



# PHILIPS

**iron**  
removable water reservoir

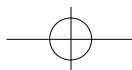
Optinox stainless steel soleplate



**HI478**



**PHILIPS**



## IMPORTANT SAFEGUARDS

When using your iron, especially when children are present, basic safety precautions should always be followed, including the following:

### Read all instructions before using.

1. Always disconnect iron from electrical outlet when filling removable water reservoir with water or emptying and when not in use. Be careful to avoid spilling water over the iron when filling reservoir.
2. Do not place or store iron where it can fall or be pulled into a tub or sink.
3. To protect against a risk of electrical shock, do not immerse the iron in water or other liquids.
4. Close supervision is necessary for any appliance being used by or near children or invalids. Do not leave iron unattended while connected or on an ironing board. Always position iron carefully to prevent it from falling off or being knocked off ironing board, or if cord is pulled. When not in ironing position, always stand iron on heel rest.
5. Use this appliance only for its intended use as described in this manual. Do not use attachments not recommended by Philips Electronics North America Corporation.
6. Do not operate this appliance if it has a damaged cord or plug, if it is not working properly, if it has been dropped or damaged, or dropped into water. To avoid the risk of electric shock, do not disassemble the iron; return the iron to the retail location where it was purchased for examination and repair. Incorrect reassembly can cause a risk of electric shock when the iron is used.
7. Do not allow cord to touch hot surfaces. Let the iron cool completely before putting away. Loop cord around cord wrap when storing.
8. When not in use, the Temperature Control should always be turned to Min position. Never yank cord to disconnect from outlet; instead, grasp plug and pull to disconnect.
9. Do not use outdoors or operate where oxygen is being administered or in the presence of explosive and/or flammable fumes.
10. Burns can occur from hot metal parts, hot water or steam. Use caution when you turn a steam iron upside down--there may be hot water in the internal reservoir.
11. The iron may be cleaned by wiping with a damp cloth. Always unplug cord from outlet and allow iron to cool before cleaning.
12. This appliance is intended for household use ONLY; it is not for commercial use or industrial use.
13. For any service issues contact the retail location where product was purchased.
14. **IRON MAY BE USED ONLY WITH ALTERNATING CURRENT (AC). NEVER PLUG IRON INTO A DIRECT CURRENT (DC) OUTLET.**

## SPECIAL INSTRUCTIONS

1. To avoid a circuit overload, do not operate another high wattage appliance on the same circuit.
2. If an extension cord is absolutely necessary, a 10-ampere cord should be used. Cords rated for less amperage may overheat. Care should be taken to arrange the cord so that it cannot be pulled or tripped over.

## SAVE THESE INSTRUCTIONS

## SPECIAL POLARIZED PLUG INSTRUCTIONS

This Philips Iron has a polarized plug for an added safety feature.

