

HTV  ONT



User Manual of HTVRONT
A300 Auto Hat Heat Press

Thank you for purchasing the HTVRONT A300 Auto Hat Heat Press. Before using this product for the first time, please read this product manual carefully and keep it for future reference.

Included in the Box



▶ HTVRONT A300 Auto Hat Heat Press x 1



▶ Power Cord x 1



▶ Small Hat Platen x 1



▶ Heat-Resistant Gloves x 1



▶ User Guide Envelope x 1

Device Overview



1.Heat Plate	2. Touchscreen	3. Heat Plate Handle	4. Hat Platen	5. Hat Stretcher
Time: 1 ~ 999 s Temp: 40°C-210°C / 104°F-410°F				

Details of Buttons



Power

1. Tap once to turn the device on/off;
2. When the device is off, tap and hold for 5 s until a beep sounds to reset it to the default settings (100°C / 212°F, 20 s).



Mode

1. Tap once: Select Mode A (Preset: 150°C / 302°F, 15 s);
2. Tap twice: Select Mode B (Preset: 170°C / 338°F, 20 s);
3. Tap three times: Exit Mode A/B and revert to default (100°C / 212°F, 20 s).



Mode Display

Temperature / Time in A/B mode can be adjusted freely.



Temperature

1. Short tap: Temperature digits blink → Tap “+” or “-” within 3 s to adjust; Tap “Temp” button again to save or wait 3 s for automatic-save;
2. Long tap for 3 s to switch between °C and °F (default is °F).



Temperature Display

Adjustable Range: 40°C–210°C / 104°F–410°F.



Time

- Short tap: Time digits blink → Press “+” or “-” within 3 s to adjust; Tap “Time” button again to save or wait 3 s for automatic-save.



Time Display

Adjustable Range: 1 ~ 999 s.



Start

Tap once to start ironing automatically.



Increase

1. Each short tap:
 - Temp + 1°C / 1°F
 - Time + 1 s
2. Tap and hold:
 - Temp + in 5°C / 5°F steps
 - Time + in 5 s steps



Decrease

1. Each short tap:
 - Temp - 1°C / 1°F
 - Time - 1 s
2. Tap and hold:
 - Temp - in 5°C / 5°F steps
 - Time - in 5 s steps

Details of Indicator Lights

Buttons	Indicator Lights	Status
Power	Flash White Light White	The device is powered on. The device is turned on.
Start	Light Red Light Green	The device has not reached the set temperature. The device reached the set temperature.

Functions



Custom Temperature & Time

- Temperature range: 40 °C–210°C / 104°F–410°F
- Time range: 1–999 s



Preset Modes

- Mode A: 150°C / 302°F, 15 s
- Mode B: 170°C / 338°F, 20 s
- Both Mode A and B can be customized



Auto Shut-off

This device will turn off automatically if there's no operation in 15 minutes;



Memory Mode

Press the "Power" button for 5 s to turn off the device and reset the settings.



Emergency Stop

Tap any button during heat pressing to stop and lower the hat platen;



Back to the Default Setting (100°C / 212°F, 20 s)

While powered off (but plugged in), tap and hold the "Power" button for 5 s until you hear a beep—resets to default settings;



Switch Temperature Unit

While powered on, tap and hold the "Temp" button for 3 s to switch between °C and °F (default is °F).

Usage Notes

1. Always wear heat-resistant gloves during operation to prevent burns;
2. When moving the heat plate, wear heat-resistant gloves and hold it by the top handle;
3. Wait for the device to cool down before replacing the hat platen. Always wear heat-resistant gloves during replacement;
4. Return the hat stretcher to its original position after each heat press to prevent it from bouncing back;
5. Do not force the heat plate forward or backward once it stops;
6. For best results, remove the sweatband inside the hat, adjust the position, and press down the hat stretcher to prevent it from bouncing back;
7. To ensure better pressing results, use heat-resistant tape to secure embroidered patches or sublimation designs.

Hat Platen Replacement Instructions



Turn off the power and wait for the heat plate to cool down. Move the heat plate toward the back of the device until it stops—do not force it;



Wear heat-resistant gloves. Remove the current hat platen and align the new one with the mounting slot. Press down firmly until it is securely in place. The replacement is complete.

