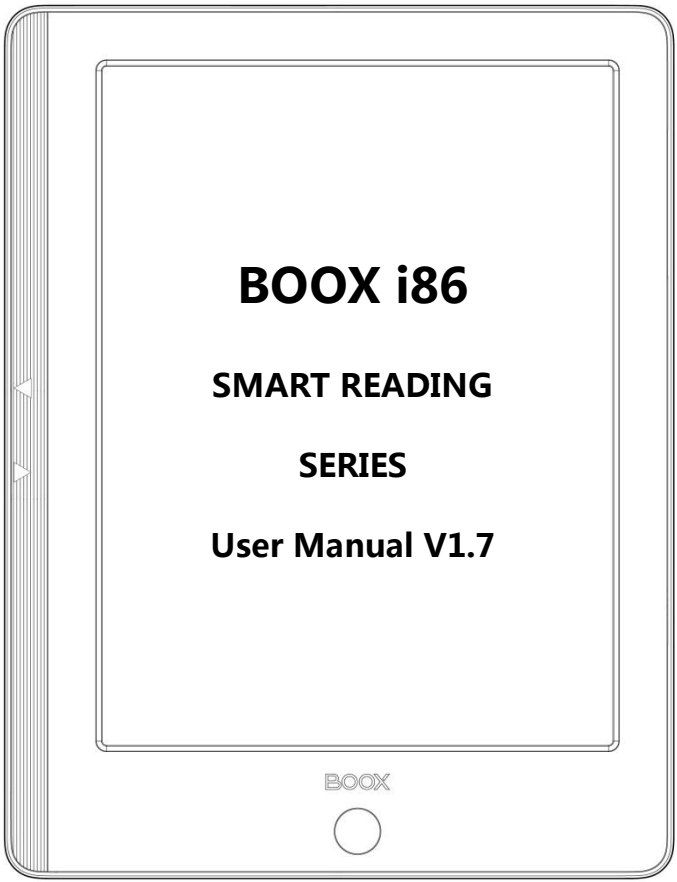

BOOX i86

SMART READING

SERIES

User Manual V1.7

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1. About ONYX

BOOX is presented by Onyx International, which has a group of professionals who dedicate themselves in designing state-of-the-art reading terminal. The beauty of the BOOX is embodied in both its simplicity and its power. As we are going to show you, BOOX is an open and flexible platform for both consumers and content providers.

BOOX is powered by a 16-level grayscale e-ink screen that looks and feels like paper. Passive lighting and diffuse surface relax your eyes and reduce eye strain. By the hand-writing system, you can take notes while reading and sketch up ideas that happen to emerge. BOOX takes full advantage of new-generation e-ink screens: extremely low power consumption without reflection and backlight. Each full charge can sustain a few weeks' reading.

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By reducing paper consumption while providing a realistic paper-like reading experience, digital content helps to protect the environment without sacrificing convenience or life style.

For content partners, we also provide support for custom formats and digital rights management solutions. All of our viewers have standard features such as layout management, font adjustment, full text search, zooming, and page flow.

For a next-generation information device, connectivity is essential. The user can connect to the Internet by build-in Wi-Fi, 3G module or other add-on modules to download new content or surf the web. Customized for the e-ink screen, WebKit, the same software engine as some powerful desktop browsers such as Safari and Chrome, is the web browser of BOOX.

BOOX gives you a new reading experience.

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2. Standard Accessories

Included in the Box :

1. BOOX i86 Reader x1

2. USB Cable x1

3. Quick Start Guide x1

4. Warranty Sheet x1

Optional Accessories (Purchased separately)

1. Adapter

2. Stereo headphone

3. Protective Cover

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3. Safety Guide

Please read the Safety Guide carefully before you start to use the device. Contact your BOOX retailer if you have any technical problem; or you can dial our official service line at 4008-869-830 .

Screen protection

The device is equipped with Eink screen, which is very fragile. Please have no shocking, squeezing, pressing against the screen, or dropping the device from higher place. If the screen is already broken, stop using it and contact the professional or other qualified staff to replace the screen for you. Please don’ t dismantle the device without our permission;

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Standard accessories

Only the battery, adapter, and other accessories meeting our standard safety rules can be used for the device. For details, please refer to Product Specification. We will not be responsible for any damage caused by incompatible accessories;

Stay away from liquids

The device is not waterproof. Don’ t expose the device to humid environment or use it in the rain. Please keep it away from any corrosive liquids;

Don’ t dismantle the device

Please don’ t dismantle the device in case of any damage ;

Using environment

The using environment of the device is 0°C-50°C ;

