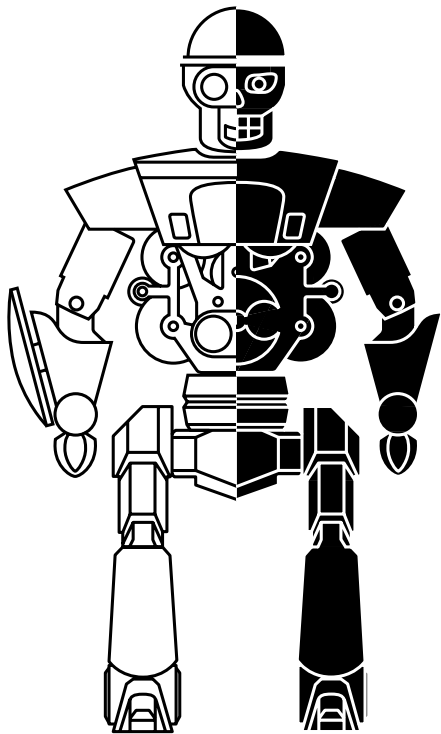


BALTHAZAR

USER INSTRUCTIONS



MB&F + *L'EPEE 1839*

CONGRATULATIONS

You have just acquired one of the most advanced timepieces born from a partnership between

La Manufacture L'Épée 1839 and *MB&F*.

Balthazar has been developed with passion and care by the Master Watchmakers of L'Épée 1839 in Delémont - Switzerland.

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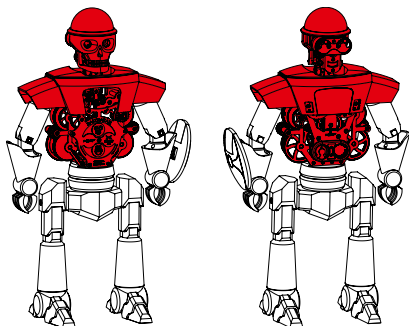
IMPORTANT INFORMATION

Please be very careful to never touch the movement of Balthazar either on the front or on the back of the movement, except the time adjustment and the winding tips that can be touched with the winding key. It is important to never hold Balthazar by the shoulders or the arms. Always hold him by the legs.

Furthermore, the movement should never be in contact with any liquids – even in vaporized form. If this occurs, the clock should be serviced immediately.

A simple contact on certain pieces can generate delays in timekeeping, which can only be solved by servicing. Fingerprints will also damage the coating so always wear gloves when manipulating the clock or wipe out the fingerprint.

On the following pictures, the only parts which can be cleaned and touched are those outside of the zone colored in red; in case of intrusions, a service will be needed.



CARE AND MAINTENANCE

Use only a soft and dry cloth to clean the clock. Dust and particles contained in the cloth could scratch parts. Do not use any kind of cleaning products to wipe the clock. It is recommended to keep the clock distant from any source of heat or vibrations. To preserve the longevity and functionality of Balthazar, do not permanently expose the clock to direct sunlight or in a humid or dusty place.

Our clocks are developed to ensure optimal accuracy and reliability. It is well accepted for a fine mechanical clock to have a few seconds' variation per day and our clocks are set so as not to delay. However if you should notice a bigger variation, please contact an authorized dealer who will advise you, or a L'Épée 1839 technical support center which will proceed with the necessary adjustment.

As for all Horological pieces of art, it is recommended to periodically service your clock. A mechanical masterpiece requires fine oils for the lubrication of the movement. These oils deteriorate over the years. We therefore advise having the movement serviced every 5 years. Be aware that the optimal period between servicing times can vary depending on the surrounding environmental conditions.

A KINETIC SCULPTURE

Hips: Balthazar rotates 360° in both directions – with a notch at 180°

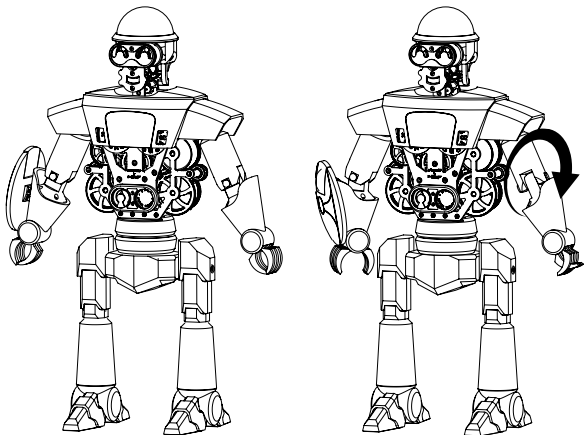
Arms: rotate 360° in both directions

Elbows: bend forwards – be careful not to hit the biceps with the back of the forearm

