

Company / Product

Overview

The problem with today's mobile technology (smartphones and tablets) is the devices are inefficient when it comes to text entry (or typing). Hunt-and-peck and two-thumb typing techniques are barely adequate for entering just a few sentences. Although voice dictation, handwriting recognition and gesture-based input continue to show promise, when it comes to getting real work done, people continue to set aside their mobile technology and sit-down with a laptop or at a desktop computer. This problem is referred to by the consumer electronics industry as the *mobile productivity gap*.

"Touch typing" on a full-sized laptop or desktop keyboard remains the preferred and most productive method of text entry. Rather than using sight to locate keys, a touch-typist relies on muscle memory and is able to achieve a level of competency called *unconscious competence*. By simply repositioning the typist's hands while maintaining the location of the typist's fingers relative to the keys, a touch-typist can quickly transfer competencies from a flat keyboard to TREWGrip, and begin productively entering text in a mobile setting.

Technology

The TREWGrip *Mobile Dock* is a handheld keyboard, air mouse and game controller for today's mobile technology, smart TVs and desktop computers. The ubiquitous QWERTY key layout is split and rotated so the user's hands can hold TREWGrip and perform multi-finger text entry. LED illuminated letters on the front serve as visual cues allowing non-touch-typists to locate the typing keys on the back using hand-eye coordination. While holding TREWGrip, a user can also control mouse movement and game interactions by simply tilting and turning the device. With its universal dock and Bluetooth HID connectivity, TREWGrip supports various technology platforms while offering a uniform user experience.

The objective of the TREWGrip *Mobile Dock* is to establish a new standard for mobile text entry called *Mobile QWERTY*, using existing technology platforms, and to begin building a loyal user base of *Millennials*. As these next generation workers begin entering the workforce, and the popularity of *Mobile QWERTY* continues to grow, we anticipate numerous opportunities to commercialize derivative or follow-on products, including a *grippable computer*.

Innovative Features and Benefits

- **Full, standard QWERTY key layout** – Keys are split and rotated so that the hands gripping TREWGrip can touch-type.
- **Integrated gyroscope and accelerometer** – Controls on-screen mouse movement and game interactions.
- **Illuminated Visual Cues:** When a key on the back is pressed, the corresponding letter on the front illuminates, helping users to easily locate the typing keys with simple hand-eye coordination.
- **Navigation, Control and Mouse Buttons:** Additional front-side functions keys make text entry as efficient as possible. Use navigation, control and mouse keys to move the cursor around within a block of text and to control the software.
- **Unique curved shape** – Allows users to reach the inner rows of typing keys without having to adjust their grip, while making it easier to type while sitting, standing or moving around.

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- **Universal Mobile Dock:** Dock mobile devices (up to 5.3" wide) using a suction/magnetic mount combined with a metal docking plate that attaches to a smartphone or mini tablet.
- **Bluetooth connectivity** – Connects wirelessly to any Bluetooth HID enabled device.

Product Specifications

- **Size (length x height x depth):** 12.05 in (306 mm) x 5.87 in (149 mm) x 2.05 in (52 mm)
- **Weight:** 1lb (450 grams) without handgrips
- **Bluetooth Version:** 2.0
- **Bluetooth Range:** up to 30 meters line-of-sight
- **Battery Type:** built-in lithium polymer
- **Battery Life:** up to 15 hours of continuous usage (up to 500 hours on standby)
- **Battery Recharge Time:** 2 hours with supplied 1A wall charger
- **Charging Port:** USB Micro B
- **Maximum Docking Size:** devices up to 5.54 in (140 mm) wide
- **Maximum Recommended Docking Weight:** 3lbs with supplied large docking plate
- **Air Mouse Screen Resolution:** single monitor with resolution up to 4000 x 4000
- **Operating Systems Supported:** Windows, Mac, Android, iOS
- **Connectivity Requirement:** Bluetooth HID 2.0+ compatible system or device

Package Contents

- TREGrip Mobile Dock Unit
- One small, medium or large set of Handgrips (sizing chart available)
- Small Docking Plate - 3 in (76.2 mm) x 1.5 in (38.1 mm)
- Large Docking Plate - 5 in (127 mm) x 2.5 in (63.5 mm)
- 1A USB Wall Plug
- USB 2.0 A to Micro B Cable
- USB Bluetooth Micro Adapter
- Instruction Manual

Company

TREGrip, LLC was established in 2013 to research, develop and commercialize a two-handed mobile text-entry device to fill the *mobile productivity gap* between laptops and tablets. The short-term objective (1-3 years) is to bring the TREGrip Mobile Dock to market and begin growing a loyal user base of 15-29 year olds. The primary objective is develop and commercialize a *grippable computer* for an ever-increasing mobile workforce.

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Leadership

Mark Parker, Founder and President

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“When it comes to innovation, you have two choices. You can sit and watch it happen, or you can make it happen. The TREWGrip Mobile Dock is our attempt at making it happen.” – Mark Parker