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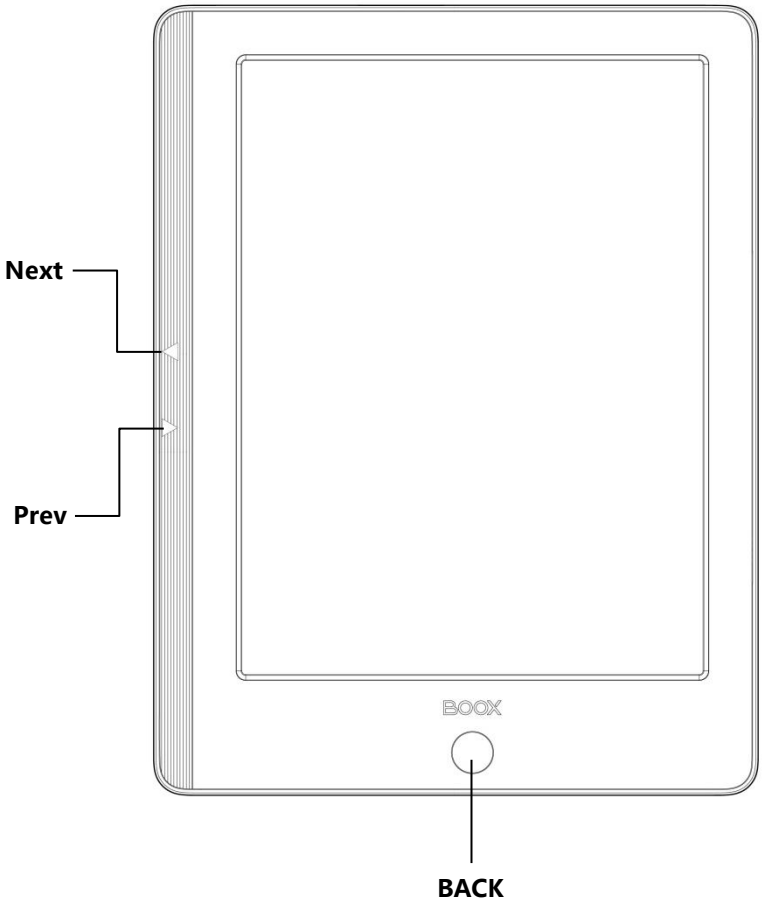
4. Product Views

Front View



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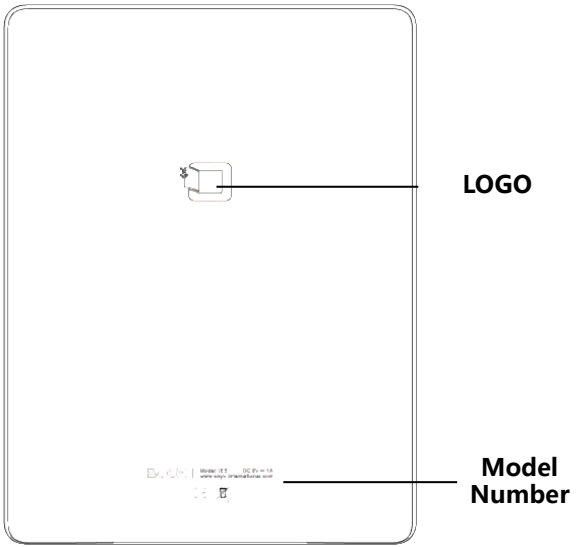
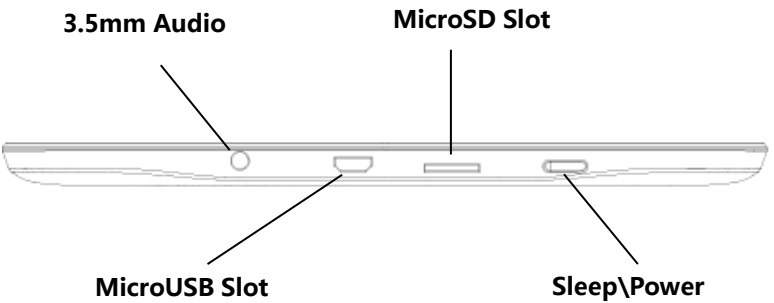
Back View



Bottom View



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Button Function

Power/ **Standby Button**	Long press the power button for 3 seconds to turn on/off the device; Press the power button and release quickly to let the device go standby or wake up; Press the power button for 8-10 seconds to reset your device , then press it quickly to restart .
Back Button	Exit the current apps; Exit the current view or dialog; Go back to previous directory;
Next Button	Turn to next page when reading or viewing files;
Prev Button	Turn to previous page when reading or viewing file;

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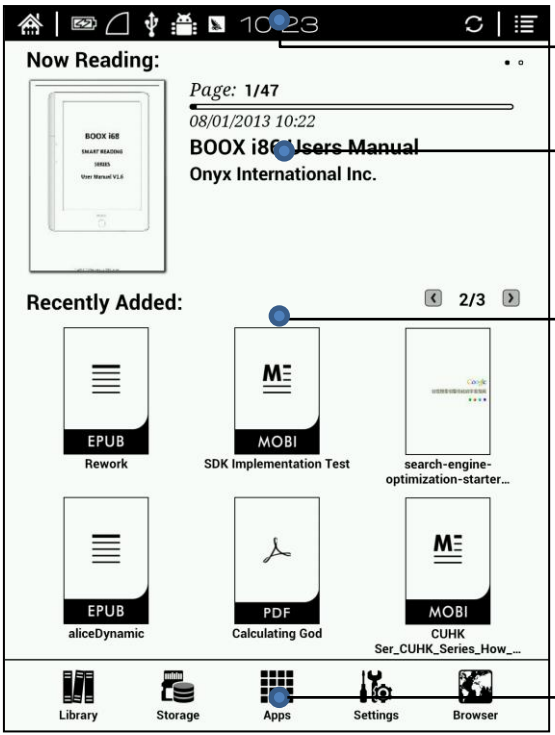
5. Interface Introduction

5.1 Main Interface

The main interface contains “Status Bar”, “Now Reading”, “Recently Added” and “Function Area”.



