. |
| <b>Type plate</b>   | Serial number, conformity marks and your individual Wi-Fi setup password.                     |

## 3 GETTING STARTED

1

### MOUNT

Mount the clock to the wall following the enclosed **mounting instructions** (wall bracket, retaining screw and drilling template are included).

2

### PLUG IN

Connect the textile cable to the USB-C port on the back and to the supplied power adapter. The clock starts automatically — there is no on/off switch.

3

### DONE — OR CONNECT WI-FI

The clock shows the time straight away (accuracy is maintained by a built-in precision time base with a backup battery). For automatic time sync, daylight saving and all convenience features, we recommend the Wi-Fi setup on the next page.

## 4 CONNECTING TO WI-FI

Setup takes about two minutes and works with any smartphone, tablet or computer — no app required.



Connect → choose your home network → done: clock reachable at <http://telltime.local>

1

### CONNECT TO THE CLOCK

On your smartphone, open the Wi-Fi settings and select the network «**Telltime-XXXX**». The password is **unique to your device** and printed on the type plate on the back of the clock.

2

### CHOOSE YOUR HOME NETWORK

The setup page opens automatically (captive portal). If it doesn't: open your browser and go to any address. Select your home network, enter its password and tap **Save**.

3

### WAIT FOR CONFIRMATION

The page shows the connection status live. If the connection fails (e.g. a typo in the password), the setup network stays active and you can try again straight away.

4

### OPEN THE CLOCK ON YOUR NETWORK

From now on you can reach your clock's web interface on your home network at <http://telltime.local> — from any device on the same Wi-Fi.

#### SECURITY FROM THE FACTORY

Every Telltime has its own unique setup password — there are no default passwords. Firmware updates are only installed if they are cryptographically signed by Telltime. Your Wi-Fi credentials stay on the device only.

#### CHANGING WI-FI LATER

For security reasons the stored Wi-Fi cannot be changed remotely. To connect the clock to a new network, perform a **factory reset** (section 8) and set up Wi-Fi again.

## 5 HOW TO READ YOUR CLOCK

The word cloud shows the time in **5-minute steps** — the way you say it. The four **minute dots** in the corners count the minutes in between: each lit dot means **+1 minute**.



Reading example (English): word time plus minute dots

| DISPLAY                | MEANING                                                                     |
|------------------------|-----------------------------------------------------------------------------|
| Word time only         | Full 5-minute time, e.g. «it is half past eight» = 8:30                     |
| Word time + 1–4 dots   | One minute per dot, e.g. half past eight + 3 dots = 8:33                    |
| Phrase instead of time | A time phrase or scene is active (section 7) — the minute dots keep running |

## 6 WEB INTERFACE: COLOUR, BRIGHTNESS, TIME

Open <http://tellttime.local> in the browser of a device on the same Wi-Fi. There you can set:

| FEATURE             | DESCRIPTION                                                                                                                                                                                                                            |
|---------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Light colour</b> | Freely selectable; Telltime gold from the factory. Your choice applies to the time display.                                                                                                                                            |
| <b>Brightness</b>   | Automatic via the light sensor; can be capped if you wish. An intelligent power limiter protects the adapter and electronics in every situation.                                                                                       |
| <b>Time</b>         | With Wi-Fi, the clock synchronises automatically to atomic-clock accuracy (NTP) and switches summer/winter time for Switzerland/Central Europe by itself. Without Wi-Fi you can adopt the time from your smartphone with a single tap. |
| <b>Scenes</b>       | Manage time phrases and custom scenes (section 7).                                                                                                                                                                                     |

### TIME RESERVE

If the power fails or no Wi-Fi is available, the time keeps running internally on the backup battery (CR2032 coin cell, accuracy without sync approx. ±8 seconds per month). After reconnecting, the clock immediately shows the correct time again.

## 7 TIME PHRASES & CUSTOM SCENES

Your Telltime does more than tell time: at certain times of day it shows **phrases** like «time for a break» or «time to relax» — the moments we built Telltime for.

| TYPE                 | DESCRIPTION                                                                                                                              | ADJUSTABLE                                           |
|----------------------|------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------|
| <b>Time phrases</b>  | Predefined sentences (e.g. noon, midnight, break, relax, afternoon snack) — depending on the language of your front plate.               | On/off per phrase, time window, global phrase switch |
| <b>Custom scenes</b> | Sentences configured individually at purchase from your own words (e.g. «time for a beer»). All words of the sentence light up together. | On/off per scene, time window                        |

You manage all of this at <http://telltime.local> under **Scenes**: each phrase/scene has a switch and a time window (from-to; also across midnight, e.g. 22:00–06:00). When a phrase is active it replaces the word time — the minute dots still show the exact minute.

## 8 INTERCHANGEABLE FRONT, FACTORY RESET & UPDATES

### MAGNETIC INTERCHANGEABLE FRONT

The front plate is held on magnetically and can be swapped tool-free in seconds: grip the outer edges with both hands and pull it straight forward — fit a new front and the magnets centre it by themselves. Additional fronts (different wood or language) are available at [www.telltime.swiss](http://www.telltime.swiss).

