



INFRARED HEATING PANEL

OPERATING INSTRUCTIONS



Model: US-BREF750 & US-BREF750-B

REGULATORY INFORMATION

FCC Compliance Statement

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference, and
- (2) this device must accept any interference received, including interference that may cause undesired operation.

Note:

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules.

These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates, uses, and can radiate radio frequency energy, and if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

Radiation Exposure Statement

This device complies with FCC RF radiation exposure limits set forth for an uncontrolled environment.

The FCC certification of this device refers to RF exposure testing performed under typical operating conditions, where a person is no closer than 20 centimeters (8 inches) from the device surface at all times, except for non-repetitive patterns with transient time intervals on the order of one second.

Only under these stated conditions has the device been shown to fully comply with the FCC RF Exposure requirements of KDB 447498.

READ INSTRUCTIONS CAREFULLY

Read and follow all instructions. Keep this manual in a safe place for future reference. Do not allow anyone to assemble, operate, or adjust this heater who has not read these instructions.

WARNING: To prevent overheating, do not cover the heater.

CAUTION: Some parts of this product can become extremely hot during operation and may cause burns.

Use extra care when children, elderly, or vulnerable persons are present.

IMPORTANT SAFETY INFORMATION

PLEASE READ AND SAVE THESE IMPORTANT SAFETY INSTRUCTIONS

When using electrical appliances, basic safety precautions should always be followed to reduce the risk of fire, electric shock, or injury to persons, including but not limited to the following:

1. **Read all instructions** before using this heater.
2. **EXTREME CAUTION:** This appliance is not intended for use by persons (including children) with reduced physical, sensory, or mental capabilities, or by persons lacking experience or knowledge, unless they are supervised or instructed by someone responsible for their safety.
Children should be closely supervised to ensure they do not play with the appliance.
3. **Hot Surfaces:** The heater becomes hot while in operation. To prevent burns, do not allow bare skin to come into contact with hot surfaces.
Keep combustible materials such as furniture, pillows, bedding, papers, clothing, and curtains at least 3 feet (0.9 m) away from the front of the heater and away from the sides and rear.
4. **Unplug when not in use:** Always disconnect the heater from the electrical outlet when not in operation.
5. **Do not use if damaged:** Do not operate the heater with a damaged cord or plug, after the appliance malfunctions, or if it has been dropped or damaged in any way.
Return the heater to an authorized service center for inspection, electrical or mechanical adjustment, or repair.

IMPORTANT SAFETY INFORMATION

6. **For indoor use only.**

7. This heater is not intended for use in **bathrooms, laundry areas, or similar indoor locations.**

Never place the heater where it may fall into a bathtub or any other container filled with water.

8. **Do not run the cord under carpeting or cover it with rugs, runners, or similar coverings.** Do not route the cord under furniture or heavy objects.

9. To prevent a possible fire, ensure that the air inlet and outlet openings are not blocked in any way.

Maintain adequate clearance between the heater and walls or other surfaces.

10. This heater has hot and arcing or sparking parts inside.

Do not use it in areas where gasoline, paint, flammable liquids, or vapors are used or stored.

11. **Use the heater only as described in this manual.**

Any other use not recommended by the manufacturer may cause fire, electric shock, or injury to persons.

12. **Avoid using an extension cord.** The use of an extension cord may cause overheating and present a fire hazard. If an extension cord must be used, ensure that it is rated for at least 800 watts (for 110–120 V systems) and is suitable for household appliances.

13. To prevent **overloading a circuit**, do not plug the heater into a circuit that already has other appliances operating. Install the heater directly into a wall outlet and not into an additional socket or power strip.

14. It is normal for the plug to feel **warm during use.**

A loose fit between the outlet and plug, however, may cause overheating or deformation of the plug. Contact a qualified electrician to replace loose or worn-out outlets.

IMPORTANT SAFETY INFORMATION

15. The performance of this heater may vary, and the temperature can become high enough to cause burns upon contact with the skin.

This heater is **not recommended for use by individuals with reduced heat sensitivity** or who are **unable to react to heat exposure**, in order to prevent the risk of burns.

16. This appliance may be used by children aged 8 years and older, and by persons with reduced physical, sensory, or mental capabilities or lack of experience and knowledge, only if they have been given supervision or instruction concerning the safe use of the appliance and understand the hazards involved.