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Status Bar

This section displays the current state of the device, including: home icon, battery usage, notification, time, A2 mode on/off, Setting etc ;

- **A2 mode refreshment**

  Two-grey level refreshment mode is good for fast refreshment of text page. It enables fast pageturn, no screen flashing and less ghost background. When A2 mode is on, reading articles with images, graphics, texts mixed are not suggested because of blur image would occur.

  When A2 is on :

  When A2 is off :

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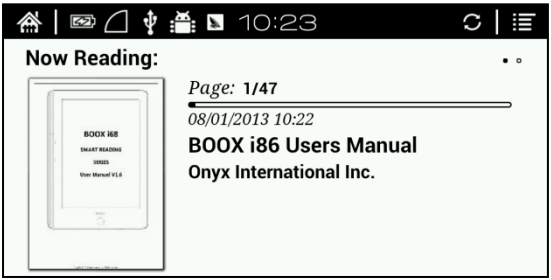
Now Reading



The information of recently read books is displayed in this section, including book cover, book title, author, page number, last read time, reading progress etc；

Tap book cover or book title can open the books and enter the page read recently.

Only those read books can display book covers while those unread books shall display BOOX cover by default；

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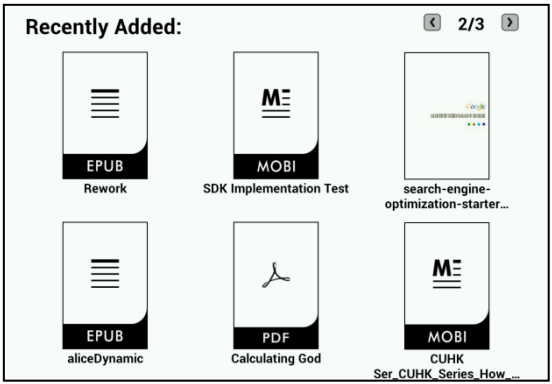
Recently Added



The newly added books will be listed here chronologically. Slide to left/right is for turning pages.

Users can switch into "Recently Added" through "system—user preferences—homepage options", then it will display the book list added recently.

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Function Area

This section displays some frequently used function icons, including Library, Storage, Apps, Setting, Browser. Users can page forward or backward by pressing the button on two sides or by tapping the arrowhead icon.

- Library

All books copied/downloaded to the device will be displayed here, including books from local storage and MicroSD card.

Users can choose "Scanning" through Setting-System-User Preference to display all books supported by the device in directory "Books" including books from local storage and Micro SD card.

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➢ Storage

It displays all files both from local storage and MicroSD card. Users can manage all files by customized folders to manage books, apps and other files.

➢ Apps

Going to Apps lists page, users can manage or uninstall the apps

➢ Firefly light

Turn on/off the front light and adjust the brightness.(Only i86 Plus support)

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- Setting

Going to Setting page, users can select their preferred setting for the whole system

- Browser

When WiFi is on, users can browse webs or download files from internet via Browser

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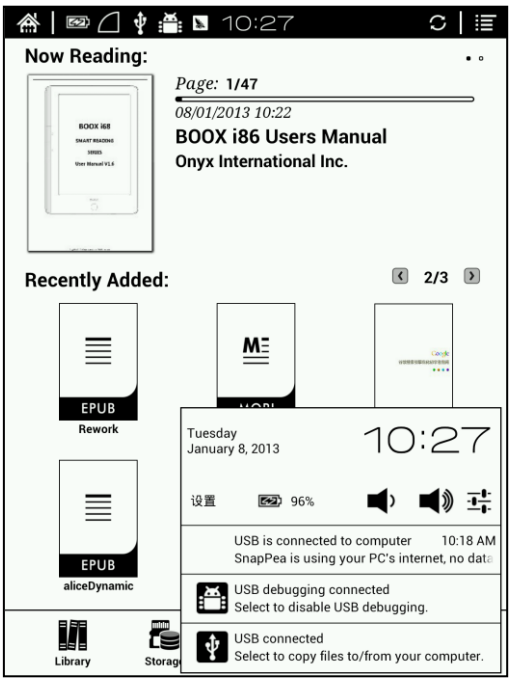
5.2 Notification Interface

Tap battery usage site on the right of the Status Bar to pop up Notification board; Press Back button or tap Home icon can exit Notification board;

Notification page contains: WiFi setting, date, volume control, setting, and other new msg notice etc;