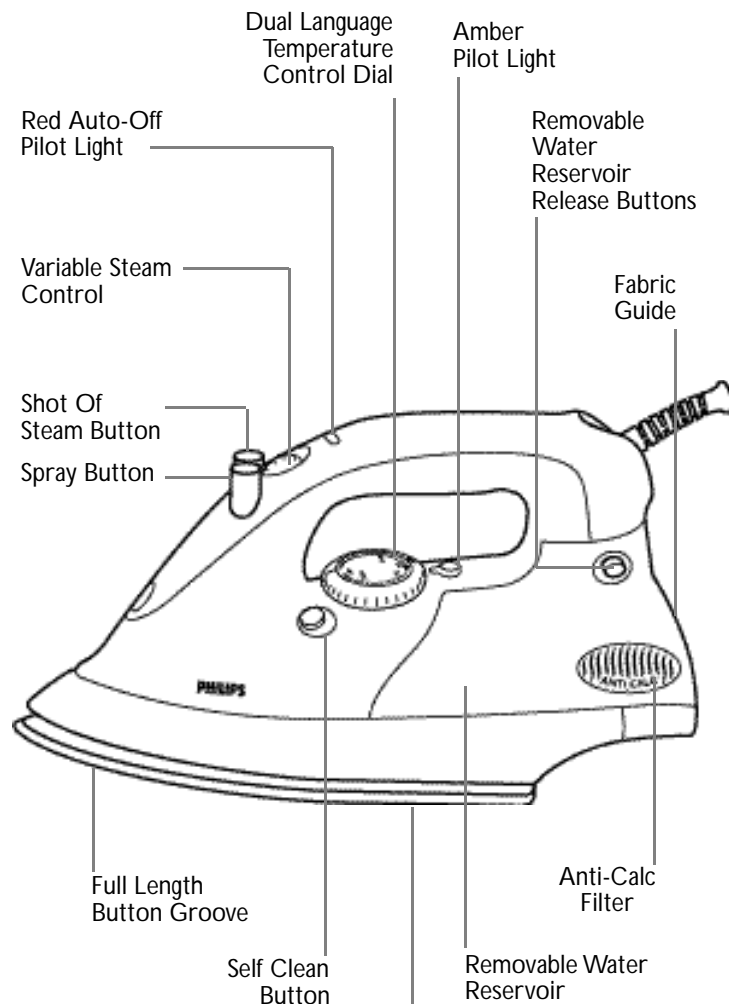
- Plug will fit into polarized outlet only one way.
- If plug does not properly fit outlet at first, reverse it.
- If plug still does not fit, contact a qualified electrician.

## DO NOT ATTEMPT TO DEFEAT THIS SAFETY FEATURE

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**Features**



• Drip Stop System  
Automatically shuts off water supply if iron is to cool to steam.

Polished Optinox Soleplate with Special 39-Vent Bell Pattern ensures optimal and even steam distribution

**IMPORTANT:**

When using your iron for the first time, you may notice a white deposit coming from the iron as it heats up. This is simply a residue left over from the final buffing of the iron soleplate. Follow the steps in "Before Using" to remove this residue.

**Before Using**

Remove any sticker or protective foil from soleplate

To ensure maximum steam performance,

• Clean any left over residue from the Steam Vents by following this procedure:

- 1 Turn Steam Control to position 0.
- 2 Fill iron (see section Filling the Removable Water Reservoir).
- 3 Plug cord into electrical outlet. Set Temperature Control to maximum setting and allow iron to heat up for approximately 2 minutes.
- 4 Turn Steam Control to position 3-4.
- 5 Hold iron over ironing board and allow to steam for 1 minute, dislodging any residue.
- 6 Iron over an old cotton towel (or other disposable non-synthetic cloth) for several minutes.
- 7 Turn Steam Control to position 0 and Temperature Control to Min setting.
- 8 Let iron cool. Clean Steam Vents.
- 9 Iron is ready to use.

**For Dry Ironing**

- 1 Plug cord into 120V AC outlet. Amber Pilot Light will glow.
- 2 Always dry iron with Steam Control set at position 0 (Dry Setting).
- 3 Be sure removable water reservoir is empty if you will be dry ironing for long periods of time.
- 4 Preheat iron for approximately 2 minutes at proper temperature setting.

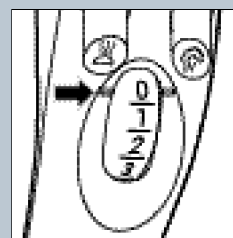
**NOTE:** Iron must be on heel rest to preheat. If left to preheat with soleplate in down position, iron will automatically shut off after 30 seconds before reaching desired temperature.

- 5 Begin ironing. When finished, stand iron in upright position on heel rest. Remove cord from electrical outlet.
- 6 Allow iron to cool completely before storing.

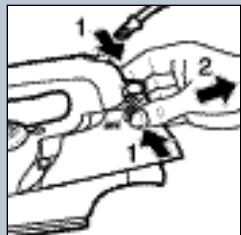
**Filling the Removable Water Reservoir**

Do not immerse the iron in water.

- 1 Unplug cord from electrical outlet.
- 2 Set the Steam Control to position 0 (= no steam).



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**3** Press and hold the removable water reservoir release buttons and remove the removable water reservoir.