Lower arms: rotate 360°

Fingers: on each hand, two fingers cross onto the other three so that the hands can clasp a small object

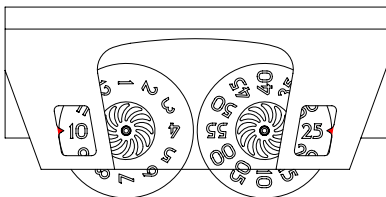
Be careful when rotating Balthazar by the hips: make sure the arms do not strike and scratch other parts of Balthazar's body.



HOURS AND MINUTES DISPLAY

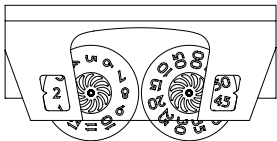
Reading the time

The hours and minutes are indicated by the arrows of the armour, pointing on the hour and minute dials.

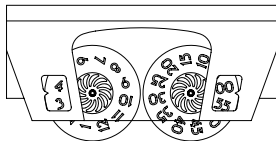


Special rotation of the hour dial

A special mechanism has been developed for Balthazar. The hour dial stays on the same position during the first 55 minutes of an hour; then the dial starts to turn slowly and regularly (no jump) during the last 5 minutes of the hour; to finally stop exactly at the beginning of the next hour. This process is repeated every hour.



*In this example it is forty-seven minutes past two (2h47).
The hour dial has **not** moved.*



*In this example it is fifty-eight minutes past three (3h58).
The hour dial has started to move.*

THE WINDING KEY

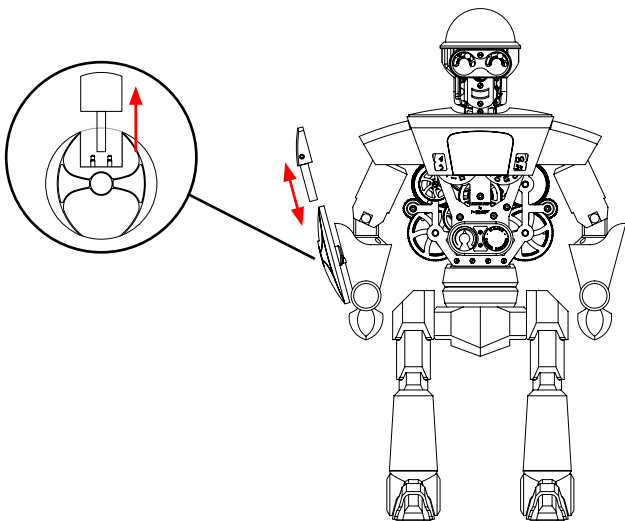
The double-depth square socket key is hidden in Balthazar's shield.

To remove the key, place Balthazar upright on a flat surface and pull the key straight out from its shield.

Be careful to hold its arm down to ensure that Balthazar does not tip over or fall.

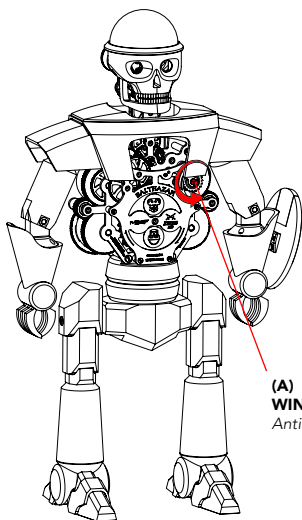
To put the key back into the shield, insert the key straight into the dedicated slot, until the key is completely inside.

You will hear a "click" once it is secured.



WINDING THE MOVEMENT

Place the clock upright on a flat surface and insert the key in Point A. Wind the movement with anti-clockwise rotations. The movement's five barrels should be fully wound every month. During the process, you will see the movement's wheels moving, allowing all five barrels to be wound up as they are coupled. Be sure to wind up the springs completely. Resistance will increase as you approach the full winding point, but continue to wind Balthazar until you feel you have approached the breaking point (sign that the movement is fully wound). However, be very careful to stop before and do not force the mechanism by trying to go further than the breaking point.