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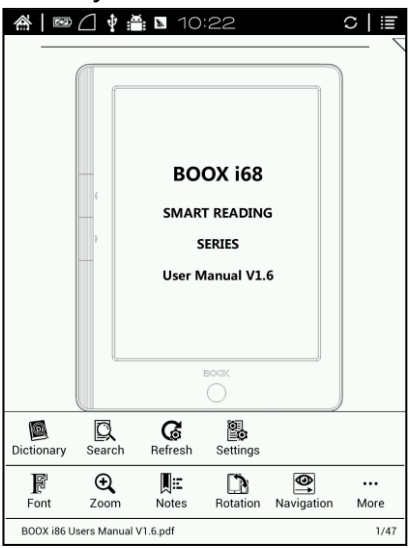
5.3 Reading Interface

Select any book to go to reading page, which only displays book content, page number, prev./next. page and current time;

Tap the middle area of the screen or menu button to pop up reading menu and status bar;

Reading menu contains: Fonts, Zoom, Notes, Rotation, TTS, Dictionary, Search, Refreshment, Setting etc ;



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Font

Fonts can be adjustable (reflow mode is supported): font size, bold type, font change(only some formats supported), spacing(only some formats supported) etc;

Zoom

User can zoom in/out the page freely; Other zoom shortcuts are available: To width, To page, Crop, Selection to zoom;

Direcctory

TOC, Bookmark, Annotation can be checked here;

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Rotation

Users can select the direction of the screen display;

TTS

Users can listen to the books(only some formats are supported) by TTS, powered by well-known voice company IVONA, which is close to human reading;

Dictionary

Long press the content can pitch up words to pop up the dictionary. Stardict can be supported. Users can download Stardict dictionary and put it into folder “dictionary” on MicroSD card, then the dictionary can be used when reading;

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Search

User can search the targeting texts;

Long press the input box can change input method;

 Refreshment

User can select screen refreshment rate by their preference, including full refreshment, 3/5/7/9 pages refreshment and never full refreshment. Every 5 pages to refresh is system default;

Setting

Page margin, footer, time, navigation and dictionary for current content can be set.

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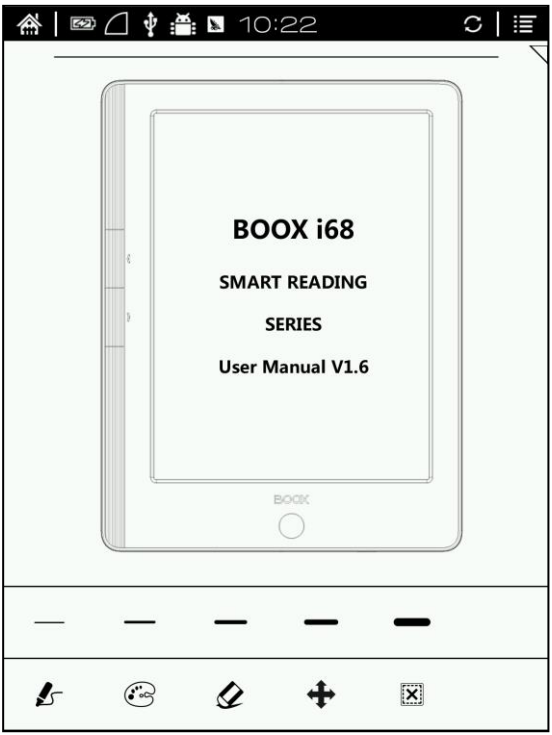
Scribbler Interface

In Menu-notes-scribbler , user can use scribble annotation (only support PDF format), this interface including stroke thickness, color, eraser, pages move ,etc;



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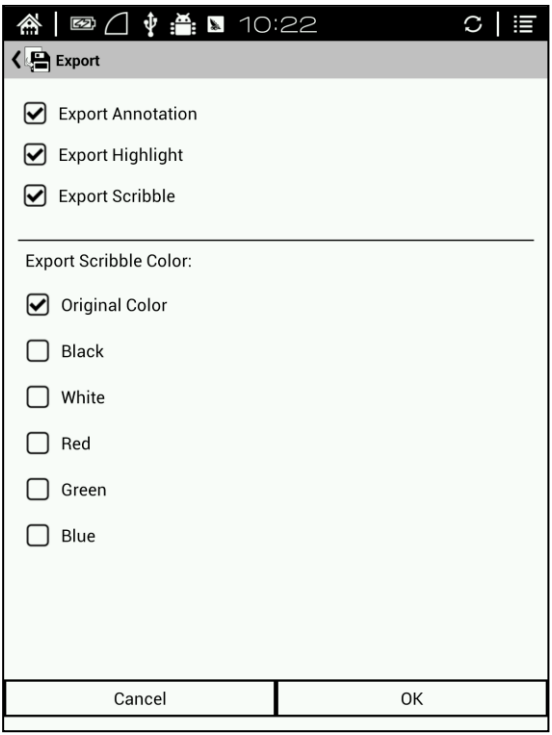
Export Interface

In Menu – notes –export , user can choose export annotation、highlight、scribble; the default save xxx.export.pdf (containing text and scribbler) /xxx.export.txt (containing only text) format in the same folder with original document;