17. **Children under 3 years of age** should be kept away from the appliance **unless they are continuously supervised**.

18. **Children aged 3 to under 8 years** may only switch the appliance on or off **when it has been correctly installed or placed in its normal operating position** and they are under supervision or have been **instructed in the safe use of the appliance** and understand the hazards involved.

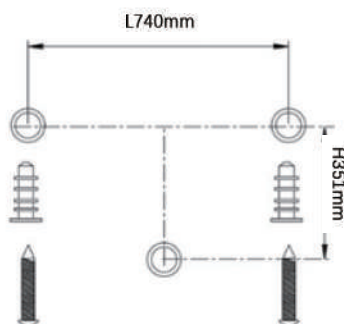
Children aged 3 to under 8 years must not plug in, adjust, clean, or perform maintenance on the appliance.

19. If the **power cord is damaged**, it must be replaced by the manufacturer, its service agent, or a **qualified technician** to avoid any risk of injury or electric shock.

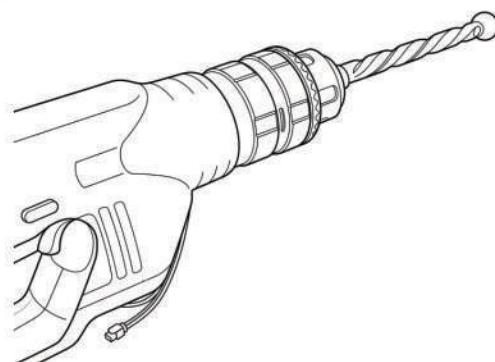
20. **SAVE THESE INSTRUCTIONS**

WALL MOUNTING INSTRUCTIONS

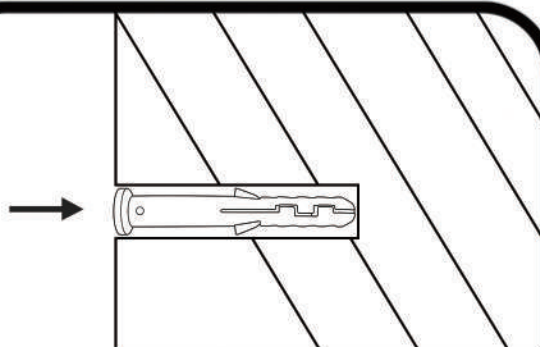
Unpack your package and locate the heater along with the accessories included for wall installation.



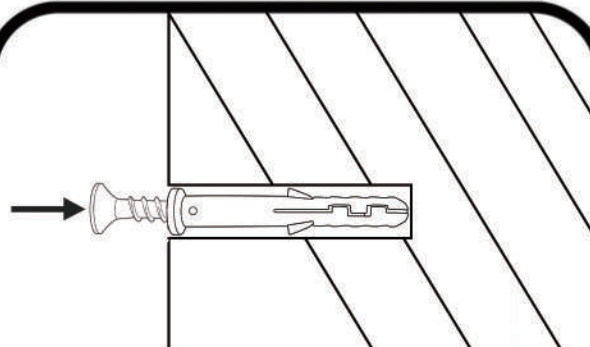
Step 1: Mark the positions of the three holes you need to drill in the wall.



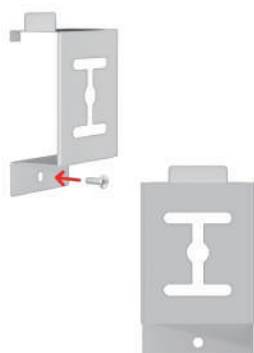
Step 2: Drill a hole at each corner with a diameter of 8 millimeters and a depth of up to 40 millimeters using a drill.



Step 3: Insert the plastic strips into the holes.

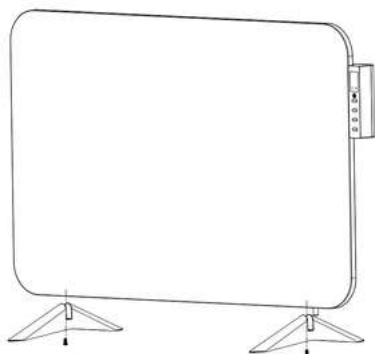


Step 4: Insert the 3 metal screws for wall mounting into the plastic inserts.



