

### What is AcceleDent?

AcceleDent is a product that is used in conjunction with braces or aligners to reduce your amount of orthodontic treatment time. AcceleDent enhances the forces of braces or aligners onto your teeth by using a pulsating force that increases bone remodelling which speeds up tooth movement.



### How does it work?

To explain how AcceleDent works we need to understand how braces and aligners work. Teeth are positioned in a bony socket supported by ligaments and covered in gum tissue. The pressure that is applied on your teeth by braces or aligners stretches the ligaments on parts of your teeth and compresses opposite parts. These forces lead to activation of bone cells and allow them to take away tiny amounts of bone so that the teeth can be moved into the desired position. This is known as bone remodelling.

The pulsating action of AcceleDent on teeth their surrounding ligaments and bones increases the cellular response that controls bone remodelling. This type of technology has been used in medicine for many years, to increase bone strength and aid healing of fractures in long bones, and to improve bone density.

### How do I use it?

Insert the mouth piece into the activator and turn on, place the AcceleDent device in your mouth and lightly bite down onto the mouthpiece to hold in place. Hard biting or holding onto the activator is not needed. It is recommended that AcceleDent is used daily for twenty minutes or for two ten minute sessions. It is not advisable to increase its use past twenty minutes.

### What to expect

You are likely to experience a tingling feeling similar to an electric toothbrush. This sensation will diminish as you become used to the appliance. The intensity of AcceleDent is preset and cannot be modified. Research shows that braces treatment time can be reduced by 30%, and Invisalign treatment time by 50% with good cooperation.

### How do I look after it?

After use detach the mouthpiece from the activator and wash with warm water. Occasionally the mouthpiece can be brushed over with some toothpaste, mild soap or detergent. Do not immerse the activator in water. On a full charge the battery will last for approximately 5 days. It is advisable to only charge the unit when needed by placing on the charging port.

**AcceleDent**<sup>TM</sup>  
System