

Huanyu 5b82d7fe-bf70-4cc0-a0da-746f81400776

Huanyu Cordless Hot Knife Instruction Manual

Model: 5b82d7fe-bf70-4cc0-a0da-746f81400776

1. IMPORTANT SAFETY INSTRUCTIONS

Read all safety warnings and instructions before operating this tool. Failure to follow the warnings and instructions may result in electric shock, fire, and/or serious injury.

- **High Temperature Hazard:** The blade reaches temperatures up to 500°C (932°F). Avoid direct contact with the blade. Allow the tool to cool completely before changing blades or storing.
- **Ventilation:** Operate the hot knife in a well-ventilated area. Cutting certain materials like plastics or foams may produce fumes that can be harmful if inhaled.
- **Fire Hazard:** Keep flammable materials away from the hot blade. Do not use near combustible liquids, gases, or dust.
- **Blade Handling:** Always use caution when handling blades. They are sharp even when cold. Ensure blades are securely installed before use.
- **Battery Safety:** Use only specified batteries and chargers. Do not expose batteries to high temperatures or direct sunlight. Do not short-circuit battery terminals.
- **Personal Protective Equipment:** Wear appropriate safety glasses and gloves during operation.
- **Children and Pets:** Keep the tool out of reach of children and pets.

2. PRODUCT OVERVIEW

The Huanyu Cordless Hot Knife is a versatile cutting tool designed for various materials, featuring precise temperature control and a portable design.



Figure 2.1: Huanyu Cordless Hot Knife with key components labeled, including the Nickel-Chromium Alloy Blade, Blade Holder, ON/OFF switch, Ergonomic Handle, Battery Pack, Air Cooling System, Temperature Display, and Temperature Control Knob.

Key Features:

- **Digital Temperature Control:** Features a digital display for precise temperature adjustment up to 500°C (932°F) in 50°C increments.
- **Air Cooling System:** Integrated system helps cool internal electronic components, ensuring tool longevity.
- **Interchangeable Blades:** Comes with a set of four specialized blades for diverse cutting tasks.
- **Cordless Operation:** Powered by 2 x 3.0Ah Li-ion batteries for portability and convenience.
- **Ergonomic Design:** Compact and easy to handle for extended use.

3. SETUP

3.1 Blade Installation

1. **Loosen Screws:** Using the provided wrench, unscrew the four screws on the blade holder.
2. **Insert Blade:** Carefully insert the desired blade into the blade holder. Ensure it is seated correctly.
3. **Tighten Screws:** Securely tighten the four screws to hold the blade in place. Do not overtighten.

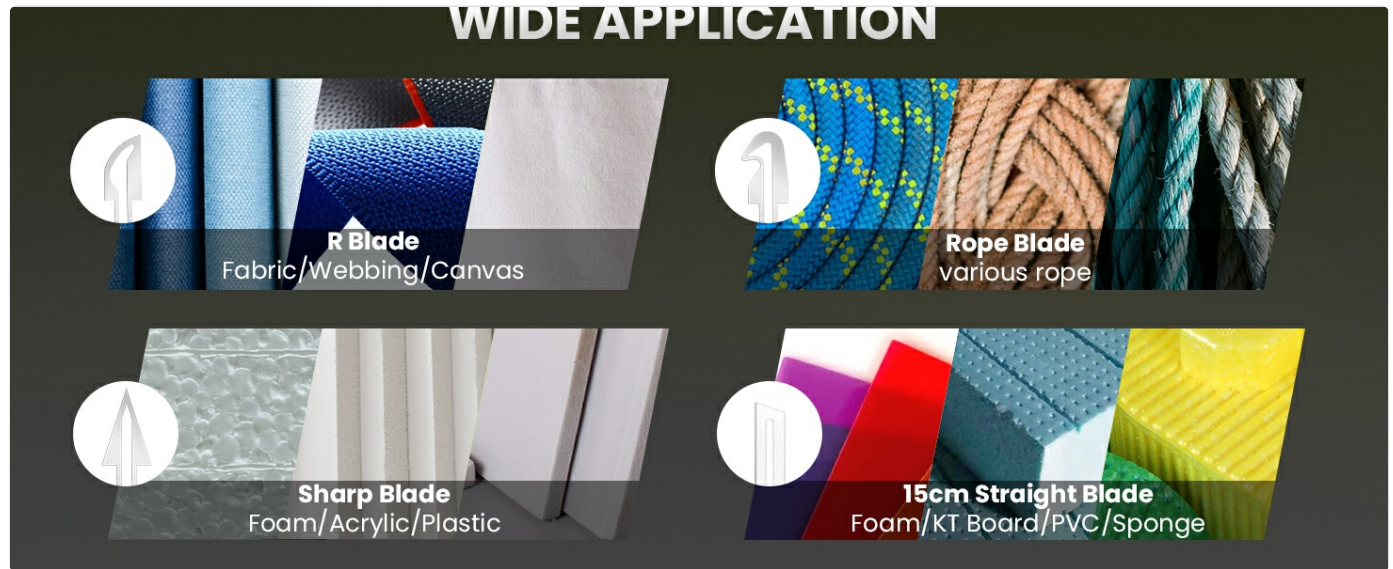


Figure 3.1: Visual guide for installing the hot knife blade. Step 1: Unscrew the four screws. Step 2: Insert the blade into the holder. Step 3: Tighten the four screws. Step 4: Set proper temperature to work.

3.2 Battery Installation and Charging

- **Install Battery:** Slide a charged 3.0Ah Li-ion battery pack into the base of the hot knife until it clicks into place.
- **Check Battery Level:** Press the button on the battery pack to check the charge level indicators.
- **Charging:** Use the provided charger to fully charge batteries. A full charge typically takes 3-4 hours.