### FACTORY RESET

- 1 With the clock plugged in, hold the **reset button** on the back for **10 seconds**.
- 2 The clock flashes **red three times** and restarts. Erased are: Wi-Fi credentials, personal settings and scene changes (phrases return to their factory state).
- 3 Your word layout and the setup password on the type plate are retained — you can set up Wi-Fi again straight away (section 4).

### FIRMWARE UPDATES

We deliver updates over the air. Every update is digitally signed by Telltime; the clock verifies the signature before installing anything and only activates new software after a complete, verified transfer. A power cut during the update therefore cannot damage the clock.

## 9 TROUBLESHOOTING

| PROBLEM                        | SOLUTION                                                                                                                                                                                   |
|--------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| No display                     | Check the adapter and USB-C plug; try another adapter (5 V, min. 3 A). Room very dark? The automatic dimming is strong — briefly switch on a light.                                        |
| «Telltime-XXXX» doesn't appear | The setup network is only active while no Wi-Fi is stored. To set up again, first perform a factory reset (section 8).                                                                     |
| telltime.local not reachable   | The device must be on the same Wi-Fi. Alternatively, open the clock's IP address from your router interface. Some older Android devices cannot resolve .local addresses — use the IP then. |
| Time is wrong                  | With Wi-Fi: check the router's internet connection. Without Wi-Fi: adopt the time from your smartphone in the web interface. After a battery change, set the time once.                    |
| Phrase doesn't appear          | Check under Scenes: is the global phrase switch on? Is the individual phrase enabled? Is the current time within the time window?                                                          |
| Clock dark after power cut     | Briefly unplug and plug back in. Settings and time are retained.                                                                                                                           |

Problem not solved? [info@telltime.swiss](mailto:info@telltime.swiss) — we'll help you personally.

## 10 TECHNICAL DATA

|                     |                                                                       |                    |                                                                                                                             |
|---------------------|-----------------------------------------------------------------------|--------------------|-----------------------------------------------------------------------------------------------------------------------------|
| <b>Dimensions</b>   | 380 × 380 × 30 mm                                                     | <b>Radio</b>       | Wi-Fi IEEE 802.11 b/g/n (2.4 GHz) and Bluetooth LE<br>Frequency band 2400–2483.5 MHz, max. transmit power ≤ 100 mW e.i.r.p. |
| <b>Weight</b>       | approx. 3.8 kg                                                        | <b>Time base</b>   | Precision real-time clock, backed up by CR2032 coin cell                                                                    |
| <b>Front</b>        | Oiled solid wood (walnut, oak or olive), magnetically interchangeable | <b>Accuracy</b>    | With Wi-Fi atomic-clock accurate (NTP), otherwise approx. ±8 s/month                                                        |
| <b>Display</b>      | LED word cloud, 1024 individually addressable RGB LEDs (32 × 32)      | <b>Environment</b> | Indoors, 0–35 °C, non-condensing                                                                                            |
| <b>Brightness</b>   | Automatic via ambient light sensor                                    | <b>Firmware</b>    | Signed over-the-air updates                                                                                                 |
| <b>Power supply</b> | USB-C, 5 V / 3 A, max. 15 W                                           | <b>Warranty</b>    | 24 months                                                                                                                   |

## 11 CONFORMITY, DISPOSAL & WARRANTY

### EU / CH CONFORMITY

Telltime GmbH hereby declares that the radio equipment type **GRAIN** complies with Directive **2014/53/EU (RED)** and with the relevant Swiss regulations (TCA/ONIR). The full text of the Declaration of Conformity is available at:

[www.telltime.swiss/downloads](http://www.telltime.swiss/downloads)

| STANDARD                | SCOPE                                                 |
|-------------------------|-------------------------------------------------------|
| EN 62368-1              | Safety (Art. 3.1a RED)                                |
| ETSI EN 301 489-1 / -17 | Electromagnetic compatibility (Art. 3.1b RED)         |
| ETSI EN 300 328         | Radio spectrum 2.4 GHz (Art. 3.2 RED)                 |
| EN 18031-1 / EN 18031-2 | Cybersecurity of connected devices (Art. 3.3 d/e RED) |

### DISPOSAL (WEEE)



This device does not belong in household waste. At the end of its life, hand it in at an official collection point for electrical devices (in Switzerland: free take-back in retail, SENS/Swico) or send it back to us — we take care of proper recycling and reuse components wherever possible.

### BATTERY

Have the built-in CR2032 (lithium) coin cell removed before disposing of the device, or hand it in separately at a battery collection point. Batteries never belong in household waste.

### WARRANTY

24 months' warranty from the date of purchase. Beyond that, we build our clocks to be repairable: even after the warranty expires, we repair your device on fair terms rather than replacing it. Excluded from warranty are damage from improper use, third-party tampering and normal wood ageing (patina).

### MANUFACTURER

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EU responsible person (Art. 4 Market Surveillance Reg. / GPSR): to be added before EU market entry — current details at [www.telltime.swiss/downloads](http://www.telltime.swiss/downloads).

### ONE LAST THOUGHT

Why count seconds when you can live moments? Thank you for letting Telltime tell your time.