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› UniTak3D Makerworld MH011 3D Printed Clock Components Instruction Manual

UniTak3D MH011

UniTak3D Makerworld MH011 3D Printed Clock Components Instruction Manual

1. INTRODUCTION AND OVERVIEW

This manual provides instructions for the UniTak3D Makerworld MH011 3D Printed Clock Components kit. This kit includes the essential non-3D printed parts required to assemble a functional clock, allowing users to create custom clock designs using a 3D printer.

Important Note: This kit contains only the clock movement mechanism and clock hands. The 3D printed clock case and face are **NOT** included and must be printed separately. Model files for compatible clock designs can be downloaded from the Makerworld website.

This product is compatible with Bambu Lab P1P, P1S, A1, X1, X1C, and X1E 3D printers.



Image 1.1: UniTak3D Makerworld MH011 kit packaging and an example of an assembled 3D printed clock.

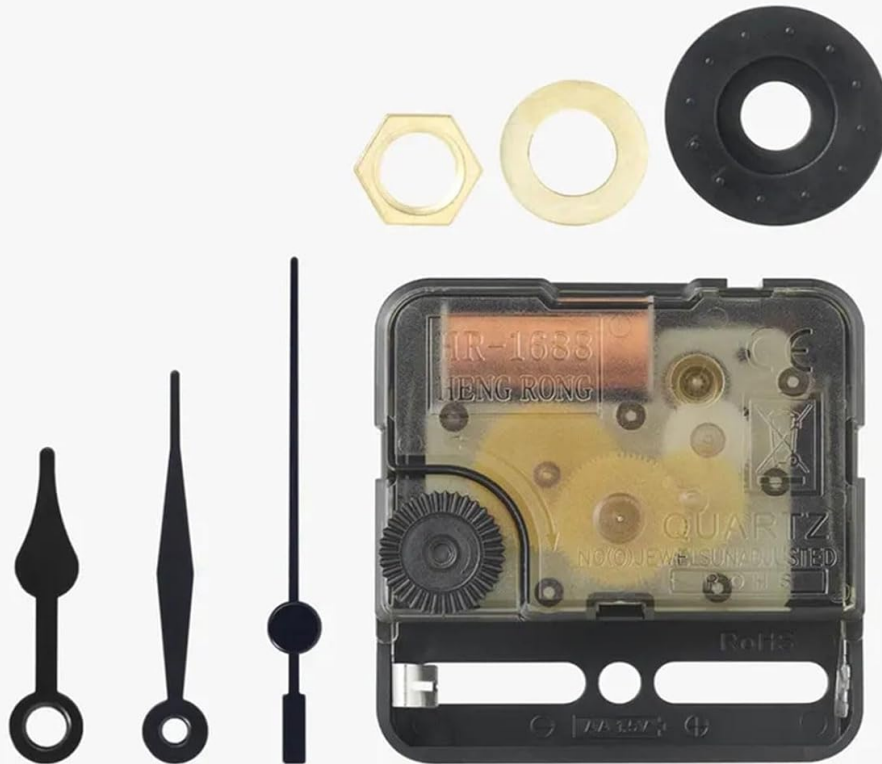
2. SETUP AND ASSEMBLY

2.1 Package Contents

Verify that all components are present in your kit:

- 1 x Electronic clock movement (without battery)
- 3 x Metal pointers (optional, hour, minute, second hands)
- 1 x Rubber washer (for assembling other clock models)
- 1 x Metal washer (for assembling other clock models)
- 1 x Hexagonal nut

Package List



| Name of the Accessories | Quantity |
|--|----------|
| Electronic clock movement (without battery) | 1 |
| Metal pointer (optional) | 3 |
| Rubber washers (for assembling other clock models) | 1 |
| Metal washers (for assembling other clock models) | 1 |
| Hexagonal nuts | 1 |

Image 2.1: Detailed view of the package contents.

2.2 Required Items (Not Included)

- **3D Printed Clock Case and Face:** Download model files from Makerworld. Search for "Clock Components 011" or similar designs compatible with this movement.
- **1 x AA Battery:** Required to power the clock movement. (Note: Some images may incorrectly indicate AAA battery; please use AA as specified in product features).

NOTE

Please note that this clock model component does **not include a battery**. Please bring one AAA battery (PRC) to provide power for the clock model.



Note : Not include a battery

Image 2.2: The clock movement, highlighting the battery compartment. A battery is not included with the kit.

2.3 Assembly Procedure

Follow these steps to assemble your 3D printed clock:

1. **Prepare 3D Printed Parts:** Ensure your clock case and face are fully printed and cleaned.
2. **Insert Movement:** Place the clock movement into the designated slot in your 3D printed clock case. Secure it with the hexagonal nut and washers if necessary, ensuring the shaft protrudes correctly through the clock face opening.
3. **Attach Clock Hands:** Carefully attach the hour, minute, and second hands onto the movement shaft. Ensure they are aligned at the 12 o'clock position and do not touch each other or the clock face. The order is typically hour hand first, then minute hand, then second hand.
4. **Install Battery:** Insert one AA battery into the battery compartment of the clock movement.
5. **Set Time:** Use the small dial on the back of the clock movement to set the correct time.

Super-easy Assembly Procedure

Follow the super-easy assembly procedure to get the clock to work in only a few minutes.



Image 2.3: Step-by-step visual guide for assembling the clock components.

3. OPERATING INSTRUCTIONS

3.1 Powering On

Once the AA battery is correctly installed, the clock movement will begin to operate, and the second hand (if installed) will start moving.

3.2 Setting the Time

To set the time, locate the small adjustment wheel on the back of the clock movement. Rotate this wheel in either direction until the clock hands display the desired time.

4. MAINTENANCE

4.1 Battery Replacement

When the clock stops or begins to lose time, it is an indication that the battery needs replacement. Open the battery compartment, remove the old AA battery, and insert a new one, ensuring correct polarity (+/-).

4.2 Cleaning

To clean the clock movement, gently wipe it with a dry, soft cloth. Avoid using liquids or abrasive cleaners, as these can damage the internal components. For the 3D printed parts, follow the cleaning recommendations for your specific filament material.

5. TROUBLESHOOTING

- **Clock Not Running:**
Ensure the AA battery is new and inserted with correct polarity. Check that the clock hands are not bent or obstructed, preventing movement.
- **Time Inaccuracy:**
Replace the battery with a fresh one. If the issue persists, ensure the clock hands are securely attached and not slipping on the shaft.
- **Hands Not Moving Smoothly:**
Verify that the clock hands are properly installed and do not rub against each other or the clock face. Re-seat the hands if necessary.

6. SPECIFICATIONS

| Project | Data |
|----------------|-------------------------------|
| Package Size | 100 x 70 x 40 mm ³ |
| Package Weight | 60g |
| Power Supply | 1 x AA Battery (not included) |
| Color | Black |
| Model Number | MH011 (UniP001) |

Product Specifications

| Project | Data |
|----------------|---------------------------|
| Package Size | 100*70*40 mm ³ |
| Package Weight | 60g |
| Power Supply | AAA battery (PRC) |
| Color | Black |

Image 6.1: Product specifications table.

7. WARRANTY INFORMATION

UniTak3D products are covered by a manufacturer's warranty. For specific details regarding the warranty period and terms for your MH011 clock components, please refer to the product packaging or visit the official UniTak3D website. Keep your purchase receipt as proof of purchase.

8. CUSTOMER SUPPORT

If you encounter any issues or have questions regarding your UniTak3D Makerworld MH011 3D Printed Clock Components, please contact UniTak3D customer service. Contact information can typically be found on the product packaging or the official UniTak3D website.