**4** Open the filling cap.



**5** Pour tap water into the removable water reservoir up to the maximum level.

*Do not fill the reservoir beyond the MAX indication.*

**6** Wipe off any excess water before plugging iron into outlet.

If the tap water in your area is very hard, we advise you to mix it with an equal portion of distilled water, or to use distilled water only. *Do not use vinegar, starch or chemically descaled water.*

**7** Press to close the filling cap (click!) and put the removable water reservoir onto the iron.

### Setting the temperature

**1** Put the iron on its heel.

**2** Plug cord in electrical outlet.

**3** Set the Temperature Control to the required ironing temperature by turning it to the appropriate temperature indicator.

- Check the garment label for the required ironing temperature:
  - Synthetic fabrics (e.g. acrylic, viscose, polyamide, polyester)
  - Silk
  - Wool
  - Cotton, linen

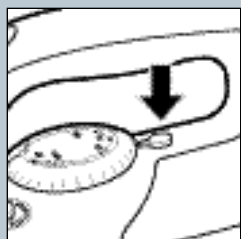
- If you do not know what kind of fabric(s) the garment is made of, try to determine the right ironing temperature by ironing a part that will be invisible when you wear the garment.

- Silk, woolen and synthetic materials: iron the reverse side of the fabric to prevent shiny spots. To prevent stains, avoid using the spray function.

- Start ironing the articles that require the lowest ironing temperature first, such as those made of synthetic fibers.

**4** Start ironing when the Amber Pilot Light has first gone out and then comes on again.

▶ *The Amber Pilot Light will come on from time to time during ironing.*



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### Steam Ironing

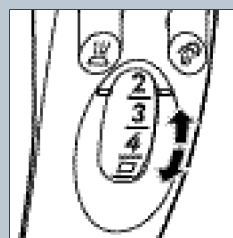
Bell Vent Pattern on soleplate steams and presses twice in one action.

Make sure that there is enough water in the removable water reservoir.

**1** Set the Temperature Control to the recommended position. See section 'Setting the temperature.'

**2** Set the Steam Control to the appropriate steam position.  
 - 1-2 for moderate steam (temperature settings ●● to ●●●)  
 - 3-4 for maximum steam (temperature settings ●●● to MAX)

▶ *Steaming will start as soon as the set temperature has been reached.*

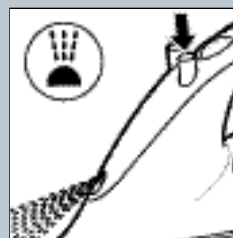


### Other features

#### Spraying

To remove stubborn creases at any temperature, make sure that there is enough water in the removable water reservoir.

**1** Press the spray button a couple of times to moisten the fabric.

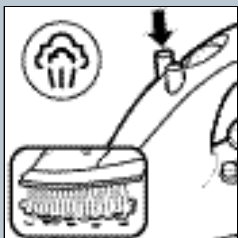


#### Drip Stop System

The Drip Stop System continuously monitors soleplate temperature and automatically shuts off water supply if iron is too cool to steam. Drip Stop System virtually eliminates water dripping from soleplate and onto your fabric.

**IMPORTANT:** The iron will automatically stop steaming at insufficient temperatures. This is due to the Drip Stop System's valve closing when the temperature of the soleplate is too cool to produce steam.

### Shot of Steam



This function can also be used when you hold the iron in vertical position. A powerful "shot" of steam helps remove stubborn creases. The Shot-of-Steam function can only be used at temperature settings between ●● and MAX.

- 1 Press and release the Shot-of-Steam button. Wait for a while before using the button again to avoid spluttering. Never direct the steam towards people.

### Anti-Calc Filter



- The built-in Anti-Calc Filter reduces deposit of scale and helps prolong life of the iron.

### Auto-off



An electronic safety device will automatically switch off the iron if it has not been moved for a while.

- To indicate that the iron has been switched off, the Red Auto-Off Pilot Light will start blinking.
- In a horizontal position, this will happen after 30 seconds.  
In a vertical position, this will happen after 8 minutes.

