

# PHILIPS

## sonicare

Sonic electric  
toothbrush

ProtectiveClean  
4500

Built-in pressure sensor

2 cleaning modes

1 x BrushSync feature



HX6837/24



## Whiter teeth. Gently does it.

Whitens teeth in just 1 week.

Feel the difference of a gentle clean with our Pressure Sensor while whitening your teeth in 1 week.

#### **Proven to improve oral health**

- Whitens teeth in just one week
- Safe & gentle on sensitive areas, orthodontics & dental work

#### **Optimize your brushing**

- Clean and white mode

#### **Innovative technology**

- Lets you know when you're pressing too hard
- Connects smart brush handle and smart brush heads
- Always know when to replace your brush heads
- Philips Sonicare's advanced sonic technology

#### **Designed around you**

- Encouragement to brush thoroughly
- A great way to get used to your new toothbrush

# Highlights

## Naturally whiter teeth



Click on the W2 Optimal White brush head to remove surface stains and reveal a whiter smile. With its densely packed central stainremoval bristles, it's clinically proven to whiten teeth in just one week.

## Clean and white mode



Whether you want to focus on removing plaque or on giving your teeth an extra good polishing, this whitening electric toothbrush has got you covered. Clean mode delivers superior cleaning, and White is ideal for removing surface stains.

## Safe and gentle



You can be sure of a safe brushing experience: our sonic technology is suitable for use with braces, fillings, crowns, and veneers, and helps prevent cavities and improve gum health.

### Too much pressure?

You may not notice if you're brushing too hard, but your electric toothbrush with pressure sensor will. If you start taking it out on your gums, the toothbrush will make a pulsing sound as a reminder to ease off on the pressure.

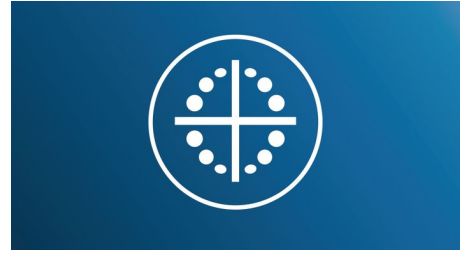
### BrushSync technology

Philips Sonicare 4500 has a microchip-enabled technology that detects and synchronizes the smart brush head with the smart handle. The smart handle and smart brush head pair is a powerful combination that enables Smart replacement reminders.

### BrushSync replacement reminder

All brush heads wear out over time. But our BrushSync technology tracks how long you've been using your brush head for, and how hard you've been brushing. When it's time to replace it, a light on your handle and a short beep will let you know. That way, you can be sure your brush head is doing a good job.

## Helpful timers



Need an electric toothbrush with a timer? Our QuadPacer lets you know when you've spent just the right amount of time cleaning each part of your mouth, while our Smartimer tells you when you've brushed for the recommended two minutes.

## Philips Sonicare technology



Philips Sonicare's advanced sonic technology pulses water between teeth, and its brush strokes break up plaque and sweep it away for an exceptional daily clean.

### Easy-start program

Starting something new can take getting used to. That's why our easy-start program gives you the option of a gradual, gentle increase in brushing power the first 14 times you use your new Philips Sonicare ProtectiveClean 4500 toothbrush.

# Specifications

## Modes

**Clean:** For exceptional everyday clean

**White:** Removes surface stains

## Items included

**Handle:** 1 ProtectiveClean

**Brush heads:** 1 W2 Optimal White

**Charger:** 1

## Design and finishing

**Color:** White and Mint

## Cleaning performance

**Speed:** Up to 62000 brush movement/min

**Health benefits:** Helps reduce cavities

**Whitening benefits:** Whitens teeth in 1 week

**Pressure feedback:** Vibrates handle to alert user

**Timer:** Quadpacer and SmarTimer

## Smart sensor technology

**Pressure sensor:** Alerts when brushing too hard

**BrushSync Replacement Reminder:** Always know when to, replace brush heads

## Ease of use

**Handle compatibility:** Easy click-on brush heads

**Replacement reminder:** To always ensure best results, reminder icon lights up

**Battery indicator:** Light shows battery status

**Handle:** Slim ergonomic design

**Brushing time:** Up to 2 weeks

## Technical specifications

**Battery:** Rechargeable

**Battery type:** Lithium ION

**Operating time (full to empty):** Up to 2 weeks

## Power

**Voltage:** 110-220 V

## Service

**Warranty:** 2-year limited warranty

