

# Grush Smart Toothbrush User Guide

## 10/2016 Rev 3.0

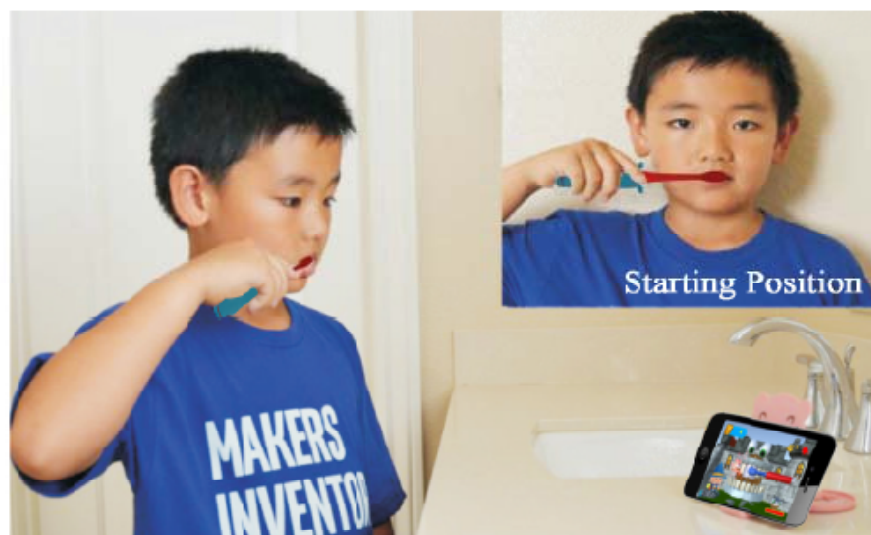


Figure 1. Grush gaming setup and Grush Starting Position (inserted image)



Figure 2. Grush Brush Layout

### **READ THIS FIRST**

- Whether right or left-handed, please keep the handle of brush horizontal and matching the position of the virtual brush in the game when the game starts.
- Make sure Bluetooth is enabled on your smartphone/tablet. If a pop up appears on your device requesting to pair with Grush, please accept.
- Each time (including the first time) you insert a new battery, the light under the button will go on. After replacement, PLEASE lay Grush down flat with the bristles facing up until the light goes off. This is a one-time calibration that only needs to be repeated when the battery is replaced / removed.
- Grush is motion activated and will turn on automatically when picked up. When Grush is motionless for over one minute, it will go to sleep and the LED will be turned off automatically.
- The brush motor (Sonic Vibration) can only be activated when Grush is in the starting position! The Starting position is when the Grush is held horizontal with the bristles across the two front teeth. See Figure 1 (Inserted image)
- Please look at the game screen during brushing. Do not change the position of the screen relative to your head once you start.

## Grush Setup Instructions

01. Pull outward to remove the battery cover.



02. The positive pole of the battery faces the toothbrush head position and the negative level faces the bottom cap position.



03. Replace battery cover firmly. Make sure there is no gap between the cover and brush body.

04. The toothbrush will automatically start, the button does not light up display.



05. When you first use the Grush or replace the battery, the Grush must be put still on a flat surface with the bristles facing up, until the yellow light turns off. This step helps the Grush calibrate and be more accurate. During daily use, if you find the virtual brush in the game is moving slowly on its own, even if the Grush is still, repeat this step to recalibrate Grush.

06. Minimum Device Requirements: Android 4.3 or above smartphone or tablet. iPhone 4s and above, iPad Air/Mini and above is required.

07. Visit [www.GrushGamer.com](http://www.GrushGamer.com) or Google Play or Apple App Store to download and install the "Grush Toothy Castles" game.

08. Secure the device using a phone holder on a flat surface and keep head level while brushing.

09. Ensure that Bluetooth is enabled in your mobile device settings.

10. Launch the game "Grush Toothy Castles and Select Play to start a new game. You can also select the "Tracking" option to view detailed brushing data from the previous brushing session. (See Figure 3)



Figure 3. Toothy Castles Main Menu

11. Select Play. Place the Grush in the starting position horizontally with the brush head across the two front teeth and the bristles facing the front teeth. This is the "Starting Position". Push the Home button on the Grush, the brush will vibrate and the game will start.

\* Note you must hold the brush in the starting position for the game to start. Otherwise, the motor will not start. See Figure 1 (inserted image)

12. The game will now start. Use the Grush to control the virtual brush in the game, follow the monsters as they guide where to brush, and brush them away, as shown in Figure 4.

13. When the game is done, push the home button to turn off the motor. Lay the Grush on a flat surface with the bristles facing up. When the Grush is motionless for one minute, it will turn off automatically.





