



JUNGHANS

GERMANY. SINCE 1861

max bill

by junghans

JUNGHANS - DIE DEUTSCHE UHR

JUNGHANS – THE GERMAN WATCH

many congratulations on your purchase of a timepiece from junghans.

what began in 1861 with the founding of the firm in schramberg quickly developed into one of the most fascinating success stories of the german watchmaking industry. while since that time the demands made of watches may have changed, the junghans philosophy has always remained the same. innovative flair and the constant pursuit of precision right down to the smallest detail define how the company works and thinks. you can see and sense this in every watch that carries the junghans name. for as diverse as the junghans range may be, it pursues one single goal: to combine traditional craftsmanship with cutting-edge watch technology and exciting design. that makes every watch with the junghans star unique.

we hope you will enjoy this very special timekeeping instrument.

yours,

Uhrenfabrik Junghans GmbH & Co. KG

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max bill – architect of time

max bill was one of the most unusual artists of our age. a true universal genius, he worked as an architect, painter, sculptor and product designer, leaving behind an extensive body of work. this includes one of the most fascinating timepiece series made, still produced in almost unchanged form today: the wall clocks and wristwatches that he developed for junghans. as a bauhaus student of walter gropius, he intuitively understood how to apply the pursuit of constructive clarity and precise proportions to his work.

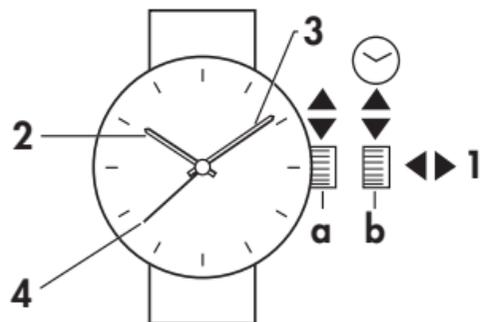
A. general information for all our max bill watches

important note: do not make any changes to the date between 8pm and 2am, as the date is automatically advanced by the movement during this period and you could damage the date advance mechanism.

to ensure that your watch functions correctly for many years, do not expose it to extreme temperatures or violent shocks. your watch is not water resistant, so you should keep it dry. servicing tasks or wrist strap repairs should be done by your junghans specialist. your watch is fitted with a quality wrist strap that has undergone multiple inspections in our factory. if, however, you decide to change the strap, please fit a new one of the same quality, preferably an original junghans wrist strap. watch and wrist strap can be cleaned with a dry or slightly moistened cloth. attention: do not use chemical cleaners (e.g. benzine or paint thinners), these may harm the surface. we recommend that you have your watch regularly inspected by your junghans specialist.

B. instructions for use

1. hand-winding calibre j805.1



1.1. winding up your watch

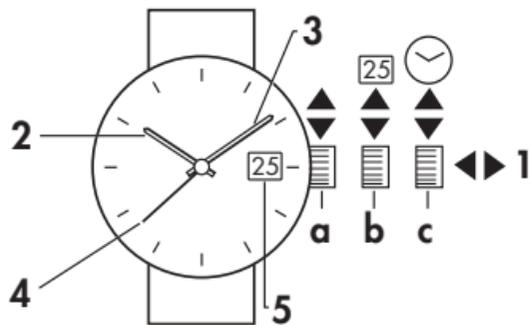
with the winder in position a, you can wind up the mechanical movement manually. the watch will be fully wound after c. 30 turns of the winder. fully winding your watch guarantees maximum precision and reserves of power.

caution: do not forcibly overwind your watch, as this could damage the movement.

1.2. setting the time

pull out carefully the crown 1 (pos. b). you can then move the minute and hour hands. push the crown 1 back in so that it clicks into its normal position (pos. a).

2. automatic calibre j800.1



2.1. winding up the watch

with the winder in position a, you can wind up the automatic movement manually. at least 2 to 3 rotations of the winder are needed to start the movement. it is better to wind it up completely. it is fully wound up after c. 30 rotations of the winder, as then the maximum accuracy and its power reserve (even after the watch is put down) will last for the maximum period. after you have set your watch, you should wear it, so that the automatic winding system (via rotor movement) keeps it constantly operational.

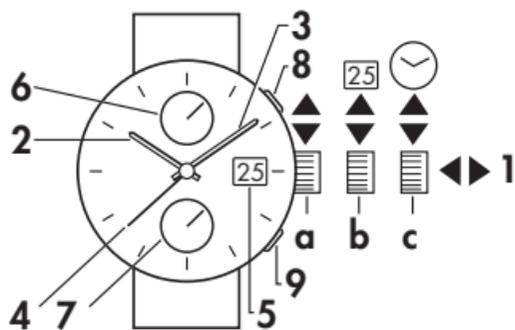
2.2. setting the time

pull the winder into position c. that stops the watch movement. to set your watch accurately to the second, it is best to stop the movement as the second hand is passing the figure 60. you can now position the minute hand precisely in line with the relevant minute marker and set the desired time. press the winder back into position a to start the second hand.

