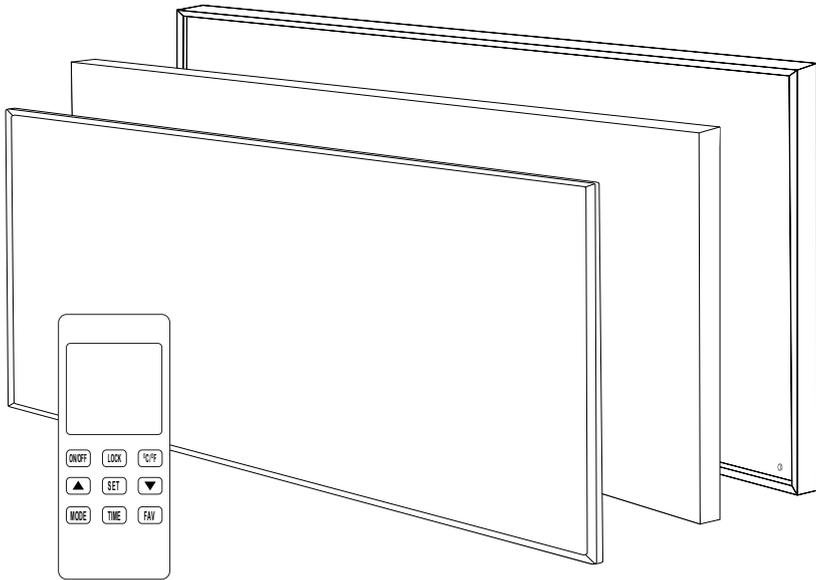


MIRRORSTONE

INFRARED HEATING

IR PANEL HEATER MANUAL



• Classic • Frameless • NXT Gen • Image • Glass & Mirror Ranges

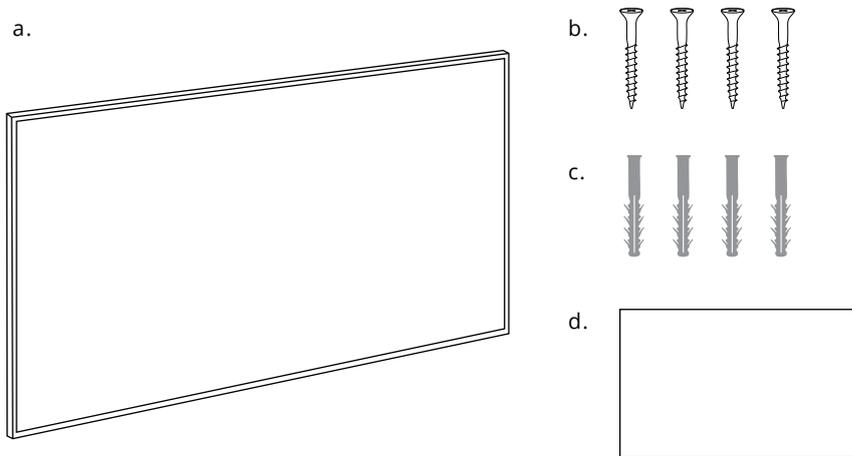


* Remote control only available with NXTGen & Image panels

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INCLUDED IN THE BOX



- a. – Infrared Heater
- b. – Screws
- c. – Wall Plugs
- d. – Mounting Template

FEATURES

- This infrared panel heater is designed to provide an efficient, comfortable and healthy heating system for all domestic users and homeowners.
- This infrared panel heater can reduce air circulation and help create and maintain a clean, silent and dust free environment.
- All infrared panel heaters should be wall mounted. If you would like to mount the panel on your ceiling, either use a suspension kit with a gap between the panel and the ceiling between 50mm and 250mm, or install it in a suspended ceiling.
- A wide range of panels are available in varying sizes, wattages and frames.

