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**Philips HX6857/32**

# Philips Sonicare ProtectiveClean 5100 Electric Toothbrush User Manual

MODEL: HX6857/32

## 1. Product Overview

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The Philips Sonicare ProtectiveClean 5100 electric rechargeable toothbrush is engineered to significantly improve gum health, offering up to 100% better results than a manual toothbrush. It incorporates a pressure sensor to safeguard your teeth and gums from excessive brushing force. The innovative BrushSync technology monitors brush head usage and brushing intensity, providing timely reminders for replacement. Users can personalize their brushing experience with three distinct modes: Clean, White, and

Gum Care. An Easy-Start feature gradually increases brushing power, easing the transition to sonic brushing, while the Smartimer encourages a full 2-minute brushing cycle as recommended by dental professionals. The battery charge indicator light signals when recharging is necessary, with a typical battery life of two weeks.

Key features include:

- Up to 62,000 brush movements per minute for effective cleaning.
- Customizable brushing experience with Clean, White, and Gum Care modes.

## 2. Package Contents

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The Philips Sonicare ProtectiveClean 5100 kit typically includes the following items:

- 1 Philips Sonicare ProtectiveClean 5100 Handle
- 1 Optimal Gum Care Brush Head
- 1 Charger
- 1 Travel Case

## 3. Setup

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### 3.1 Charging the Toothbrush

Before initial use, fully charge your Philips Sonicare ProtectiveClean 5100 for a minimum of 24 hours. Place the toothbrush handle securely onto the charger base. The battery indicator light will flash to signify that charging is in progress. Once fully charged, the light will glow solid green. A complete charge typically provides approximately two weeks of regular use, based on brushing twice daily for two minutes per session.

### 3.2 Attaching the Brush Head

Align the brush head with the front of the toothbrush handle. Gently push the brush head down onto the metal shaft until it is firmly in place. A small gap between the brush head and the handle is normal and essential for the proper vibration of the brush head.

## 4. Operating Instructions

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### 4.1 Powering On/Off

Press the power button located on the handle to turn the toothbrush on or off.

### 4.2 Brushing Modes

Your ProtectiveClean 5100 offers three distinct brushing modes. After turning the toothbrush on, press the mode button (or repeatedly press the power button, depending on your model) to cycle through the available modes:

- **Clean:** Standard mode for superior everyday cleaning.
- **White:** Designed to remove surface stains and whiten teeth.
- **Gum Care:** Provides a gentle massage for gums, ideal for improving gum health.

### 4.3 Pressure Sensor

The toothbrush is equipped with a built-in pressure sensor. If you apply excessive pressure while brushing,

the handle will alter its vibration pattern, and a dedicated pressure sensor light (if present on your model) will illuminate. Reduce pressure immediately to prevent potential damage to your gums and teeth.

#### 4.4 Smartimer and QuadPacer

The **Smartimer** automatically turns off the toothbrush after 2 minutes of brushing, aligning with the duration recommended by dental professionals. The **QuadPacer** feature provides a short signal every 30 seconds, prompting you to move to the next quadrant of your mouth. This ensures a thorough and balanced cleaning of all areas.

### 5. Maintenance

#### 5.1 Cleaning the Toothbrush

After each use, rinse the brush head and its bristles thoroughly under running water. Wipe the toothbrush handle with a damp cloth. **Do not immerse the charger in water.**

#### 5.2 Brush Head Replacement

Your Philips Sonicare ProtectiveClean 5100 utilizes BrushSync technology, which tracks the duration of brush head use and the pressure applied during brushing. A brush head replacement reminder light will illuminate, and the handle will emit a beep to indicate when it is time to replace your brush head. This typically occurs every 3 months, or sooner if the bristles show visible signs of wear.

#### 5.3 Battery Care

To optimize battery longevity, it is recommended to fully discharge the battery every 6 months by using the toothbrush until it completely stops. Afterward, recharge it for a full 24-hour cycle.

### 6. Troubleshooting

#### 6.1 Toothbrush Not Turning On

- Ensure the toothbrush is fully charged.
- If the issue persists, try cleaning the charging contacts on both the handle and the charger base.

#### 6.2 Reduced Vibration or Power

- Verify that the brush head is securely attached to the handle.
- Confirm that the battery is adequately charged.
- If the problem continues, the brush head may be worn out and require replacement.

#### 6.3 Pressure Sensor Constantly Activating

- Adjust your brushing technique to apply less pressure. The sensor is designed to protect your gums from aggressive brushing.

### 7. Specifications

Product Dimensions	2.56 x 6.81 x 9.33 inches
Weight	1.06 Pounds
Model Number	HX6857/32

<b>Batteries</b>	1 Lithium Ion battery (included)
<b>Power Source</b>	Battery Powered
<b>Special Features</b>	Brushing Timer, Customizable Modes, Pressure Sensor
<b>Item Firmness Description</b>	Soft
<b>Brush Movements</b>	Up to 62,000 brush movements/minute
<b>Battery Life</b>	Up to 2 weeks (based on 2x daily, 2-minute brushing)

## 8. Warranty and Support

This Philips Sonicare product is covered by a manufacturer's warranty. For comprehensive warranty details, product support, or service inquiries, please consult the documentation provided within your product packaging or visit the official Philips Sonicare website. It is advisable to retain your proof of purchase for any potential warranty claims.