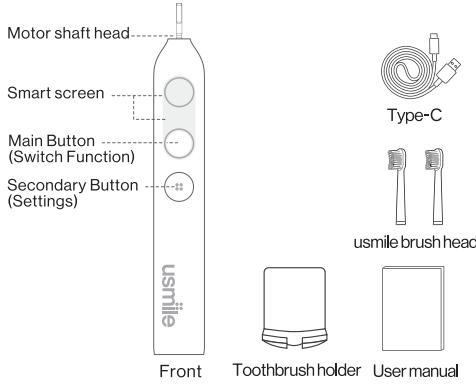


## Description of Parts

1. After installing the brush head, there will be a 0.5mm to 1mm gap between the base of the brush head and the top of the handle to ensure proper vibration.  
 2. Activation: Press and hold the main button for 2s to activate for the first time.  
 3. Mode Switching: Within 4s of vibration, short press the main button to switch modes.  
 4. Pause: After running for 4s in any mode, pressing the main button will pause brushing.  
 5. Screen Timeout: After brushing ends, the screen will automatically turn off after 10s of inactivity.  
 Dimensions: 26.8mm x 27.8mm x 251.5mm (including brush head)



## Safety Precautions

In order to avoid hazards, such as faults, electric shocks, bodily injury, fire and equipment or property damage, please observe the following safety precautions:  
 1. This appliance can be used by children aged from 8 years and above and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved. Children shall not play with the appliance. Cleaning and user maintenance shall not be made by children without supervision.  
 2. This product must only be supplied at safety extra low voltage corresponding to the marking on this product.  
 3. Do not expose the appliance or battery to excessive temperatures; Be aware of the risk of terminals of the battery-operated appliance or battery being short circuited by metal objects.  
 4. This appliance contains batteries that are only replaceable by skilled persons.  
 5. Do not disassemble this product unless for disposal; Disconnect the power supply before removing battery; Exhaust battery power before disassembling; Use proper tools when disassembling the plastic case to avoid damaging the battery or causing a short-circuit; After removal, cut the battery wire(s) and put the battery into the proper environmental receptacle for safe processing.  
 6. This product contains a built-in rechargeable battery. Do not place into fire, sunlight, expose it to high temperatures, or charge within a humid area. It could lead to battery leakage, overheating, and/or an explosion; Once charging is complete, detach charging cable and cut off power.  
 7. Do not modify, repair, or disassemble this product by yourself. Do not use this product while bathing, showering, or in a sauna. While charging, ensure that the charging cable and device charging interface stays dry and clean. Do not attempt to remove stains or impurities as it could compromise the safety of the charging process.  
 8. Consult your dentist before using this product if you have severe periodontitis, are undergoing dental treatment, or are experiencing oral discomfort; People using orthodontics, have had dental work, or tooth implants should listen to their dentist.  
 9. When beginning to use this product, slight bleeding of the gums could occur while they become accustomed to the cleaning process. It should resolve within one to two weeks. Bleeding that persists for more than two weeks can indicate gum abnormalities. In that case, discontinue use of product and consult with your dentist.  
 10. Check for signs of damage before using this product. If it is broken, cracked, rusted, etc. please stop using it at once. If the power plug or cord is damaged, please replace it before using.

11. This product is designed for cleaning your mouth. Do not use it for any other purpose. If you feel discomfort or pain during use, please discontinue use and consult your dentist immediately.

12. This product complies with electromagnetic device safety standards. For any questions related to pacemakers or other implanted devices, consult your physician or the device's manufacturer before using.  
 13. Keep this product out of the reach of children and infants. This product has small parts such as the "Brush Head Cover" that should not be swallowed. When using the product new or when replacing the brush head, discard the brush head cover.  
 14. Use a power supply with an output of no more than 15W under normal or abnormal working conditions.  
 Reminder: All images of products, parts and user interfaces in this manual are for illustration and reference purposes only. The actual product may vary in the event of product updating and upgrading.

### Electromagnetic fields (EMF)

#### ELECTROMAGNETIC COMPATIBILITY

This device complies with all standards regarding electromagnetic fields. It is safe to use if handled properly according to the instructions provided in this manual. If you have a pacemaker or any other implanted device, consult your physician and the device manufacturer prior to use.

### Brushing Procedure



Please brush your teeth properly. It is advised that you keep an angle of 45° between the bristles and the surface of your teeth when cleaning the outside and inside of your teeth for more effective cleaning.



Recommendation: Divide the brushing surface into 6 zones and follow the on-screen guide for sequential brushing.