MODEL SPECIFICATIONS

Available Sizes		Rated Power	Amps	Heated Area
Classic	295mm x 595mm	180W	0.75A	2 - 3m ²
	595mm x 595mm	350W	1.4A	5 - 6m ²
	595mm x 995mm	580W	2.5A	9 - 10m ²
	595mm x 1195mm	700W	3A	11 - 12m ²
	795mm x 1195mm	900W	3.9A	15 - 16m ²
	995mm x 1195mm	1100W	5.2A	19 - 20m ²
Available Sizes		Rated Power	Amps	Heated Area
Frameless	600mm x 600mm	360W	1.6A	5 - 6m ²
	600mm x 800mm	600W	2.6A	9 - 10m ²
	600mm x 1200mm	720W	3.1A	11 - 12m ²
	800mm x 1200mm	960W	4.2A	15 - 16m ²
	1000mm x 1200mm	1200W	5.2A	19 - 20m ²
Available Sizes		Rated Power	Amps	Heated Area
NXT GEN / Image / Custom	295mm x 595mm	350W	1.4A	2 - 3m ²
	595mm x 595mm	350W	1.4A	5 - 6m ²
	595mm x 995mm	580W	2.5A	9 - 10m ²
	595mm x 1195mm	700W	3A	11 - 12m ²
	795mm x 1195mm	900W	3.9A	15 - 16m ²
	995mm x 1195mm	1200W	5.2A	19 - 20m ²
Available Sizes		Rated Power	Amps	Heated Area
Glass	600mm x 800mm	450W	2A	7 - 8m ²
	600mm x 1000mm	580W	2.5A	9 - 10m ²
	600mm x 1200mm	700W	3A	11 - 12m ²
Available Sizes		Rated Power	Amps	Heated Area
Mirror	850mm diameter	360W	1.6A	5 - 6m ²
	600mm x 800mm	450W	2A	7 - 8m ²
	600mm x 1000mm	580W	2.5A	9 - 10m ²
	600mm x 1200mm	700W	3A	11 - 12m ²

WARNINGS & PRECAUTIONS



No Covering



Do Not Touch

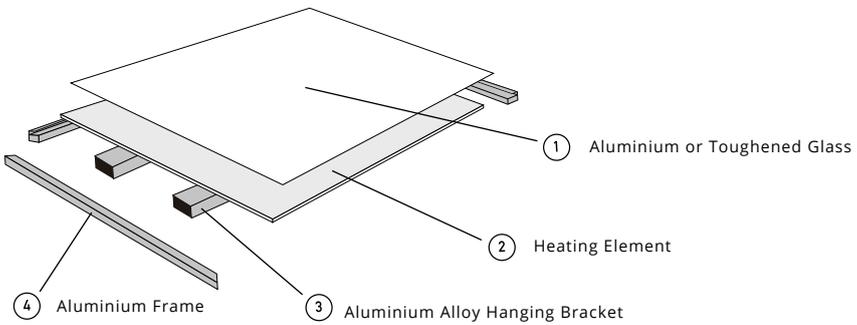


Do Not Spray

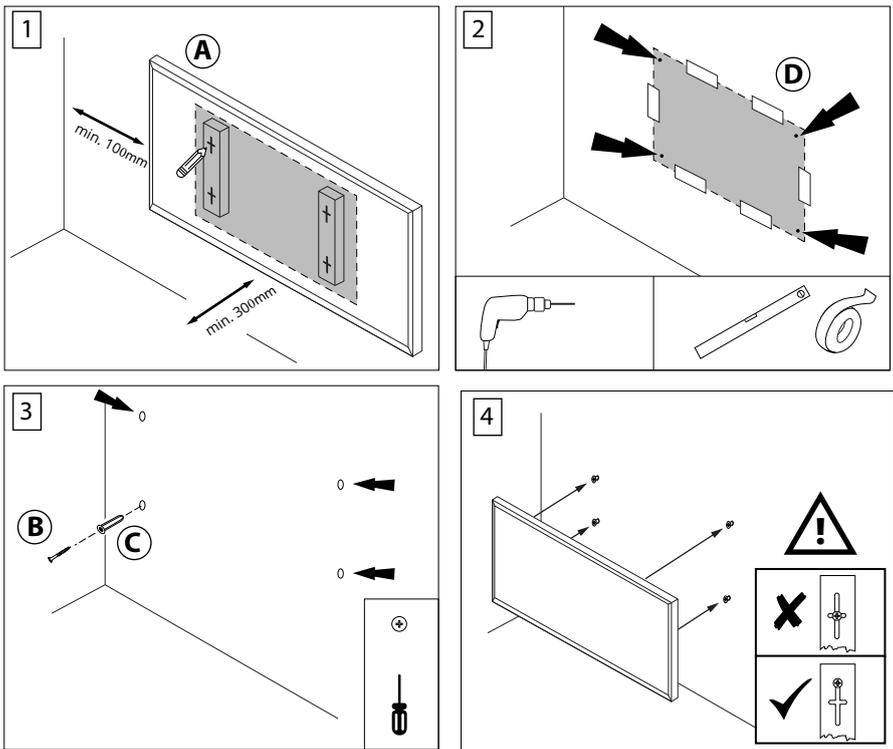
1. To prevent burns or injuries related to prolonged contact with the heating panel, children, those who suffer from sensitive skin, the elderly, the sick or those who are taking any medication that causes drowsiness should take extra care around the appliance.
2. Do not damage, destroy, change, bend, stretch or press the power cord, otherwise it may result in fire or electric shock.
3. Ensure that the usage voltage remains between 220-240V, 50Hz and that the power supply is grounded.
4. The heating panels will draw more current than small appliances when in operation, and will require a separate 5A socket as a result.
5. Keep the heating panel away from flammable products to prevent the risk of fire.
6. Please ensure that the front of the panel has a minimum 30cm clearance, and 5cm for the sides (10cm for Frameless Panels).
7. Please ensure that the panel is not mounted directly to the ceiling, unless you have a suspended ceiling. For all other ceiling installations, a suspension kit must be used with a minimum gap of 25cm between the panel and ceiling.
8. Please do not jump or stand on the panel, or apply strong pressure to it.
9. Never cover the heater with any materials that retain heat well, such as towels, quilts or carpets, etc.
10. Be sure to unplug the power cord from the mains in the event that you need to clean the heating panel, and wait until it has completely cooled down. Please ensure that you use a dry cloth, and avoid using gasoline or acetate on the appliance.