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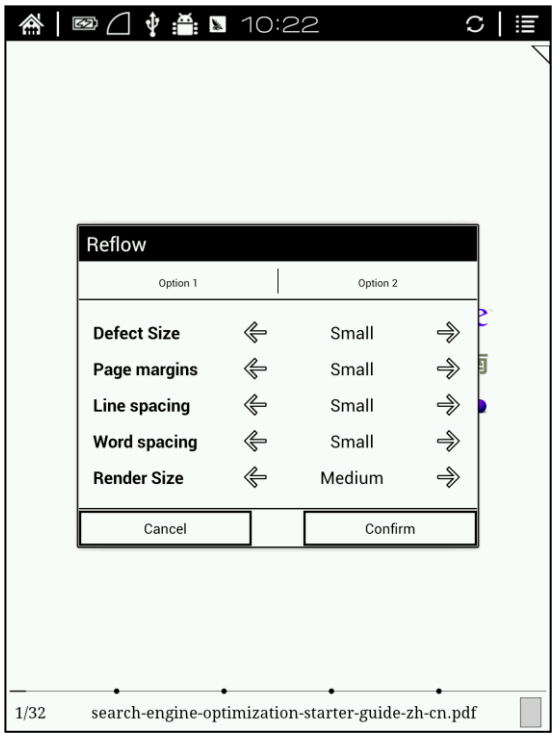
Reflow Interface

In Menu – Fonts- Reflow , user can rearrange scan version PDF documents, including customize the defect size, page margins, line spacing, word spacing, render size, straighten, justification, columns, contrast, contrast ,rotation ,etc;



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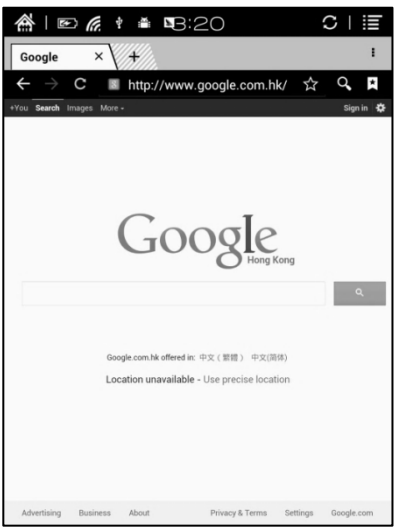
5.4 Browser Interface

When WiFi is on, please tap Browser icon or choose in the apps management to start browsing online;

At browsing page, tap text box can pop up virtue keyboards;

Press the space key to switch English and Chinese mode. More input methods can be installed by users and switched through the input method options on the keyboard;



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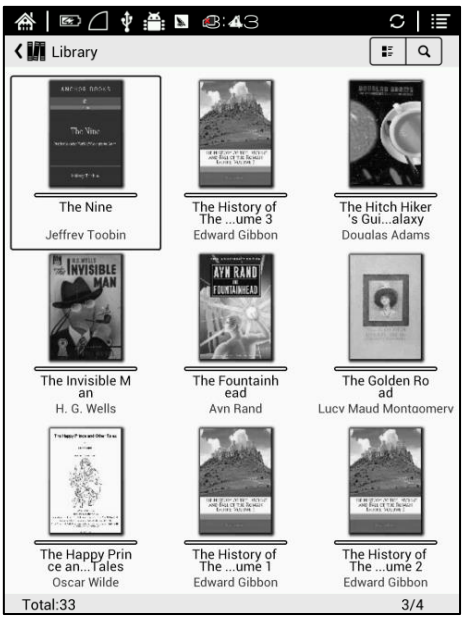
5.5 Library

The library can only display supported-format books; The books will be displayed by thumbnail view chronologically;

Users can change the display mode through the icon on top right corner(including breviary, listing mode, particular list) and users also can search books;



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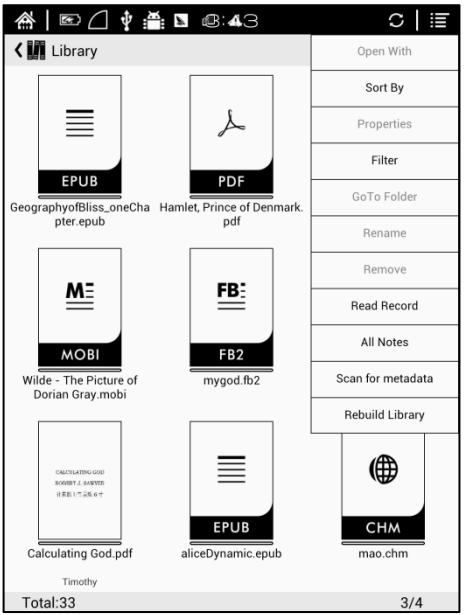
Tap the menu key on the top right to pop up library menu, including open pattern, sequencing, attribute, filter, skipping, rename, delete, history, note etc;