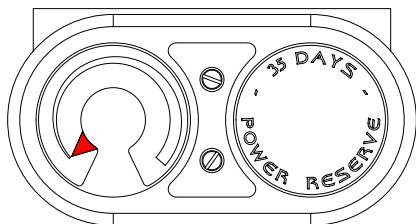


(A)
WINDING THE MOVEMENT
Anti-clockwise only

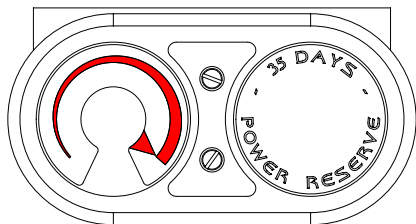
THE POWER RESERVE INDICATOR

The dial on the left provides an intuitive view of the energy remaining in the movement. It turns 260° anti-clockwise acting as a gauge.

Fully wound, the marker rotates towards the right of the gauge. During the next 35 days, the power reserve indicator will progressively rotate anti-clockwise to finally end on the left of the gauge. This indicates that the clock needs to be wound again.



Empty power reserve

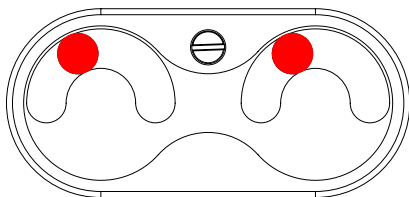


Fully wound 35-days power reserve

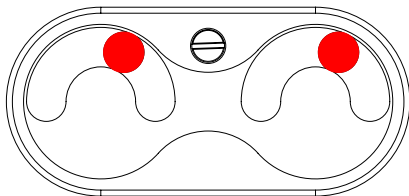
THE DOUBLE RETROGRADE SECONDS

The double retrograde seconds (red circles) symbolizing two eyes, move gradually from left to right on a cycle of 20 seconds, and then flyback to their initial position.

Please make sure that nothing touches the retrograde seconds function.



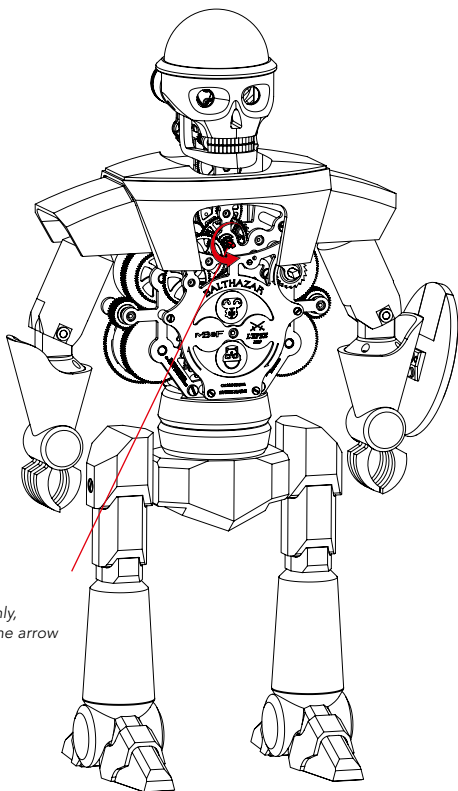
Initial position



Position after 20 seconds

SETTING THE TIME

Place the clock upright on a flat surface. Insert the key in Point B on the diagram. Turn the key anti-clockwise only in order to set the time.



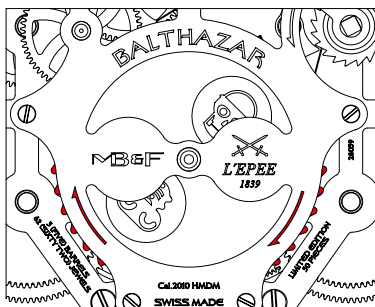
(B)

TIME SETTING

*Anti-clockwise only,
as indicated by the arrow
on the plate*

THE MOON PHASE

To set the moon phase, turn the toothed wheel clockwise only. Like all mechanical clocks, you may encounter some blockage for the fine-tuning; in this case do not force the wheel. The wheel should move easily, so if you feel resistance – even minor – move the time forward two hours and then set the moon phase. The blockage should disappear.



The moon phase is indicated by two engraved discs on the “bad side” of Balthazar, one with a smile, one with a skull.

L'Épée Manufacture

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