Step 5: Attach the wall brackets to the heater using the screws provided. Then lift the heater, align the three round holes on the brackets on the back of the heater with the three screws on the wall until it fits.

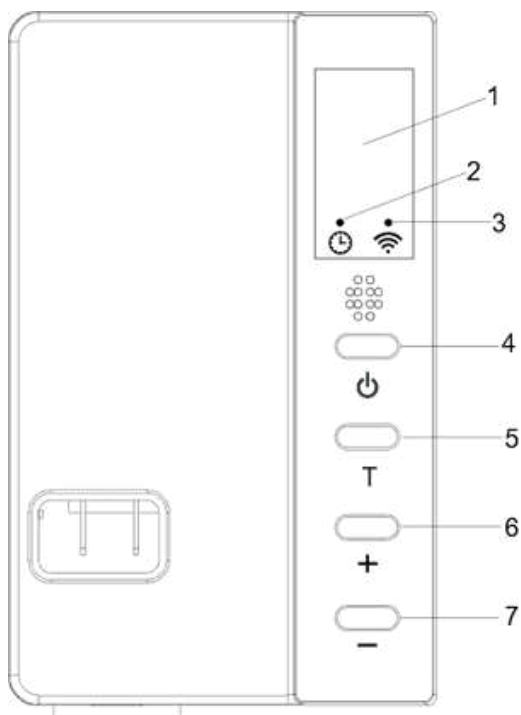
FREESTANDING INSTRUCTIONS



Place the support feet on the floor, align the holes in the feet with the holes on the underside of the heater, and insert the two bolts into the holes.

Tighten the bolts securely to attach the feet.

CONTROL PANEL



1. LED Indicator

2. Timer Indicator Light

3. Wi-Fi Indicator Light

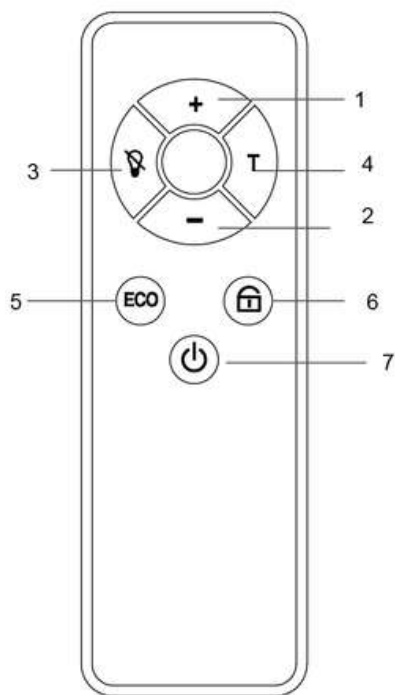
4. ON/OFF Button

5. Timer Button

6. Increase Temperature and Timer

7. Decrease Temperature and Timer

REMOTE CONTROL



1. Increase Temperature and Timer
2. Decrease Temperature and Timer
3. Turn Display Off
4. Timer Function
5. ECO-Mode
6. Child Lock
7. Power ON/OFF

NOTE:

Before using the remote control, make sure two AAA batteries (not included) are correctly installed.

OPERATING INSTRUCTIONS

1. Inspect the heater before use to ensure there are no visible damages.
2. Plug the power cord into a wall outlet.
3. You will hear a short beep, the display will light up for about 1.5 seconds, then show "--".
4. The Wi-Fi indicator will start flashing, and the heater will enter standby mode.
5. Press the Power button (⏻) on the control panel.
6. The preset temperature of 77°F will appear on the display.
7. The heater will start operating when the room temperature is 33,8 °F below the set temperature, and it will stop heating when the set temperature is reached.
8. Adjust the temperature by pressing the "+" or "-" button on the control panel or remote control.
9. The selected temperature will blink on the display for 5 seconds.
10. Each press increases (+) or decreases (-) the temperature by 33,8 °F.
11. The temperature range is 41 °F – 95 °F.
12. Set the timer:
13. Press the "T" button on the control panel or remote control.
14. When the LED indicator blinks, press "+" or "-" to set the timer between 0-24 hours.
15. The countdown timer is confirmed after 5 seconds without adjustment.
16. The LED display will alternate between showing the timer and the set temperature.
17. Activate the child lock function:
18. Press and hold the "-" button on the control panel until "LC" appears on the display.
19. To deactivate the child lock, press and hold the "-" button.
20. When the heater is turned on but no buttons are pressed for more than 1 minute, the display will automatically turn off.
21. Press any button once to reactivate the display.

