## Text to Speech (TTS) - Available only for Chameleon 20

* After updating TTS will automatically be enabled
* Added three (3) TTS voices only
  + English American voice = Will and Sharona
  + Spanish voice = Rosa
* Added Speech setting to the sub menu of Settings:
  + Speech on
  + Speak menu
  + Speak word under cursor
  + Speak display content after panning
  + Echo delete
  + Keyboard Echo
  + Voice selection
* Turn speech on/off = **Space + Previous Thumb key**
* Start read all with TTS = **Space + G** (Only available in the Editor and Library)
* Stop Reading = **Enter + Backspace** (Only available in the Editor and Library)
* Increase TTS speed = **Enter + Dot 5**
* Decrease TTS speed = **Enter + Dot 2**
* Added an option in the language profile to select a different TTS for content
* Please note that TTS is not available when using the Braille Editor application

## Editor: Keypad

* Added a new item within the editor sub menu called Recently saved.
  + The recently saved item will store the last 10 most recent saved documents
* Added Toggle Text indicators
  + Hide and show the text indicators. Available through the editor settings
  + Note all other edit fields will continue to show the text indicators

## Terminal

* Activate Bluetooth for pairing = Hold **Enter Key** for 5 seconds
* Switch between connected devices while connected
  + Press **Home + Next Thumb key** to move forward through the list of connected devices.
  + Press **Home + Previous Thumb key** to move backward through the list of connected devices
* General improvements in connectivity (Please refer to user settings section)

## User Settings

* Added a settings - Disable Braille perkins Keyboard when in terminal
  + When set to on, while in Terminal mode, perkins keyboard will be disabled. All other keys including Thumb keys and command keys will continue to work
* Added a setting - Ask to open USB connection
  + When set to on, when inserting the USB cable, user will be prompted to start terminal mode
  + When selecting Ok, the device will connect to the USB connection automatically
* Added Key repeat setting (Mantis Q40 only)
  + When set to on, keys can be held down to repeat

## Added a new onboard application - Braille Editor: KeyBrf

* A new braille editor allowing users to create, edit and open BRF and BRL files.
  + No translations occur
  + Export option available
  + Create quick braille note from anywhere
    - Brailliant BIX and Chameleon = **BackSpace + B**
    - Mantis Q40 = **Ctrl + FN + B**
* All saved files will be .brf format
* Export braille as text is available from the context menu
  + Brailliant BI X and Chameleon = **Space + M > Edit menu > Export as text**
  + Mantis Q40 = **Ctrl + M > Edit menu > Export as text**
* Mantis Q40 will restrict Qwerty input and instead will automatically switch to braille entry only using A,S,D,F and J,K,L,;

## Victor Reader / Library (Applies to Brailliant BI X and Chameleon only)

* Unprotected Daisy audio playback now possible (Daisy 2.02 and Daisy 2.0)
  + Press **space + G** to start audio
  + Stop audio playback = **Enter(Dot 8) + BackSpace(Dot 7)**
  + Use Physical volume keys to increase and decrease the volume
* Increase the speed of Audio = **Enter + dot 5**
* Decrease the Speed of Audio = **Enter + dot 2**
* Fast forward 5 seconds = **Right thumb key** (single press)
* Rewind 5 seconds = **Left thumb Key** (single press)
* Fast forward (Longer time jumps) = **Right thumb key**(press and hold)
* Rewind (Longer time jumps) = **Left thumb key** (press and hold)
* Top of file/book = **Space + dots 1-2-3**
* Bottom of file/book = **Space + dots 4-5-6**
* Previous Element = **Space + dots 1-3**
* Next Element = **Space + dots 4-6**
* Previous Sequential level = **Backspace + dot 3**
* Next Sequential level = **Backspace + dot 6**
* A new shortcut to delete book from the book list
  + Delete book **= Backspace(Dot 7) + dot 2-3-5-6**

## Languages

* Added Ukrainian and Hebrew - Brailliant BI X
* Added Polish - Mantis Q40

## Fixes and Enhancements

* Introduced quick navigation between internal applications (Brailliant BI X only)
  + Press the initial letter of the application with **both backspace(Dot 7) and Enter (Dot 8)** to quickly move between applications
    - Example for Editor, press E with enter and backspace
* On start-up a new item called "Start in terminal" is available
  + When set to on, every time Brailliant is turned on from a full shutdown, the device will always start in the terminal mode
* Fixed freezing issues that were occurring in the editor
* Menu item name "Braille Profile" now changed to "Language Profile"
* Volume keys now active and control Volume for TTS and Audio playback
* Mono Speaker and stereo speakers now active for Audio playback and (TTS for Chameleon)
* Beeps replaced by sounds and messages on Braille devices. (Brailliant BI X and Chameleon)
* Mantis double beep to indicate a wifi connection has been replaced with a toast message “wifi connected”