Figure 4. Main Game Screen

## Dental Recommendations for Brushing with Grush

- Hold the brush horizontally while brushing to increase the brushing area and tracking accuracy.
- Brush along the surface of the teeth and follow the curvature of your mouth.
- Grush is a sonic toothbrush. Put the brush head on the tooth you want to brush. You can use short vertical strokes while brushing to increase brushing efficiency.
- Follow the monsters across the upper teeth, covering the front, sides, biting surfaces, and inside surface and use short strokes to get them. Repeat for the bottom teeth.

14. Grush comes with a Tracking feature for parents to track brushing results. When the game is complete, you can select the tracking option, or access the tracking screen for the previous session directly from the main menu.

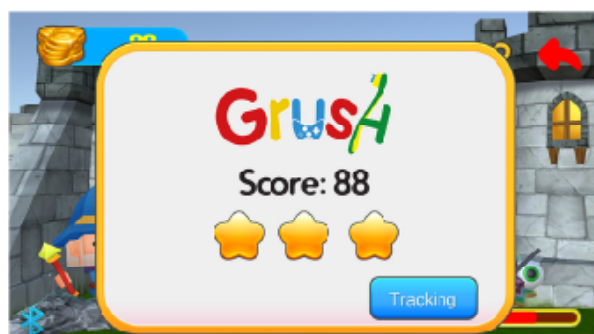


Figure 5. Brushing Session Score with Tracking Button

15. The "Tracking" screen displays brushing data for each surface of every tooth. This data is for the most recent brushing session. Brushing data is shown in the color coded teeth model. Green areas are the regions being properly brushed. Yellow areas are the tooth surfaces that need more brushing. Red areas are problematic and require more attention. Parents should remind children to pay more attention to brushing the red areas. Select "Return" to go back to the main menu.



Figure 6. Tracking Screen

## Additional Notes

### Grush Package Contents

If any items are missing, please contact Grush at 1-877-20-GRUSH



- GRUSH Sonic Smart Toothbrush
- 2 DuPont Nylon bristle Brush head (lasts three months each)
- AA Battery
- Suction tray
- User Manual

Figure 7. Grush Packaging

### Toothbrush tray mount to use



- 1) The suction tray mount on glass or ceramic tile in the bathroom;
- 2) Put the toothbrush on the suction tray.

**Note:** Please do not put the phone or tablet directly on the suction tray, to prevent damage when the suction is not enough support mobile phone or tablet

### Bluetooth Connection Tips

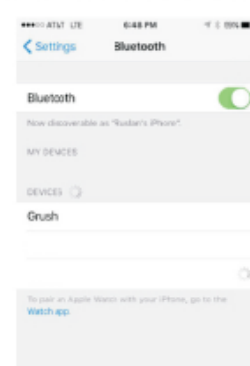


Figure 8. Bluetooth Settings

1. Grush uses the latest Bluetooth standard (BLE Bluetooth Low-Energy, Bluetooth SMART, BT4.0) Compatible mobile devices include those with Android 4.3 and above, iPad Air/Mini and above, and iPhone 4s and above.
  - Make sure Bluetooth is turned on in your device settings
2. You may need to pair the Grush through a pop-up screen or by checking the pull down notification menu on your Android phone for pairing alerts. If you still cannot connect, please try the following:
- Close and restart the game
  - Turn off, and re-enable Bluetooth in your mobile device settings.
  - Restart your phone to clear the Bluetooth device cache.
  - Reinsert the battery into the Grush. Please repeat step 5 by putting Grush flat with the bristles facing up on stable surface until the light turns off, and retry.

### Replacing the brush head

Grush comes with two replaceable brush heads. Dentists recommend you replace your brush head once every three months. To replace, hold the handle of the Grush with one hand, hold the brush head with another hand to remove. You can now install the new brush head. You may want to replace the AA battery at this same time since the battery lasts about three months as well.



Figure 9. Brush head replacement

### Battery Information

- When replacing the battery, be sure to install the battery cover back tightly to avoid water damage.
- Install only new batteries in Grush
- For best results, use type AA Alkaline Batteries
- Failure to insert battery in the correct polarity, as indicated, may shorten the life of the batteries or cause batteries to leak.
- Do not dispose of batteries in fire.
- Batteries should be recycled or disposed of as per state and local guidelines.

### Contact:

**Grush, Inc.**

Address: 4500 Great America Pkwy, Santa Clara, CA 95054

Website: [www.GrushGamer.com](http://www.GrushGamer.com)

Support Phone number: 1-877-20-GRUSH (1-877-204-7874)

Support Email: [support@grushgamer.com](mailto:support@grushgamer.com)

### **FCC Statement**

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

To assure continued compliance, any changes or modifications not expressly approved by the party.

Responsible for compliance could void the user's authority to operate this equipment. (Example- use only shielded interface cables when connecting to computer or peripheral devices).

This equipment complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

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

RF warning statement:

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