Figure 3.2: The image shows the visual temperature control display, the trigger switch for operation, steps for quick blade installation, and the lithium battery with its charge level indicator.

4. OPERATING INSTRUCTIONS

4.1 Power On and Temperature Adjustment

- Power On:** Press and hold the ON/OFF switch to activate the tool. The digital display will show the current temperature.
- Adjust Temperature:** Use the temperature control knob to set the desired temperature. The maximum temperature is 500°C (932°F). Adjust in 50°C increments.
- Heating Time:** The blade heats up quickly, typically reaching 500°C in 6-8 seconds.



Figure 4.1: The hot knife features a visual temperature control display, allowing users to precisely set the heat from 0°C to 500°C (932°F) maximum.

Your browser does not support the video tag.

Video 4.1: This video demonstrates the general operation of the Huanyu Cordless Hot Knife, showcasing its features and ease of use.

4.2 Blade Selection and Application

Select the appropriate blade for your material to achieve optimal cutting results.

- **15 cm Straight Blade:** Ideal for cutting various foams, including polystyrene, styrofoam, sponge, and EPP.
- **Arc Blade (R-Type Knife):** Suitable for cutting thick fabrics such as nylon, polyester, and canvas. Also effective for plastic sheets.
- **Rope Blade:** Designed for cutting ropes, belts, cords, and webbing.
- **Sharp Blade:** Used for holing foam, cutting acrylic, and other dense materials.

Note: For short blades, it is recommended not to exceed 450°C to prevent damage or excessive melting.



Figure 4.2: This image illustrates the wide application of the hot knife with different blades: R Blade for fabric/webbing/canvas, Rope Blade for various ropes, Sharp Blade for foam/acrylic/plastic, and 15cm Straight Blade for foam/KT board/PVC/sponge.

4.3 Cutting Examples

Your browser does not support the video tag.

Video 4.2: Demonstration of the Huanyu Cordless Hot Knife using the Rope Knife blade to cut rope cleanly.

Your browser does not support the video tag.

Video 4.3: This video illustrates the use of the Sharp Knife blade for cutting various materials like KT board, foam, and plastic sheets.

Your browser does not support the video tag.

Video 4.4: A demonstration of the Straight Knife blade cutting EPS and EPE foam, as well as KT board.

Your browser does not support the video tag.

Video 4.5: This video shows the R-Type Knife blade in action, cutting fabric, rope, and plastic sheets.

5. MAINTENANCE

- **Cleaning Blades:** Always ensure the tool is off and cooled before cleaning. Use the provided brush to remove any residue from the blades. For stubborn residue, a damp cloth can be used, but ensure the blade is completely dry before next use.
- **Air Cooling Vents:** Regularly check and clear the air cooling vents to ensure proper airflow and prevent overheating of internal components.
- **Battery Care:** Store batteries in a cool, dry place. Do not store fully discharged batteries for extended periods. Charge them periodically if not in use.
- **Storage:** Store the hot knife and its accessories in the provided tool box to protect them from dust and damage.

6. TROUBLESHOOTING

Problem	Possible Cause	Solution
Tool does not turn on.	Battery is not installed correctly or is discharged.	Ensure battery is fully inserted. Charge the battery if necessary.
Blade not heating up.	Temperature setting is too low or blade is not properly installed.	Increase temperature setting. Check blade installation and tighten screws.
Poor cutting performance.	Incorrect blade for material, temperature too low, or blade is dirty.	Select appropriate blade. Increase temperature. Clean the blade.
Tool overheats.	Air cooling vents are blocked.	Ensure air cooling vents are clear of debris. Allow tool to cool down.

7. SPECIFICATIONS

Feature	Detail
---------	--------

Feature	Detail
Brand	Huanyu
Model Name	Huanyu Cordless Hot Knife
Model Number	5b82d7fe-bf70-4cc0-a0da-746f81400776
Power Source	Battery Powered
Wattage	100 watts
Input Voltage (Charger)	110V
Battery Voltage	21V
Max Temperature	500°C / 932°F
Battery Type	2 x 3.0Ah Li-ion
Battery Life (per charge)	Up to 30 minutes
Battery Charge Time	3-4 hours
Blade Material	Nickel-Chromium Alloy
Included Components	Hot knife tool, 2 x 3.0Ah Li-ion batteries, 1 x charger, 4 blades set, wrench, brush, tool box.
Machine Weight	500g
Battery Weight	550g

BATTERY POWERED HOT KNIFE

with Air Cooling System

Product Parameter	
Voltage	110V
Power	100W
Battery Life	30 Mins
Temperature	0-500°C/ 932°F
Machine Weight	500g
Battery Weight	550g



Attention: Short blade suggests NO MORE 450 °C



Blades Set



Lithium Batteries & Charger



Wrench & Brush



Tool Box

Figure 7.1: Product parameters table showing Voltage (110V), Power (100W), Battery Life (30 Mins), Temperature (0-500°C/932°F), Machine Weight (500g), and Battery Weight (550g). Also shown are the included accessories: Blades Set, Lithium Batteries & Charger, Wrench & Brush, and Tool Box.

8. WARRANTY AND SUPPORT

For warranty information or technical support, please contact Huanyu customer service through the retailer where the product was purchased or visit the official Huanyu website. Keep your purchase receipt as proof of purchase.

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

Open the live page

<https://manuals.plus/asin/B0CX4DGN3L>

More documents and user manuals: <https://manuals.plus/>