DEVICE STRUCTURE

Device Structure (Structure will vary depending on the model purchased)



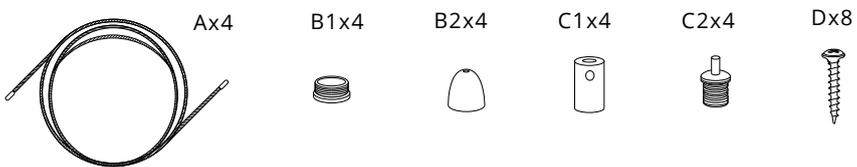
MOUNTING & INSTALLATION



1. Use the supplied paper to cover the back of the panel, and use a pencil to mark the locations of the holes.
2. Use some adhesive tape to fix the paper onto the wall or ceiling. Use the template to drill the holes.
3. Insert the wall plugs into the holes.
4. Insert the screws into the wall plugs. The screws should protrude from the wall by around 5mm.
5. Mount the panel onto the 4 screws.

SUSPENSION KIT INSTALLATION

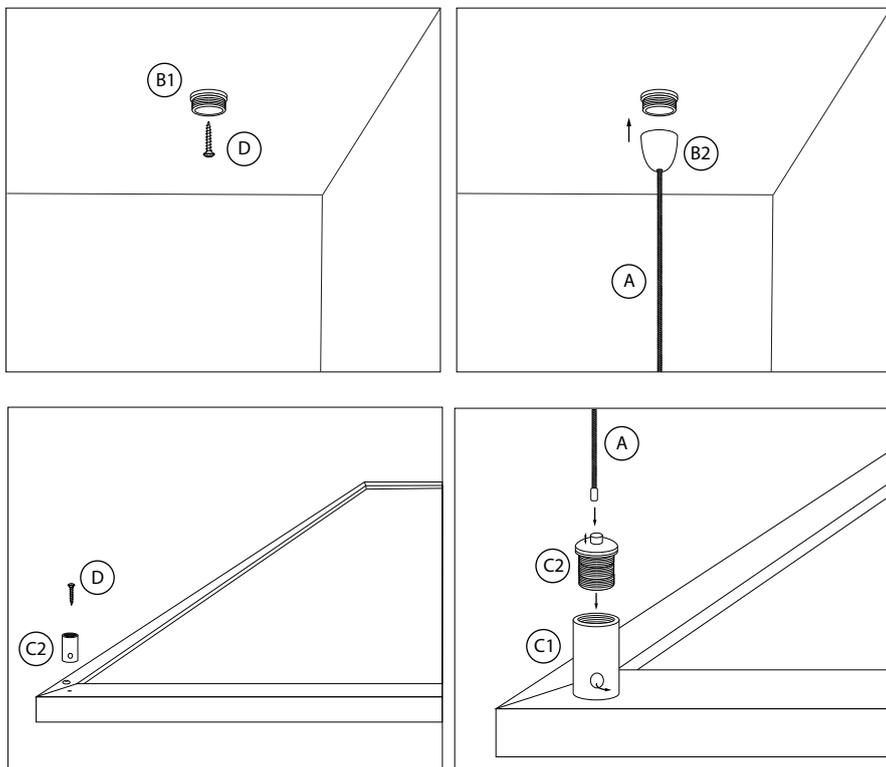
Suspension kits (sold separately) should only be used for ceiling installations, and if there is no suspended ceiling.