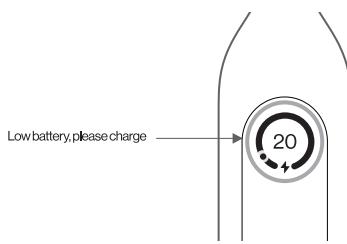
- Default Language:** English. Short press the main button to cycle through the three system languages (English, Spanish, Simplified Chinese). After selecting the desired language, press and hold the main button to confirm. The "✓" icon indicates a successful setting.
- Custom Smart Mode:** Short press the main button to switch intensity. Press and hold the main button to select intensity. The "✓" icon indicates successful customization.
- Start Brushing:** After completing the initial setup, short press the main button to start brushing.
- Pause Brushing:** After running for 4s in any mode, pressing the main button will pause brushing.
- Mode Switching:** After the toothbrush vibrates, short press the main button within 4s to switch between Smart Mode, Cavity Prevention Mode, Coffee Stain Removal Mode, Dual Morning & Night Mode, and Gum Sensitivity Mode.
- Brushing Status Notification:** After brushing ends, the screen will display brushing data for reference.
- Power Off:** The toothbrush will automatically turn off the screen after 10s of inactivity.

## Brushing Modes

- Smart Mode:** Intelligent cleaning that adapts to your oral needs for an optimized brushing experience.
- Cavity Prevention Mode:** Targets high-risk areas for cavities with enhanced cleaning, ideal for those who frequently consume sweets.
- Coffee Stain Removal Mode:** Identifies areas prone to discoloration and provides powerful stain removal.
- Dual Morning & Night Mode:** Morning Mode: Focuses on efficient cleaning to save brushing time.
- Night Mode:** Provides deep cleaning to remove bacteria accumulated throughout the day.
- Gum Sensitivity Mode:** Gentle cleaning to minimize irritation for sensitive gums.

## Battery Status and Charging

This product has been charged before leaving the factory, so you can start using it immediately. When the charging icon appears, indicating low battery, please charge in a timely manner. Charging time is about 4-5 hours.



## Environmental Responsibility

The usmile electric toothbrush contains a rechargeable lithium battery. When disposing of the toothbrush, do not mix it with regular household waste. Follow your local electronic waste regulations for proper disposal and battery recycling.

Warning: Ensure the battery is fully depleted before removing it.

## Product Information

Product Name: Y20 PRO Smart Electric Toothbrush  
 Brand name: usmile Product model: Y20 PROS  
 Rated input power: 5W Rated input: 5V= 1A  
 Water & Dust Resistance: IP68  
 Battery specification: 2500mAh  
 Manufacturer: Guangzhou Stars Pulse Co., Ltd.  
 Customer service contact: service@usmile.com  
 Made in China

## Faults and Processing Methods

Faults	Possible Reasons	Solutions
Failure to turn it on by pressing the ON/OFF button.	The product is in the charging protection status. The battery is too low.	Stop charging it Connect to the power cable to charge the product.
Failure to insert the brush head into the drive shaft	There is foreign matter in the jack. There is foreign matter on the drive shaft.	Use a tool to take the foreign matters out of the jack. Clean the drive shaft.
The brush head isn't attached in place.	The brush head isn't a usmile product.	Replace it with a compatible usmile brush head.
The brush head vibrates weakly	There is foreign matter between the brush head and the brush holder.	Reattach the brush head.
The battery indicator isn't on during charging.	The power connection is abnormal.	Get the brush head out to remove the foreign matters.
The product functions for a very short time after charging.	The environmental temperature is too low.	Properly connect the power cord.
The charging time is too short.	The charging time is too short.	Charge the product.
The product doesn't turn on.	The battery is low.	Charge the product.

## ISED Requirement

This device contains licence-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's licence-exempt RSS(s). Operation is subject to the following two conditions:

- (1) This device may not cause interference.
- (2) This device must accept any interference, including interference that may cause undesired operation of the device.

L'émetteur/récepteur exempt de licence contenu dans le présent appareil est conforme aux CNR d'Innovation, Sciences et Développement économique Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes:

- 1) L'appareil ne doit pas produire de brouillage;
- 2) L'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible de compromettre le fonctionnement.

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

Cet émetteur ne doit pas être co-localisé ou fonctionnant en conjonction avec une autre antenne ou un autre émetteur.

The device meets the exemption from the routine evaluation limits in section 2.5 of RSS-102 and compliance with RSS-102 RF exposure, users can obtain Canadian information on RF exposure and compliance.

Le dispositif rencontre l'exemption des limites courantes d'évaluation dans la section 2.5 de RSS 102 et la conformité à l'exposition de RSS-102rf, utilisateurs peut obtenir l'information canadienne sur l'exposition et la conformité de rf.

This equipment should be installed and operated with a minimum distance of 20 centimeters between the radiator and your body.

Cet émetteur ne doit pas être co-placé ou fonctionnant en même temps qu'aucune autre antenne ou émetteur. Cet équipement devrait être installé et actionné avec une distance minimum de 20 centimètres entre le radiateur et votre corps.

The device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction.

Le matériel a été évalué pour répondre aux exigences générales d'exposition aux radiofréquences. Le dispositif peut être utilisé dans des conditions d'exposition portables limitées.