2.3. setting the date (varies by model)

pull the winder into position b. you can now set the date by turning it to the right. **do not make any changes to the date between 8pm and 2am, as the date is automatically advanced by the movement during this period and you could damage the date advance mechanism.** if the month has less than 31 days, set the date manually to the first day of the following month.

3. chronoscope automatic calibre j880.2



- 1 = crown
- 2 = hour hand
- 3 = minute hand
- 4 = second counter
- 5 = date display
- 6 = minute counter
- 7 = hour counter
- 8 = start-stop button
- 9 = reset button

3.1. winding up the watch

with the winder in position a, you can wind up the automatic movement manually. just 2 or 3 turns are sufficient to start the movement going. it is better to wind it up completely. it is fully wound up after c. 40 rotations of the winder, as then the maximum accuracy and its power reserve (even after the watch is put down) will last for the maximum period. if your model has a screw-locked winder, this must be unscrewed by turning it to the left to start your watch going. after you have set your watch, you should wear it, so that the automatic winding system (via rotor movement) keeps it constantly operational.

3.2. setting the time

pull the winder into position c. that stops the watch movement. to set your watch accurately to the second, it is best to stop the movement as the second hand is passing the figure 60. you can now position the minute hand precisely in line with the relevant minute marker and set the desired time. press the winder back into position a to start the second hand.

3.3. setting the date

pull the winder into position b. you can now set the date by turning it to the right. **do not make any changes to the date between 8pm and 2am, as the date is automatically advanced by the movement during this period and you could damage the date advance mechanism.** if the month has less than 31 days, set the date manually to the first day of the following month.

3.4. using the chronoscope

starting time measurement

you start the chronoscope by pressing the start-stop button 8.

stopping time measurement

you stop the chronoscope by pressing the start-stop button 8 again.

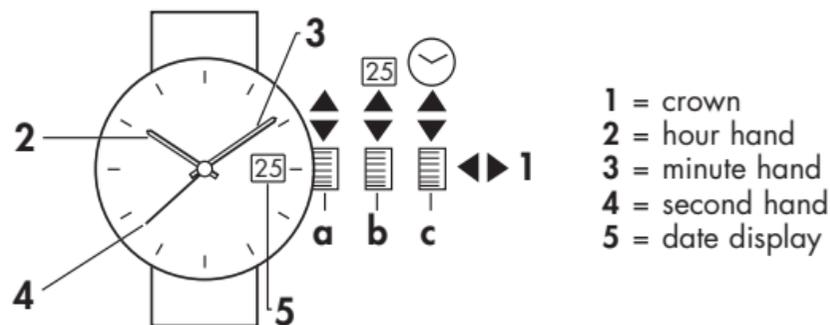
reset

press the reset button 9. this returns all three of the stopwatch hands to their starting position.

adding measured times

after measuring the first time, you can add times together by pressing the start-stop button again instead of the reset button. the chronoscope hands will then continue running from the stopped position.

4. quartz calibre j643.29/j645.33



4.1. setting the time

pull the winder into position c. that stops the watch movement. to set your watch accurately to the second, it is best to stop the movement as the second hand is passing the figure 60. you can now position the minute hand precisely in line with the relevant minute marker and set the desired time. press the winder back into position a to start the second hand.

4.2. setting the date

pull the winder into position b. you can now set the date by turning it to the right.

if the month has less than 31 days, set the date manually to the first day of the following month.

4.3. ready for use

to ensure that your junghans watch is always ready for use, you should avoid allowing its power reserves to run down. the watch regularly checks to see if it still has sufficient battery power. if it no longer has enough (e.g. because the battery has run out or the ambient temperature is too low, which impairs battery performance), the second hand stops for 4 seconds and then quickly catches these 4 steps up. if the battery does not recover (e.g. through the ambient temperature getting better), you should take your watch to your authorised specialist dealer to have the battery changed. alternatively, send it to the junghans service centre.

please ensure that the battery is disposed of properly in accordance with statutory regulations.

4.4. declaration of conformity

Uhrenfabrik Junghans GmbH & Co. KG herewith declares that this product conforms to the principle requirements and other relevant stipulations of directive 1999/5/ec.

a corresponding declaration of conformity can be requested from info@junghans.de.

C. specifications

calibre j805.1

- hand-winding mechanical movement
- 17 jewels
- 28,800 semi-vibrations per hour
- power reserve up to 42 hours when fully wound
- shockproof: incabloc
- spring: nivarox
- balance: gold plated nickel

calibre j800.1

- automatic movement
- bi-directional winding
- 25 jewels
- 28,800 semi-vibrations per hour
- power reserve up to 38 hours
- shockproof: incabloc
- spring: nivarox
- balance: gold plated nickel

calibre j880.2

- automatic movement with chronoscope mechanism
- automatic winding mechanism
- 25 jewels
- 28,800 semi-vibrations per hour
- power reserve up to 42 hours
- shockproof: incabloc
- spring: nivarox II
- balance: gold plated nickel

calibre j643.29/j645.33

- quartz movement
- 7 jewels
- frequency 32'768 Hz
- average life of battery up to 43 months