- To heat up the iron again:
- Pick up the iron or move it slightly.
  - The Red Auto-Off Pilot Light will go out. The Amber Pilot Light will come on.
  - When the Amber Pilot Light has gone out and comes on again, the iron is ready for use.

### Self-Cleaning

The self-clean function removes scale and impurities. Use the self-clean function once every two weeks. If the water in your area is very hard, the self-clean function should be used more frequently.

- 1 Always unplug cord from electrical outlet and set the Steam Control to position 0.
- 2 Fill the removable water reservoir to the maximum level. Do not use vinegar or other descaling agents to self clean your iron.
- 3 Plug cord in electrical outlet.
- 4 Set the Temperature Control to MAX.
- 5 Allow iron to heat up for two minutes.
- 6 Turn Temperature Control to Min and unplug iron when the Amber Pilot Light has gone out.
- 7 Hold the iron over the sink, press and hold the self-clean button and gently shake the iron.
  - Steam and boiling water will come out of the soleplate. Impurities and scale (if any) will be flushed out.
- 8 Release the self-clean button as soon as all the water in the reservoir has drained out.



Repeat the self-cleaning process if the iron still contains a lot of impurities.

After self-cleaning

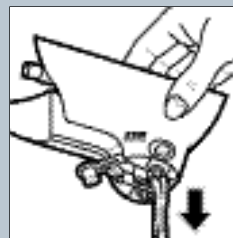
- Plug in the iron and reheat for 2 minutes. This will enable interior of the iron to dry before storing.
- Unplug the iron when the Amber Pilot Light has gone out.
- Move the hot iron gently over a piece of used cloth to remove any water stains that may have formed on the soleplate.
- Let the iron cool down completely before you store it.

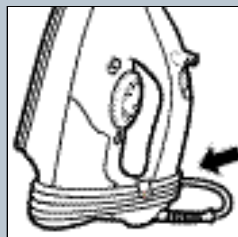
### Maintenance and Storage

- 1 Set the Temperature Control to Min position. Unplug cord from electrical outlet and let the iron cool down completely.
- 2 Wipe scale and any other deposits off the soleplate with a damp cloth and a non-abrasive (liquid) cleaner.

Keep the soleplate smooth: avoid hard contact with metal objects.

- 3 Regularly rinse the removable water reservoir with water. Empty the removable water reservoir after cleaning or before storing.





**4** Loop cord around cord wrap when storing.  
Always store the iron standing on its heel in a safe dry place.

**5** To clean body of iron, use mild detergent and soft cloth only. Never use harsh household cleansers, abrasive cleansers or scouring pads to clean iron housing – scratching/fading of housing colors may occur.

To clean and maintain polished Optinox soleplate

- 1** On a soft cloth, make a thin paste of abrasive household cleaner and water. Gently rub surface of soleplate to remove starch or residue build-up.
- 2** Fill iron with water (see Section Filling the Removable Water Reservoir).
- 3** Set Temperature Control to maximum setting.
- 4** Allow iron to heat up approximately 2 minutes.
- 5** Turn Steam Control to position 4 (MAX) and allow iron to steam for a few minutes.
- 6** Iron over old cotton cloth to remove paste/cleanser from iron bottom and steam vents.
- 7** Turn Temperature Control to Min position and allow to cool completely. Unplug cord from electrical outlet and empty removable reservoir.
- 8** Should soleplate become scratched, most minor scratches can be removed using fine steel wool. After buffing, follow steps 2-6 before ironing on garments.
- 9** Wipe soleplate clean.

**Temperature and Fabric Guide**

Follow garment label instructions for best ironing results. Test iron temperature setting on an inside or small hidden section of garment before ironing.

Fabric guide located on the heel rest of iron gives temperature settings for most common fabrics.