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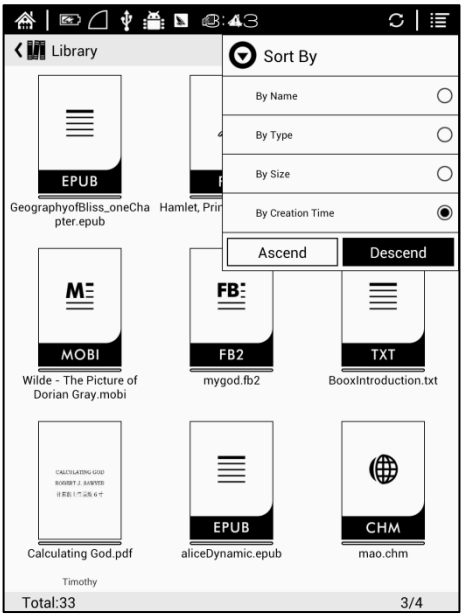
Sort by

Users can sequence the book by names, types, sizes, created time;



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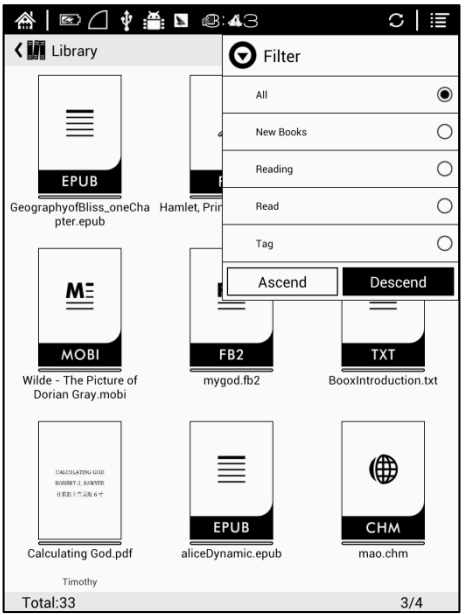
Filter

The books in the library can be filtered in reading mode, including all, unread，now reading, read，label etc;



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History

Users can find all reading history record of books that have been read, including reading progress, time, open times, total reading time etc;

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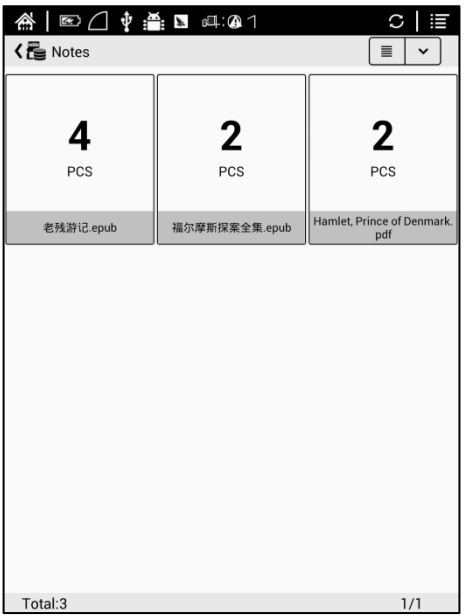
All Notes

Users can extract all the notes, highlights, annotations and other books record list, which can be referred directly without open the books;



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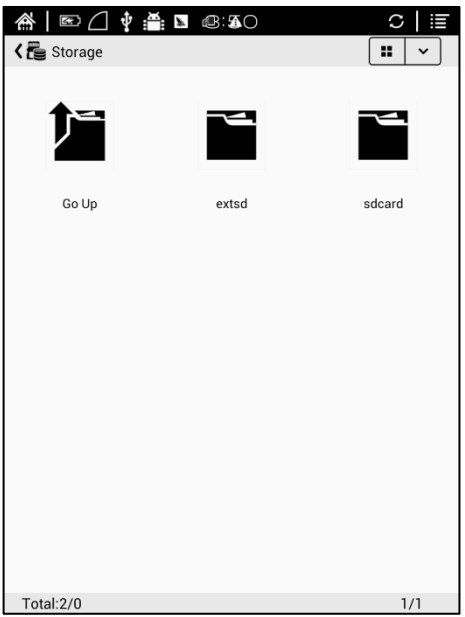
5.6 Storage

Storage displays all files from both local storage and MicroSD cards and manage in file mode. Files will be displayed in alphabetical order by default. Users can change the listing mode by themselves;



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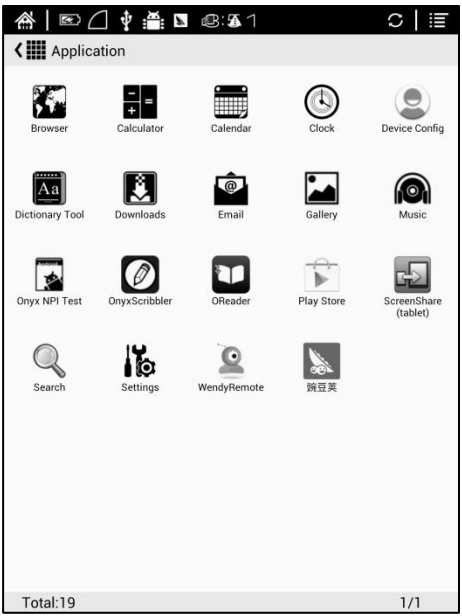
5.7 Apps

