

## Etude de l'existant

### 1.1a tablette BrailleNote touch



- Provided with EasyReader Plus, a new reading application specifically tailored for BrailleNote Touch Plus.
- Optimized Chrome web browsing.
- Filled with educational tools including math learning and graph creation.
- Perfect braille translation in contracted or uncontracted braille, including UEB and multiple languages.
- Use Exchange, POP or IMAP email accounts.
- Fully supports standard keyboards to enhance transferable skills.
- Cooperative tool via its touchscreen provides instant feedback.
- Optimized user experience powered by KeySoft.
- Enhanced web view navigating.
- Innovative tactile graph view.

- **Free and automatic updates.**
- **Modern and simple menu-driven interface.**
- **Familiar keyboard shortcuts to efficiently accomplish tasks**
- **Includes a removable Perkins style keyboard.**
- **Access to Google Assistant, and much more.**

### **Say hello to the most powerful note taker!**

The ever-innovative BrailleNote Touch Plus combines the simplicity and accessibility of a note taker with the power and efficiency of a modern smartphone or tablet. Supported by the Android Oreo platform, it expands the entire experience and fulfills today's digital expectations. BrailleNote Touch Plus is hands down the most up-to-date, powerful and efficient braille note taker on the market!

### **Get the fastest and most accessible braille tablet you can ever wish for!**

With its powerful, lightning fast processor, the BrailleNote Touch Plus gives you all the efficiency you need to empower your life. And since it is compatible with most third-party applications, you can download books on your BrailleNote Touch Plus and start reading in braille right away.

### **Never settle for less than the best!**

Writing your assignments in the classroom without making any noise, downloading and reading your favorite books during your free time, watching videos on YouTube on the weekend, sending emails to your friends, sharing content to cloud services such as Dropbox and Google Drive...BrailleNote Touch Plus is the perfect tool to make this easy for you

## 2.1'application BrailleTouch

BrailleTouch is a smartphone app that allows blind and visually impaired people to type on a touchscreen. It is based the familiar six-key braille keyboard found on the Perkins Brailier and many electronic braille notetakers. More information can be found at:

<http://brailletouchapp.com/>

**Both the free trial version and the full version of BrailleTouch are now available through the App Store:**

<https://itunes.apple.com/app/brailletouch/id579725651?ls=1&mt=8>

To type with BrailleTouch, hold the phone in two hands with the screen facing away from you. The first three fingers of your left and right hands will naturally fall on the left and right sides of the screen, respectively. To type a braille chord, use the same fingers you would use on the standard six-key Perkins-style keyboard. For example, to type the letter “B”, tap the screen with the first two fingers of your left hand.

We recommend using a rubber case to aid in gripping your phone comfortably in both hands, and either wireless headphones or a right-angle headphone plug if your headphone jack is on the side of the phone where you would hold it.

### **BACKGROUND**

**BrailleTouch is based on research at the Georgia Tech School of Interactive Computing, which won first place in the Design Competition at the MobileHCI 2011 conference in Stockholm, Sweden. Researchers Caleb Southern, James Clawson, Brian Frey, Dr. Gregory D. Abowd, and Dr. Mario Romero evaluated BrailleTouch with eleven blind volunteers. They found that expert braille typists could transfer their skills to BrailleTouch on a touchscreen smartphone within an hour of practice, and could achieve typing speeds averaging 23 words per minute in Grade 1 braille.**

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