TEMP CONTROL SETTING	STEAM SETTING	FABRIC	IRONING INSTRUCTIONS
Min	0= Dry Iron Only	Acetates Acrylics Acrilan* Creslan* Orlon* Sheer Synth Suede Ultrasuede Nylons Antron* Caprolan* Qiana*	Turn Temperature Control to section marked Min. Start at the beginning of Min section and slowly increase temperature setting as needed to reach proper temperature.  Iron delicate fabrics on wrong side to avoid shining or glazing. If moisture is necessary, use a press cloth and MED setting.  When pressing suede, use brown paper as press cloth and to cover ironing board. This will help prevent suede from rubbing off.  When pressing Ultrasuede* use a press cloth and press lightly on wrong side. Brush fabric lightly to remove press marks.
		Triacetates Arel*	When pressing some triacetates, a higher heat setting may be required. Slowly increase temperature as needed to reach proper temperature.
Lo (•)	0= Dry Iron Only	Metallics Polyesters Dacron* Fortrel* Kodel* Trevira* Rayon Silk	Turn Temperature Control to section marked LO/MED (•). Start at the beginning of the LO/MED section for lightweight 100% synthetic permanent press fabrics. Some heavier polyester fabrics may require steam at positions 1 (LO) or 2 (MED) setting. Some durable silk fabrics may require a higher heat setting. Slowly increase setting as needed to reach proper temperature.
Med	Pos. 1= (LO) or Pos. 2= (MED)		
		Perm Press Polyester Cotton	Turn Temperature Control to section marked MED (••). Turn Steam Control to Position 2 (MED). Most permanent press blends containing cotton require this setting. Test iron on inside seam or small hidden section of garment. If shine or color change occurs, use a press cloth.
		Wool Cotton	Turn Temperature Control to section marked HI (•••). Turn Steam Control to Position 3 (HI).  When ironing wool, always use a press cloth and moisture. Never press wool dry.
		Linen	Turn Temperature Control to maximum setting. Turn Steam Control to position 4 (MAX). Lightly dampen fabric for thorough pressing. Iron dark colored fabrics on the wrong side to avoid shining.
	Pos. 4= (MAX)		

Ironing velvet or any other nap/sensitive fabric is not recommended. Be sure to check manufacturers label for care instructions.

\*Trademarks of fiber manufacturers.



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Problem	Possible cause(s)	Solution
No steam	Not enough water in the removable water reservoir.	Fill the removable water reservoir (see Filling the removable water reservoir).
	The steam control has been set to position 0.	Set to steam position (see Steam ironing).
	The iron is not hot enough and/or Drip Stop System is activated.	Set the temperature control to the steam area (●● to MAX). Put the iron on its heel and wait until the Amber Pilot Light has gone out before you start ironing.
No Shot of Steam	The Shot of Steam function has been used too often within a very short period.	Put the iron in horizontal position and wait for a while before using the Shot of Steam function again.
The iron is plugged in but the soleplate is cold.	The Auto-Off function has been activated.	Move the iron slightly and the iron will start heating up again.
	Connection problem.	Check the cord, the plug and the electrical outlet.

**For assistance**

For assistance call toll free:

**1-800-243-7884**  
or visit our website: [www.philipsonline.com](http://www.philipsonline.com).

**FULL ONE YEAR WARRANTY**

Philips Electronics North America Corporation warrants each new Philips product, model HI478 (except cord), against defects in materials or workmanship for a period of one year from the date of purchase.

**IMPORTANT:** This warranty does not cover damage resulting from accident, misuse or abuse, lack of reasonable care, the affixing of any attachment not provided with the product or loss of parts or subjecting the product to any but the specified voltage.\*

**PHILIPS ELECTRONICS NORTH AMERICA CORPORATION WILL NOT PAY FOR UNAUTHORIZED SERVICE OF ANY TYPE.**

**NO RESPONSIBILITY IS ASSUMED FOR ANY SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES.**

In order to address warranty issues, simply take or ship the product back to the retail location where it was purchased.

\* Read enclosed instructions carefully.

Manufactured for:  
Norelco Consumer Products Company  
A Division of Philips Electronics North America Corporation  
1010 Washington Blvd., Stamford, CT 06912-0015

For Assistance call 1-800-243-7884

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