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## HAPTIME Electric Drill Creativity Set

# HAPTIME STEM Design and Drill Toy Instruction Manual

**Brand:** HAPTIME | **Model:** Electric Drill Creativity Set

## INTRODUCTION

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The HAPTIME STEM Design and Drill Toy is an engaging and educational building set designed to foster creativity, imagination, and STEM skills in children aged 3 to 8. With 237 pieces, including an electric drill, manual tools, and various colorful components, children can construct a wide array of 2D and 3D designs. This manual provides essential information for setting up, operating, maintaining, and troubleshooting your new toy, ensuring a safe and enjoyable play experience.

## SETUP

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### 1. Unpacking Components

Carefully open the packaging and remove all components. Verify that all 237 pieces are present, including the electric drill, manual screwdriver, wrench, various nuts, bolts, and colorful building plates. The main carrying case also serves as the building surface.



Image: The complete HAPTIME STEM Design and Drill Toy set, showcasing the electric drill, manual tools, and various colorful building pieces.

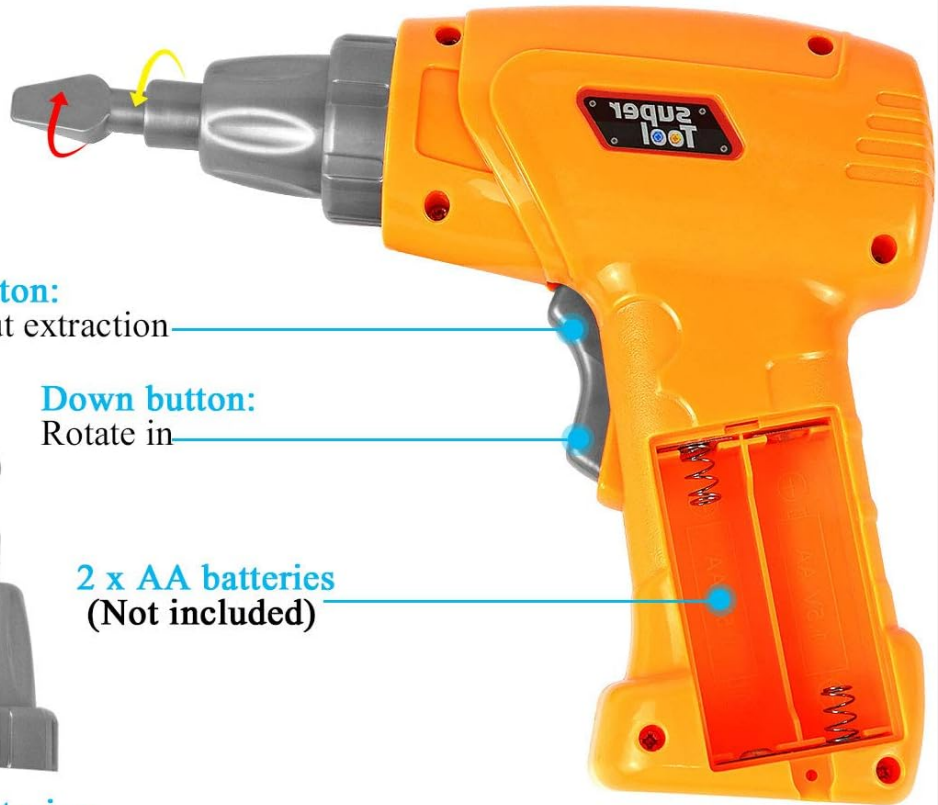


Image: A detailed diagram illustrating the quantity and types of all 237 pieces included in the set, along with the dimensions of the carrying case.

## 2. Electric Drill Battery Installation

The electric drill requires 2 AA batteries (not included). To install:

1. Locate the battery compartment on the handle of the electric drill.
2. Using a small screwdriver (not included), unscrew the battery compartment cover.
3. Insert 2 AA batteries, ensuring correct polarity (+/-) as indicated inside the compartment.
4. Replace the cover and secure it with the screw.