Instructions for Use



Wear heat-resistant gloves and power on the device. Tap the "Power" button to start. Set the desired temperature and time, or choose a preset mode. Wait until the device heats up. (Refer to "Details of Buttons" for specific mode settings.);



Hold the top handle and move the heat plate backward until it stops. (Caution: The edge of the heat plate may be hot—avoid burns);



Place and fix your design on the hat. Then, press down the hat stretcher to secure the hat on the hat platen;



Once the device reaches the set temperature, move the heat plate directly over the design to cover it. Tap the 'R' button to lift the hat platen automatically. The countdown begins, and when it ends, the platen lowers while the device beeps three times;



Move the heat plate back to its rear position until it stops;



Remove the hat and reset the hat stretcher to its original position.

Quick Reference Chart

Materials	Textile	Temp	Time	Note
Pure Heat Transfer Vinyl	100% Cotton, Polycotton, Polyester, etc.	145°C/293°F	15 s	Cold Peel
Glitter Heat Transfer Vinyl	100% Cotton, Polycotton, Polyester, etc.	150°C/302°F	15 s	Cold Peel
Holographic Heat Transfer Vinyl	100% Cotton, Polycotton, Polyester, etc.	150°C/302°F	15 s	Cold Peel
Chameleon Heat Transfer Vinyl	100% Cotton, Polycotton, Polyester, etc.	145°C/293°F	15 s	Cold Peel
Metallic Heat Transfer Vinyl	100% Cotton, Polycotton, Polyester, etc.	140°C/284°F	10 s	Cold Peel
Printable Heat Transfer Vinyl	100% Cotton, Polycotton, Polyester, etc.	145°C/293°F	15 s	Cold Peel
Reflective Heat Transfer Vinyl	100% Cotton, Polycotton, Polyester, etc.	150°C/302°F	15 s	Cold Peel
Flock Heat Transfer Vinyl	100% Cotton, Polycotton, Polyester, etc.	150°C/302°F	15 s	Cold Peel
Puff Heat Transfer Vinyl	100% Cotton, Polycotton, Polyester, etc.	155°C/311°F	15 s	Hot Peel
Heat Transfer Paper for Dark Fabric	100% Cotton, Polycotton, Polyester, etc.	160°C/320°F	20 s	Cold Peel
Heat Transfer Paper for Light Fabric	100% Cotton, Polycotton, Polyester, etc.	160°C/320°F	20 s	Cold Peel
Sublimation Paper	Polycotton, Polyester, etc.	200°C/392°F	40 s	Hot Peel
DTF Transfer Film	100% Cotton, Polycotton, Polyester, etc.	150°C/302°F	15 s	Cold Peel
Embroidered Patches	100% Cotton, Polycotton, Polyester, etc.	170°C/338°F	20 s	Cold Peel
Hotfix Rhinestones	100% Cotton, Polycotton, Polyester, etc.	175°C/347°F	20 s	Cold Peel

Specifications

Name	HTVRONT A300 Auto Hat Heat Press	Model	HPH04
Input Voltage	AC 120V / 60Hz 350 W		
Temperature	40°C-210°C (104°F-410°F)	Time	1~999 s
Product Dimensions	24×21×39.5 cm / 9.45×8.27×15.55 in	Package Dimension	45.5×32×29.5 cm / 17.9×12.6×11.6 in
Product Weight	4.2 kg / 9.26 lb	Package Weight	6.3 kg / 13.89 lb