CONNECTING TO WI-FI



1. To connect your heater to Wi-Fi, first download the TUYA Smart App on your smartphone.

You can find the app by scanning the QR code on the right or by searching for "TUYA Smart" in the Google Play Store or Apple App Store.

2. Download and install the app.

If you do not already have a Tuya Smart account, create one by following the registration instructions within the app.

3. The device will automatically detect your country.

You may change this if necessary.

Enter your phone number or email address to register.

If you register with your phone number, you will receive a verification code via SMS.

If you register with an email address, create a password after verification.

4. To add the heater to the app, turn on the Wi-Fi connection mode.

Plug the heater into the wall outlet. You will hear a short beep, the display will light up for about 1.5 seconds, then show "--".

The Wi-Fi indicator will begin flashing, and the heater will enter standby mode.

You can now connect your smartphone to the heater using the TUYA Smart App.

If the Wi-Fi symbol does not flash, press and hold the "T" button until it begins blinking.

5. When the Wi-Fi symbol starts blinking, open the app and tap "Add Device."

The app will search for available devices.

Select your Wi-Fi network and enter your Wi-Fi password, then tap "Next."

Once the device is successfully added, tap "Done."

6. The app will show a connection screen and display a solid Wi-Fi icon on the heater's LED screen when the connection is complete.

7. After confirmation, the heater will appear in your device list.

You can rename the device if desired—tap the "..." icon in the control menu and enter a logical name (e.g., Living Room Heater) for easier identification.

8. To disconnect Wi-Fi or connect the heater to another network, press and hold the "T" button to reset the Wi-Fi connection.

USING THE SmartLife /Tuya App

Using Wi-Fi and the app to control your heater.

1. Power: Turns the heater on or off.

2. Countdown:

Set a timer from 0–24 hours to turn the heater on or off automatically.

- When the heater is operating, the countdown timer will turn it off after the set time.

- When the heater is off, the countdown timer will turn it on after the set time.

3. ECO Mode:

When ECO mode is activated, “EC” will appear on the heater’s display.

If a window is opened and the room temperature drops by more than 41°F within 10 minutes, the heater will automatically shut off to save energy.

4. Child Lock:

When this function is activated, “LC” will appear on the heater’s display.

Operation via the control panel and remote control will be disabled.

The heater can only be controlled through the Smart Life / Tuya app on your smartphone.

5. Light: Turns the display backlight on or off.

6. Timer (7×24-Hour Schedule):

You can set the time, day, temperature, and on/off schedule for your heater. Choose whether you want the event to occur once or repeat on specific days. Then set whether the heater should turn on or off at that time and select the desired temperature.

Confirm your settings for each phase by tapping Save.

