

# PHILIPS

## sonicare

Sonic electric  
toothbrush

ProtectiveClean  
4500

Smart brush head sensors

Pressure sensor

2 modes

2 handles



HX6829/82



## Healthier gums. Gently does it.

Improve gum health up to 100% more than a manual

Feel the difference of a gentle clean with our Pressure Sensor while improving your gum health up to 100% more vs a manual toothbrush

### Provides a superior clean

- Remove up to 7x more plaque with our InterCare brush head\*

### Optimize your brushing

- Clean and gum care mode
- Lets you know if you're pressing too hard
- Easy start program builds your Philips Sonicare routine
- Encouragement to brush thoroughly
- Always know when to replace your brush heads
- Makes traveling easier for you
- Safe & gentle on sensitive areas, orthodontics & dental work
- Our unique technology brings you a powerful yet gentle clean

# Highlights

## Remove up to 7x more plaque



Click on our InterCare brush head to improve gum health in just 2 weeks. Extra-long bristles help remove more plaque in hard-to-reach spots and between teeth for healthy gums.

## Clean and gum care mode



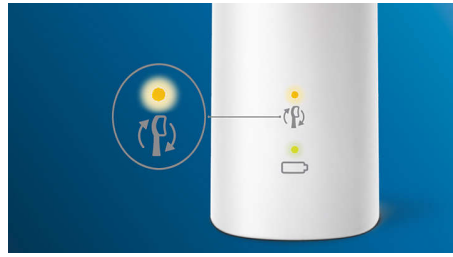
Whether you want to focus on removing plaque or on getting your gums healthy and keeping them that way, this brush has a mode for you: Clean mode delivers superior cleaning, while Gum Care mode adds an extra minute of reduced-power brushing, so you can gently massage your gums.

## Monitor your brushing pressure



Brushing too hard can damage your teeth and gums. To prevent this, your Philips Sonicare ProtectiveClean emits a gentle pulsing sound to remind you to ease off the pressure.

## 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.

## Handy travel case and charger



Our premium travel case lets you store your toothbrush hygienically, while our compact charging base keeps you topped up when you're on the go. You do get two weeks of regular use from a single full charge, but the charger's just the ticket for longer trips.

## 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.

## Ease into your new routine



Starting something new can take some getting used to. Our easy-start program gives you the option of a gradual, gentle increase in brushing power with the first 14 uses with your new toothbrush.

## Philips Sonicare technology



Powerful sonic vibrations whip up your toothpaste into plaque fighting bubbles, and drive them deep between your teeth and along your gum line. At the same time your teeth will experience 62,000 gentle but effective brush movements. You'll get a month's worth of manual brushing in just 2 minutes.

## 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.

# Specifications

## Power

**Voltage:** 110–220 V

## Technical specifications

**Battery:** Rechargeable

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

**Battery type:** Lithium ION

## Design and finishing

**Color:** Deep pink, White and Light Blue

## Service

**Warranty:** 2-year limited warranty

## Ease of use

**Battery indicator:** Light shows battery status

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

**Handle:** Slim ergonomic design

**Brushing time:** Up to 2 weeks

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

## Items included

**Charger:** 2

**Travel case:** 2

**Handle:** 2 ProtectiveClean

**Brush heads:** 3 InterCare standard

## Cleaning performance

**Health benefits:** Up to 7x healthier gums\*\*\*\*, Improves gum health in only two weeks, Helps reduce cavities

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

**Timer:** Quadpacer and SmarTimer

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

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

## Modes

**Clean:** For exceptional everyday clean

**Gum Care:** Gently massages gums

## Smart sensor technology

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

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