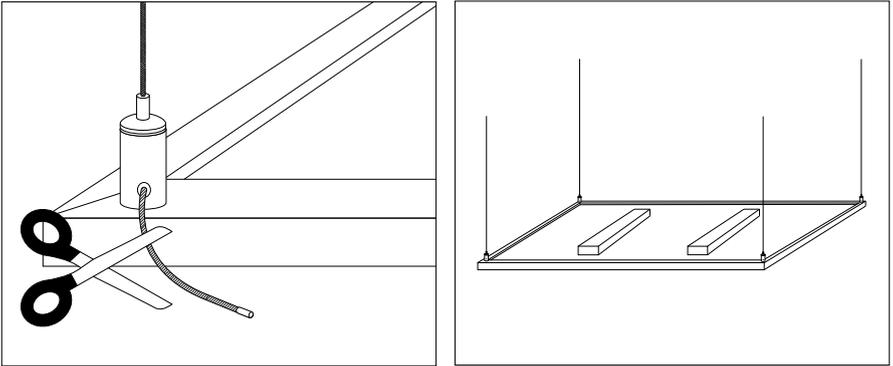


- 4 x Suspension Cable (A)
- 4 x Short Latch Base (B1)
- 4 x Short Latch Bullet Head (B2)
- 4 x Long Latch Lock (C1)
- 4 x Long Latch Cylinder Base (C2)
- 8 x Screw (D)

1. Using (D), screw the base of the Short Latch (B1) into your ceiling.
2. Feed the Suspension Cable (A) through the Short Latch Bullet Head (B2).
3. Screw the Bullet Head (B2) into the Short Latch base (B1).
4. Remove one of the screws from the back of the frame, and use either it or the supplied screw (D) to screw in the Long Latch Cylinder Base (C2) to the back of the frame.
5. Feed the Suspension Cable (A) through the small opening at the top of the Long Latch Lock (C1), pressing down on the opening to open the lock. Releasing the opening will lock the cable in place.

6. Feed the remaining Suspension Cable (A) through the top of the Long Latch Cylinder Base, and out through the small hole in its side. You can adjust the length of the cable by pressing down on the Long Latch Lock (C1) and feeding the Suspension Cable (A) through. Letting go of the Long Latch Lock will hold the cable in position.
7. Once you have the Suspension Cable (A) set to the correct length, add another 5mm to the length, and use a pair of scissors to cut the Suspension Cable so that there is no excess wire protruding from the Long Latch Cylinder Base (C2).
8. Screw the Long Latch Lock (C1) into the Long Latch Cylinder Base (C2) to fix it into position.
9. Repeat steps 1 to 8 for the remaining Suspension Cables.

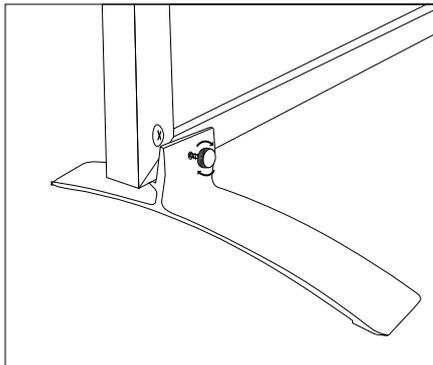




PANEL STAND INSTALLATION

The Panel Stand (sold separately) allows you to have your heater free-standing on the floor, and can also be moved from room to room too.

1. Place the panel in the slot on the top of the Panel Stand, and turn the screw at the back of the Panel Stand so that it tightens against the frame of the panel.
2. Repeat for the second Stand .



NXT GEN HEATING PANELS

*NXT Gen features only available with NXT Gen, Image and Custom Image ranges.

