

[Manuals.plus](#) /

› [K'NEX](#) /

› K'NEX Power & Play Motorized Set Instruction Manual

K'NEX 23012

K'NEX Power & Play Motorized Set Instruction Manual

Model: 23012 | Brand: K'NEX

INTRODUCTION

The K'NEX Imagine Power & Play Motorized Building Set allows you to bring your creations to life with a motor and over 525 classic scale K'NEX rods and connectors. This set provides the components to build 50 different models, with half of them featuring motorized movement. The models vary in complexity, catering to builders of all skill levels. This manual provides essential information for assembly, operation, and care of your K'NEX set.



Figure 1: K'NEX Power & Play Motorized Set packaging and example models.

IMPORTANT SAFETY INFORMATION

Please read and understand all safety warnings before using this product.

- **CHOKING HAZARD:** Small parts. Not for children under 3 years.
- Adult supervision is recommended, especially during initial assembly and motorized operation.
- Keep batteries out of reach of small children.
- Do not mix old and new batteries. Do not mix alkaline, standard (carbon-zinc), or rechargeable (nickel-cadmium) batteries.
- Ensure the motor is switched off when not in use or when changing batteries.

WHAT'S INCLUDED

Your K'NEX Power & Play Motorized Set includes the following components:

- 529 Assorted K'NEX Pieces (rods, connectors, wheels, gears, etc.)

- 1 Motor (requires 2 "AA" batteries, not included)
- 1 Instruction Booklet (with step-by-step color-coded instructions for 50 models)



Figure 2: Assortment of K'NEX pieces included in the set.

SETUP AND INITIAL ASSEMBLY

1. Battery Installation for Motor

1. Locate the battery compartment on the motor unit.
2. Using a small Phillips head screwdriver (not included), unscrew the battery compartment cover.
3. Insert 2 "AA" batteries (not included) into the compartment, ensuring correct polarity (+/-).
4. Replace the battery compartment cover and secure it with the screw.
5. Test the motor by sliding the ON/OFF switch. The motor should operate smoothly.

2. Getting Started with Building

- Refer to the included Instruction Booklet for step-by-step, color-coded building guides.

- Begin with simpler models to familiarize yourself with the K'NEX system of rods and connectors.
- Ensure pieces "click" securely into place for stable constructions.



Figure 3: Assembling a K'NEX model following instructions.

OPERATING YOUR K'NEX MOTORIZED MODELS

Once a motorized model is built according to the instructions, follow these steps to operate it:

1. Ensure the motor is securely attached to the K'NEX structure as indicated in the model's instructions.
2. Verify that all gears and moving parts are aligned and can rotate freely without obstruction.
3. Slide the ON/OFF switch on the motor to the "ON" position. The motor should begin to turn, activating the moving parts of your model.
4. To stop the movement, slide the ON/OFF switch to the "OFF" position.

The set allows for the creation of various motorized models, such as a rescue chopper, carousel, and more. Experiment with different designs to see how the motor can bring them to life.

MOTORIZED **MOVEMENT**



Figure 4: A motorized K'NEX Ferris wheel in operation.



Figure 5: Building a K'NEX helicopter, an example of a motorized model.

CARE AND MAINTENANCE

- **Cleaning:** K'NEX pieces can be cleaned with a damp cloth and mild soap if necessary. Do not submerge the motor unit in water.
- **Storage:** When not in use, store all K'NEX pieces and the motor in the reusable storage container provided to prevent loss and damage.
- **Battery Care:** Remove batteries from the motor if the set will not be used for an extended period to prevent battery leakage.
- **Inspection:** Periodically inspect all pieces for wear or damage. Discard any broken or cracked pieces to ensure safe play.

TROUBLESHOOTING

Problem	Possible Cause	Solution
---------	----------------	----------

Problem	Possible Cause	Solution
Motor not working.	Batteries are dead or incorrectly installed.	Replace batteries with new "AA" batteries, ensuring correct polarity.
Motor is working but model is not moving.	Gears are not properly engaged or there is an obstruction.	Check all connections and ensure gears are meshing correctly. Remove any obstructions.
Pieces do not stay connected.	Pieces are not fully "clicked" together or are worn.	Press pieces firmly until they click. Replace any excessively worn pieces.

PRODUCT SPECIFICATIONS

- **Model Number:** 23012
- **Number of Pieces:** 529
- **Recommended Age:** 7 years and up
- **Motor Power:** 2 "AA" batteries (not included)
- **Product Dimensions:** 18.5 x 4 x 14 inches
- **Item Weight:** 3 pounds
- **Manufacturer:** K'NEX
- **Release Date:** April 7, 2017

SUPPORT AND FURTHER INFORMATION

For more detailed instructions, additional model ideas, or support, please refer to the official K'NEX resources:

- **Official User Manual (PDF):** [Download PDF Manual](#)
- Visit the K'NEX website for more products and building tips.

© 2024 K'NEX. All rights reserved.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page’s manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question