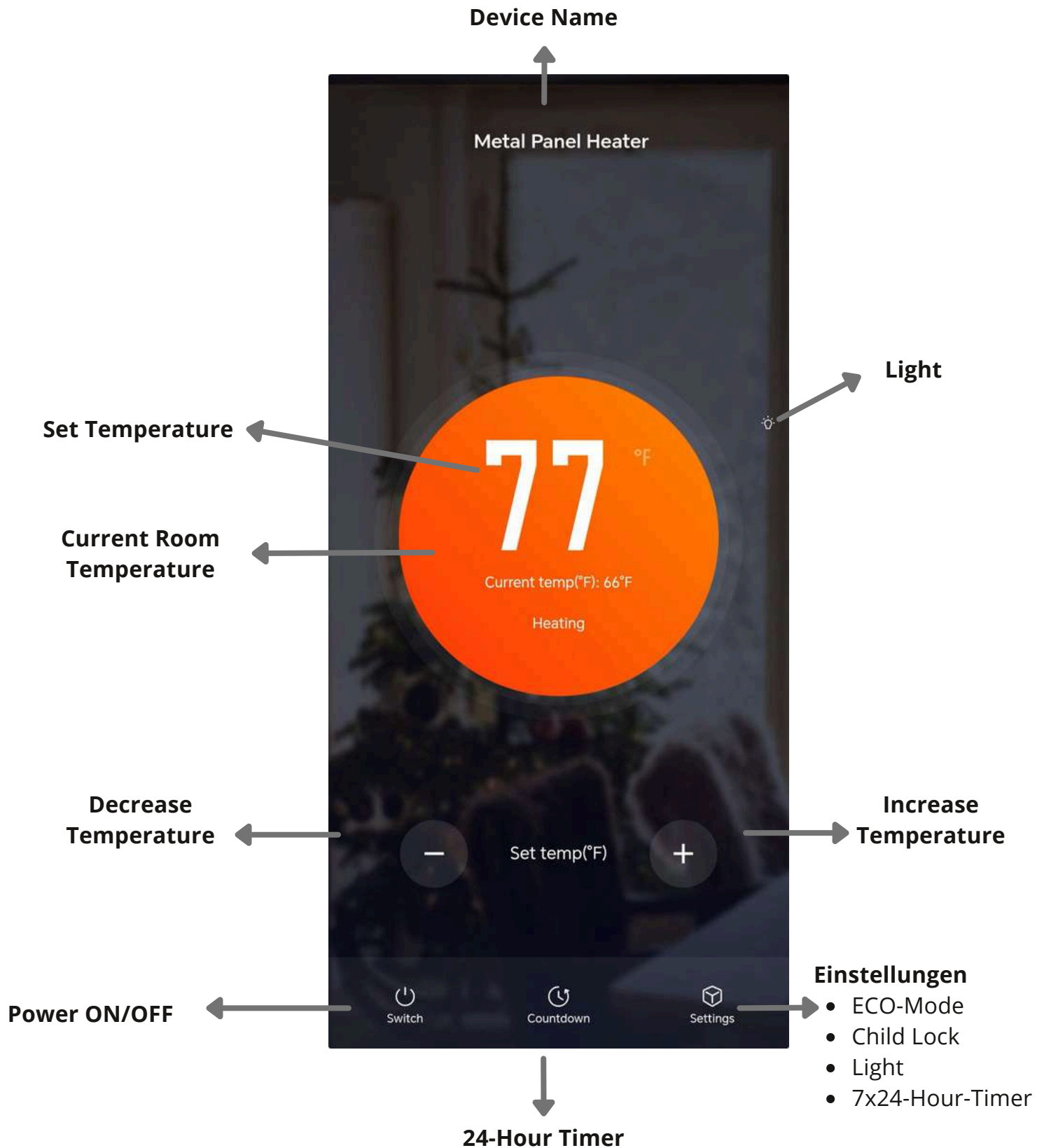
Each event will appear in your schedule list.

You can enable or disable events using the toggle switch.

To delete an event, swipe left and tap Delete.

USING THE SmartLife /Tuya App

Using Wi-Fi and the app to control your heater.



CLEANING AND STORAGE

Before cleaning the heater, turn it off, unplug it from the wall outlet, and allow it to cool down completely.

The exterior surface can be cleaned with a soft, damp cloth and then dried thoroughly.

Do not use abrasive cleaners, solvents, or furniture polish, as these may damage the surface finish.

To remove the heater from the wall for cleaning or maintenance, loosen the screws and carefully lift it off the wall brackets.

For short-term storage, unplug the heater and store it in a dry and dust-free area.

For long-term storage, remove the heater from the wall and cover it with a protective material to prevent dust accumulation.

CLEANING AND STORAGE

Model Numbers: US-BREF750 & BREF750-B, 110-120V~ 50/60Hz

PROPER DISPOSAL OF THIS PRODUCT



This symbol indicates that this product must not be disposed of with regular household waste.

Electrical and electronic products contain valuable materials that can be recycled and reused.

To protect the environment and reduce the demand for raw materials, please take this product to a designated electronic recycling center or contact your local waste disposal authority for information about proper recycling and disposal methods in your area.

Improper disposal may be prohibited by state or local regulations.

For more information on recycling electronic devices, visit the U.S. Environmental Protection Agency (EPA) website at www.epa.gov/recycle.

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