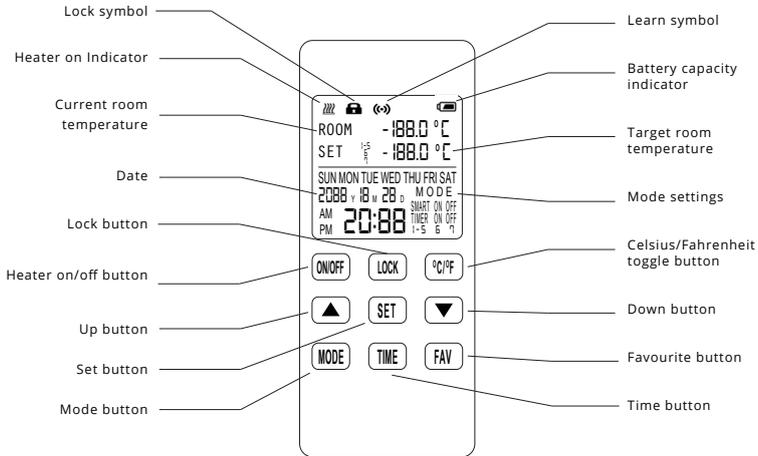
REMOTE CONTROL

- Battery powered: DC 3V (2 x 1.5V AAA Batteries, not included).
- Power consumption: 3V, 0.1mA.
- Dimensions: 135mm length x 56mm width x 18mm depth.
- Weight: 86g.
- Thermostat target temperature range: 0°C – 45°C (32°F – 113°F).
- Temperature resolution: $\pm 1^\circ\text{C}$.
- Thermostat current temperature range: 1°C – 45°C (Displayed at 0.1°C increments).
- Accuracy of measured temperature: $\pm 0.5^\circ\text{C}$.

BUILT IN RECEIVER

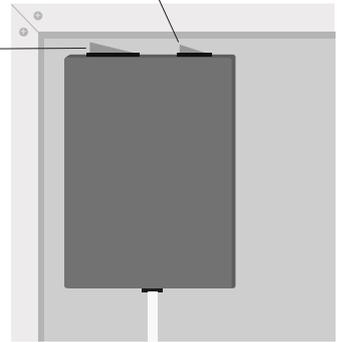
- Power Supply: AC 220-240V, 50/60Hz.
- Power Consumption: 0.4W.
- Two integrated rocker switches: mains on/off, and remote control on/off.

OPERATION OF REMOTE & INTEGRATED RECEIVER



Green remote control on/off switch (remote will be in operation when this switch of OFF)

(Red) on/off toggle switch



LCD DISPLAY

- The “” symbol indicates when the IR Panel is beaming out heat.
- The “” symbol indicates that the buttons on the remote controller are locked.
- The “” symbol indicates when the heater is ‘learning’ the difference between your current room temperature and your target room temperature when Adaptive Start is on.
- The “” symbol shows you the current battery level. It will begin to flash when the battery level is low. At this point, you will need to replace the batteries in the remote.

GETTING STARTED

- Included with each panel is a remote controller with an LCD digital display. This features an integrated room temperature sensor located at the top of the remote.
- At the back of the panel itself is the integrated receiver that communicates with the remote controller. On this receiver are two rocker switches. **The red switch toggles the panel on and off, while the green switch toggles the remote control on and off (when the green switch is on, the remote will not work, and when the green switch is off, the remote will be in operation).**
- After having plugged in your IR Panel, ensure that the red switch is in the 'on' position, and the green switch is in the off position.
- Insert the 2 x AAA batteries into the remote, and press the 'On/off button' to switch the remote on.
- To pair the remote with the panel, hold down the 'Mode button' and '°C/°F button' together for 3 seconds. You will hear a beep from the receiver on the back of the panel upon successful pairing.
- You can repeat this process to pair the same remote to multiple heaters. Please ensure that any heaters you do not want to be paired are switched off from the mains.
- When the green switch is on, the remote control will not work and the panel will be constantly on.

BASIC FUNCTIONS

- Press the 'on/off button' to switch the heater on or off.
- Press the 'C/F toggle button' to change between Celsius and Fahrenheit temperature displays.