Here it will display all installed apps in alphabetical order. Users can change the listing mode by themselves;

Long press on each app can popup menu to manage or delete the Apps setting. Applications that come with the system can not be deleted by users;



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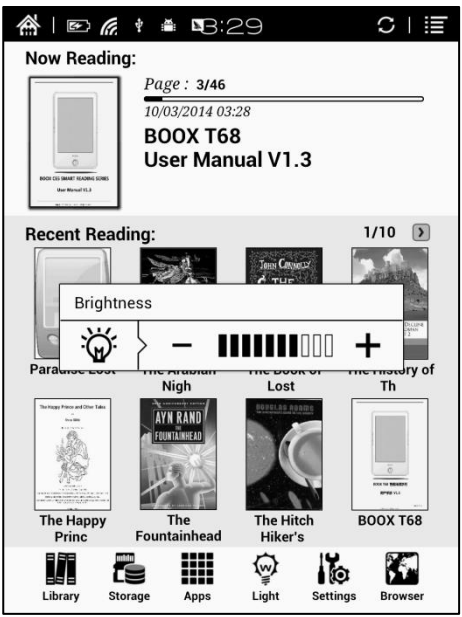
5.8 Light

Users can turn on/off the front light and adjust the brightness;

Users also can long press the OK button to turn on/off the front light quickly;



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5.9 Setttings

Users can set up general settings for the device, including System, Language, Extension, Networks and About;

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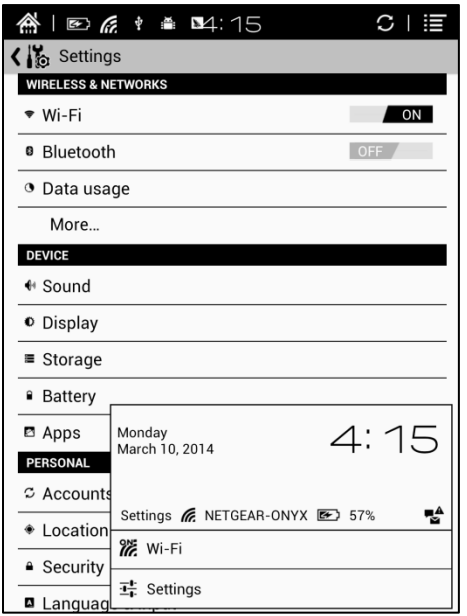
Users can tap the top right corner of the status bar to popup notification bar and choose “settings” to enter settings interface;



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5.9.1 System

Users can set date, display option, storage, privacy, startup options of the device;

- **Date**

Users can set date, time, time zone manually;

Or users can select Auto setting to update date, time, time zone automatically when the device is connected with wireless internet;

Users can select preferred ways for date and time display;

Users can set 12-hour time or 24-hour time and date display on their preferred way;

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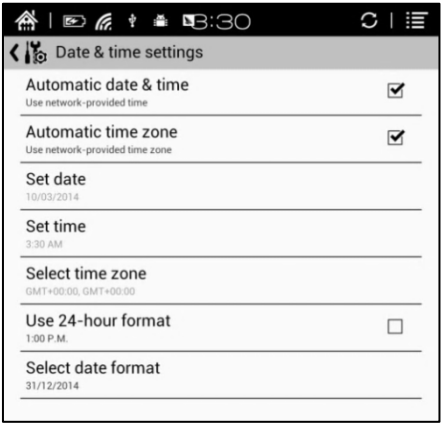
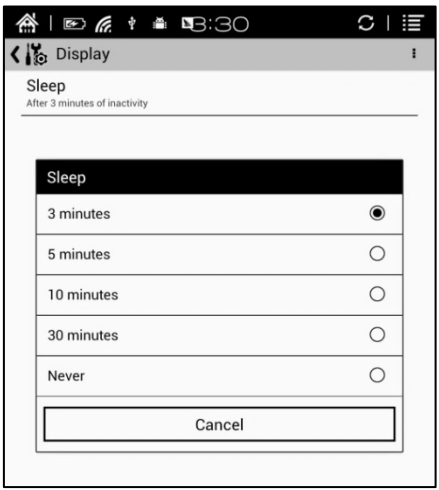


➢ Display

Users can set standby time here. It is 3 minutes by default;



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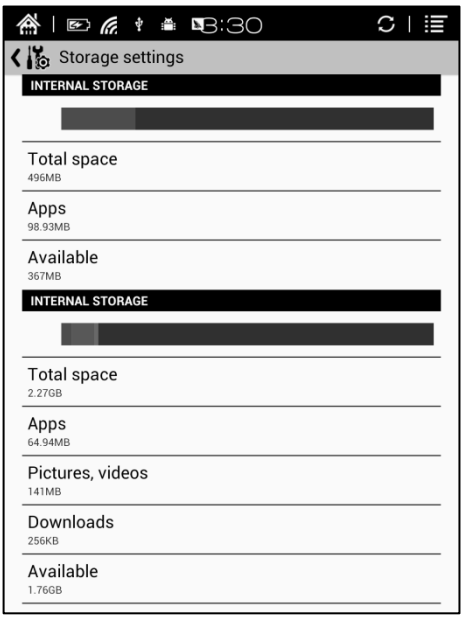
➢ Storage