**Upper button:**  
Reverse out extraction

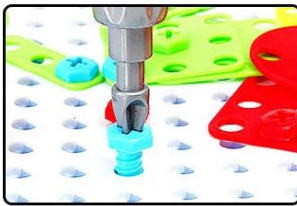
**Down button:**  
Rotate in

**2 x AA batteries**  
(Not included)

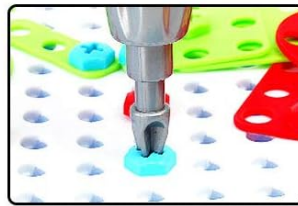


**Two-way turing**

①



②



③



**Drill rotation speed is slow and steady. No hurt to kids!**

Image: A close-up view of the electric drill, highlighting the battery compartment, the forward/reverse buttons, and the interchangeable drill bit.

## OPERATING INSTRUCTIONS

### 1. Using the Electric Drill

The electric drill is designed for easy use by small hands. It features a reversible function for both screwing in and unscrewing the bolts.

- **To Screw In:** Press the 'Down' button (typically the lower button on the handle) to rotate the drill bit clockwise, securing the bolts into the pegboard.
- **To Unscrew:** Press the 'Upper' button (typically the upper button on the handle) to rotate the drill bit counter-clockwise, removing the bolts from the pegboard.

The drill's rotation speed is slow and steady, ensuring safety during play.

### 2. Using Manual Tools

The set includes a manual screwdriver and a wrench for alternative ways to interact with the bolts and nuts, promoting fine motor skills and hand-eye coordination.

- **Manual Screwdriver:** Use the manual screwdriver to twist the bolts into or out of the pegboard holes.
- **Wrench:** The wrench can be used to tighten or loosen the larger nuts and bolts, providing a different tactile experience.

### 3. Creating Designs

The main carrying case features a pegboard surface where all the building pieces can be attached. Children can follow the included instruction booklet with 43 patterns or create their own unique 2D and 3D designs.

- **2D Designs:** Attach the colorful plates and bolts directly onto the flat pegboard surface to create flat images and patterns.
- **3D Designs:** Use the various connectors and plates to build upwards, creating three-dimensional structures like animals, vehicles, or abstract shapes.



Image: A child actively engaged in building a design on the pegboard using the electric drill and various colorful components.

# DIY

## Endless Fun



Image: Visual examples demonstrating the versatility of the toy, showing both flat (2D) and (3D) creations that can be assembled.

## MAINTENANCE

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### 1. Cleaning

To clean the toy components, wipe them gently with a damp cloth. Avoid submerging the electric drill in water. Do not use harsh chemicals or abrasive cleaners, as these may damage the plastic.

### 2. Storage

The portable carrying case is designed for convenient storage of all 237 pieces. After each play session, ensure all components are placed back into the case to prevent loss and maintain organization. This also helps keep the play area tidy.

## Portable

Easy to carry it everywhere



Cluttered



Easy storage



NO Mess



All pieces in the container

Image: A child demonstrating the portability of the carrying case, highlighting its ease of transport and efficient storage for all toy pieces.

## TROUBLESHOOTING

### Electric Drill Not Working

- **Check Batteries:** Ensure fresh AA batteries are correctly installed with proper polarity.
- **Bit Insertion:** Verify that the drill bit is securely inserted into the drill's chuck.

### Pieces Not Fitting or Difficult to Screw In

- **Alignment:** Ensure the bolt is perfectly aligned with the pegboard hole before attempting to screw it in.
- **Avoid Forcing:** Do not force pieces. The design allows for smooth operation when correctly aligned.

### Missing Pieces

If any pieces are missing upon opening the set, please contact HAPTIME customer support for assistance.

## SPECIFICATIONS

Feature	Detail
Product Name	STEM Design and Drill Toy
Model	Electric Drill Creativity Set
Brand	HAPTIME
Number of Pieces	237
Recommended Age	36 months - 9 years
Electric Drill Power	2 x AA Batteries (not included)
Material	Food Grade ABS Plastic
Package Dimensions	12.32 x 9.76 x 2.64 inches
Item Weight	2.05 pounds
Country of Origin	China

## SAFETY INFORMATION

- **CHOKING HAZARD - Small Parts. Not for children under 3 years.**
- This building set is made of non-toxic, BPA-free, tasteless food-grade ABS plastic material.
- All corners of the pieces are rounded to ensure safe play.
- The electric drill's rotation speed is intentionally slow and steady to prevent injury.
- Adult supervision is recommended, especially for younger children, to ensure proper use and safety.

## WARRANTY AND SUPPORT

For any questions, concerns, or support regarding your HAPTIME STEM Design and Drill Toy, please contact HAPTIME customer service. Refer to the product packaging or the retailer's website for specific contact information and warranty details.