- Hold down the 'Lock button' for 3 seconds to lock the remote, and hold it again for 3 seconds to unlock the remote.
- Set the year, month and day by holding down the 'Time' button. Use the 'Up' and 'Down' button to change the year, and then press the 'Time' button again to confirm. You can then select the month using the 'Up' and 'Down' button, confirming your selection using the 'Time' button. Repeat this until you've set the correct date and time.
- Holding down the 'Mode' button for 3 seconds allows you to toggle the Timer functions and Adaptive Start using the 'Up' button and 'Down' button, confirming your choices using the 'Mode' button. The numbers '1-5' that flash on the bottom right of the display refer to Monday-Friday. '6' refers to Saturday and '7' refers to Sunday.
- Pressing the 'Favourite button' will change the target room temperature to the favourite temperature. By default, this is set to 20°C.

ELECTRONIC TEMPERATURE CONTROL

- Using the 'Up' and 'Down' buttons, you can change the temperature that you would like your room to be. The temperature next to
- 'Set' on the LCD screen will tell you your current target temperature.
- The current room temperature as measured by the sensor will be displayed next to 'Room' on the LCD screen.
- If the current room temperature is less than the target temperature by 0.5°C or more, then the panel will switch on.
- Conversely, if the room temperature is higher than the target temperature by 0.5°C or more, then the panel will switch off.

TIMER & TEMPERATURE SETTINGS

- Hold down the 'Set button' for 3 seconds, this will let you set the timer and temperature settings. Initially, you will be able to set the time you would like the heater to switch on for Monday to Friday (indicated by the flashing '1-5' on the LCD display) – press the 'Up button' to adjust the hours, and the 'Down button' to adjust the minutes (in 15 minute increments).
- When you're done, press the 'Set button'. You can now set the time you would like the heater to switch off from Monday to Friday using the same method described above.
- Once you're done, press the 'Set button'. You can then set the temperature for Monday-Friday using the 'Up button' and 'Down button'.
- Pressing the 'Set button' will allow you to use the same process to set the time and temperature settings for Saturday and Sunday (indicated by the flashing '6' and '7' respectively).
- You can then set whether you would like your Adaptive Start on or not, along with your desired temperature using the same methods. The section titled "Adaptive Start" details how this works.
- Once this is done, you can set your favourite temperature using the 'Up' and 'Down' buttons. Press 'Set' one last time to finish your settings.

ADAPTIVE START

- When switched on, Adaptive Start switches your panel on early so that your room is up to temperature at the time you set, by measuring the room temperature 3 hours before the start time,

and calculating how long it will take the room to warm up.

- So for example, if you have set your heater to switch on at 8:00am at a temperature of 21°C using the Smart Start, it will monitor the room temperature at 5:00am.
- Let's say your room temperature at 5:00am is 14°C, it will calculate the time it takes to get your room from 14°C to 21°C, and switch the panel on accordingly. It does this by adding 6 minutes for every degree Celsius required.
- As the heater needs to raise the room temperature by 7°C (the difference between 14°C and 21°C), it will account for 42 minutes (6 minutes for every degree Celsius, which in this case is 7), therefore switching your panel on at 7:18am (42 minutes before your on time of 8:00am).
- Provided your IR Panel is on at the mains, has the red switch in the on position and the green switch in the off position, the panel and remote controller will switch on and off according to your Timer and Smart Start settings.

OPEN WINDOW MODE

- Inside the remote is an open window detection function. This is designed to minimise your energy consumption by switching your IR Panel off when it detects an open window.
- When the remote control detects a drop in temperature by 1.5°C or more within a 3 minute period, it will switch the IR Panel off – as having a heater on with an open window is incredibly inefficient.
- When the remote control detects a rise in temperature by 1.5°C or more within a 3 minute period, it will resume normal operation as a result of a closed window.

MAINTENANCE & SERVICING

1. This infrared heating panel requires no servicing, and very little maintenance.
2. When cleaning any Classic, Frameless, NXT Gen, Glass or Mirror IR Panel, you can use a damp cloth and gently wipe the surface of the panel.
3. When cleaning any Image or Custom Image IR Panel, use a dry cloth to gently wipe the surface of the panel to prevent any damage to the ink.
4. Those who aren't qualified electricians or aren't authorised by the manufacturer are forbidden to dismantle or repair the panel, otherwise it may cause fire, electric shock or other accidents.

DISPOSAL



Electrical appliances such as this infrared heater should not be disposed of with other household waste, and should be recycled at special facilities. Check with your local authorities or retailer for advice concerning disposal and recycling.

MIRRORSTONE

INFRARED HEATING



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