Quick Reference Chart

- Do not use this product outdoors. It's only for household use;
- You can only use this product on a flat, stable, and heat-resistant surface;
- Keep away from flammable materials during use;
- Always prioritize safety when operating the device. Turn it off and unplug it when not in use or when leaving it unattended;
- Do not touch the heat plate after the power is on to avoid burns;
- Ensure the power cord does not touch the heating plate during operation;
- Unplug the power cord after use or before cleaning to avoid electric shock or danger;
- Wait until the device is completely cool before storing it;
- Do not immerse the product in any liquid;
- If the screen beeps or shows an "E1" or "E2" error, immediately disconnect the power and restart the device. For further issues, contact HTVRONT customer service;
- If the product malfunctions or is damaged, stop using it immediately and contact HTVRONT customer service;
- Children under 14 must use the machine under adult supervision;
- To reduce the risk of electric shock or injury, always unplug the device before any maintenance or repair;
- To reduce the risk of electric shock, this product is equipped with a polarized plug (one prong is wider than the other). This plug is designed to fit into a polarized outlet in only one way. If the plug does not fully insert, try reversing it. If it still doesn't fit, contact a qualified electrician to install the proper outlet. Do not attempt to modify the plug in any way;
- Always closely supervise the product when used near children;
- If the power cord is shorter than 4.5 ft (1.4 m), please follow these instructions:
 - A short cord is used to reduce the risk of tripping or entanglement;
 - You may use an extension cord, but handle it with care;
 - When using an extension cord:
 - The rated power of the cord must be equal to or greater than that of the product;
 - Arrange the cord safely and neatly, keeping it away from table edges to avoid being pulled, tripped over, or grabbed by children;
- For household use only and do NOT immerse the product in water or any liquid;
- Cleaning & Maintenance:
 - Always unplug the power cord before cleaning;
 - Wait until the product is completely cool before handling;
 - Use soft, dry doth to clean. Do not use detergents or cleaners;
 - When not in use, dean the product and store it in a cool, ventilated place, out of reach of children.

Q1: Can I customize the parameters for Mode A and Mode B? Can I restore default settings after customization?

A1: Yes. Although Modes A and B come with fixed default settings, you can still customize them;

A2: To restore default settings, turn on the device, tap and hold the “Power” button for 5 s until you hear a beep.

Q2: Why are there wrinkles during heat pressing?

A1: Make sure to pull the hat’s sweatband forward, in front of the hat platen;

A2: You can iron the surface of the hat to flatten it before placing the transfer material;

A3: Some hat materials, like sponge, are more prone to creasing.

Q3: Why must the hat stretcher be in the pressed-down position after placing the hat?

A1: Once you tap the “R” button, the hat platen rises automatically. After placing the hat, make sure the hat stretcher is fully pressed down. If not, it may bounce back during the rise and affect the operation.

Q4: What materials do the preset Mode A and Mode B apply to?

A1:

Mode A: For heat transfer vinyl;

Mode B: For embroidered patches;

These are preset modes, but you can also customize settings as needed.

Q5: What to do when there are "E1" or "E2" on the screen?

A1: Cut the power immediately and restart. For further issues, contact HTVRONT customer service.

Q6: How can I lift the device more easily if it sticks to the table?

A1: To lift the device, first slide one corner off the table, then lift it up. You can also start lifting the device from the side.

Q7: How to achieve the best heat transfer results?

A1: Check if the hat fits snugly on the hat platen. Place the hat on platen first, then press down the stretcher;

A2: Make sure the heat plate is aligned with the hat;

A3: Ensure your settings match the “Quick Reference Chart” in the manual.

Q8: How do I switch between Fahrenheit and Celsius?

A1: While the device is on, tap and hold the “Temp” button for 3 s.

HTVRONT A300 Auto Hat Heat Press Limited Warranty

This product is covered by a one-year warranty from the date of purchase. If a defect occurs under normal use within the warranty period, we will provide warranty service. Proof of purchase is required to claim warranty service. HTVRONT accessories are covered by a free warranty for three months from the date of purchase. In the event that any warranty terms conflict with applicable local laws and regulations, the local laws will take precedence.

To the extent permitted by applicable laws, HTVRONT is not responsible for the warranty in the following situations: malfunctions caused by improper use, maintenance, and storage by consumers; malfunctions caused by self-repair or dismantling by those who do not undertake the three-guarantee repair without the permission of our company; products that can continue to be used after repair when the warranty expired; damage caused by force majeure. Meanwhile, HTVRONT disclaims all implied and legal warranties, including warranties of merchantability and fitness for a particular purpose. The warranties that are allowed to be denied are for the duration of this warranty.

Proof of purchase may be required to verify warranty eligibility.