Here it displays the total storage of device, including the usage of local storage, MicroSD card, built-in FLASH storage etc;



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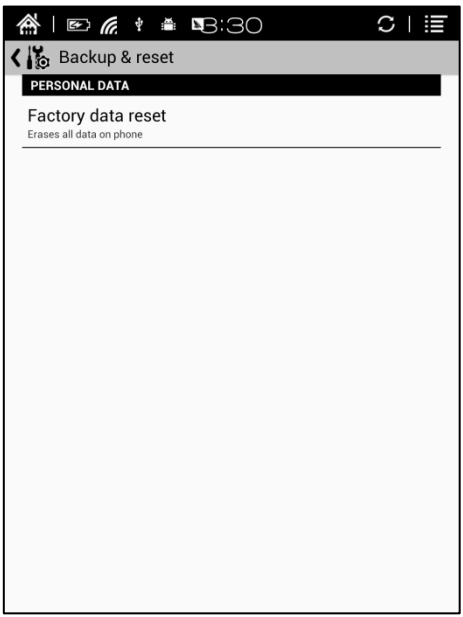
- **Privacy**

This contains settings of data backup, data recovery and factory resetting etc;

Factory resetting will erase all user data. Please back up all user data before performing factory resetting;



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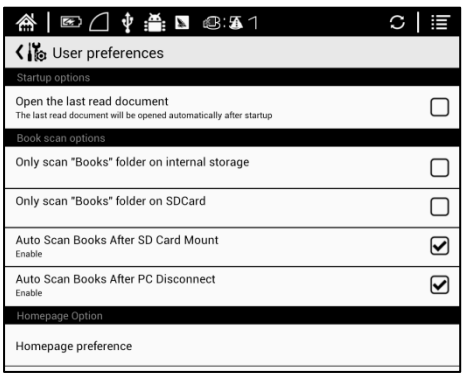
- **User preference**

Users can choose whether to open the last read book when starting the device; It will go directly to the main interface by default;

Users can choose whether to scan the book cover or not;

Users can select the path to scan books automatically;

Users can choose to display "recently read books or recently added books" at the main interface; It will be recently added books by default;



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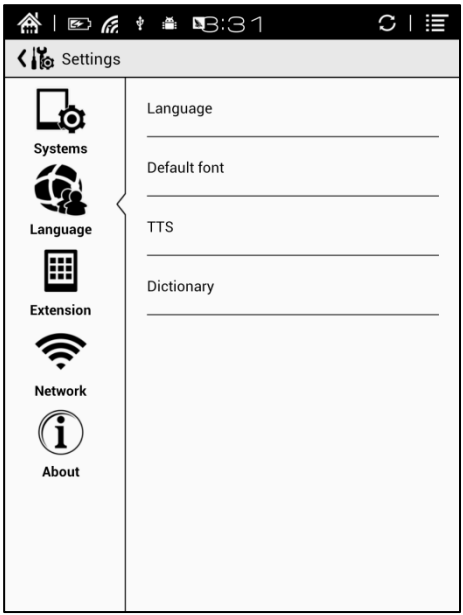
5.9.2 Language

Users can set system language, default fonts, TTS reading, dictionary on this page;



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- **Language Setting**

Users can set languages of the system and virtue keyboard. The system has Android keyboard by default. Users can install third-party apps for more input methods and select in keyboard setting;

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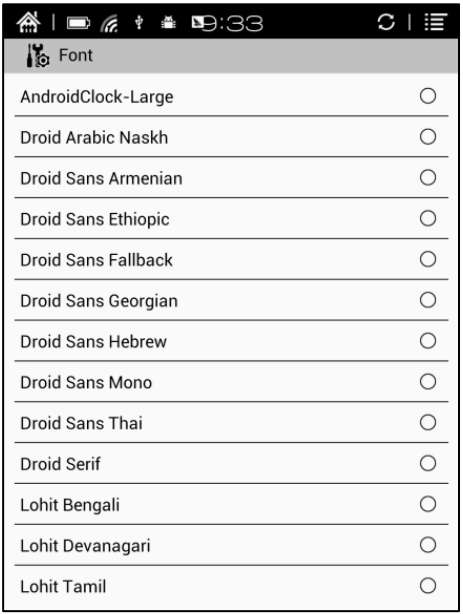
- **Default front**

Users can set the system fonts on this page, but reading fonts can be only set on reading page;



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- **TTS Setting**

Users can set reading voice, speed and language by TTS (text-to-speech) setting;

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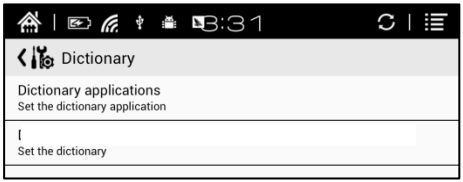
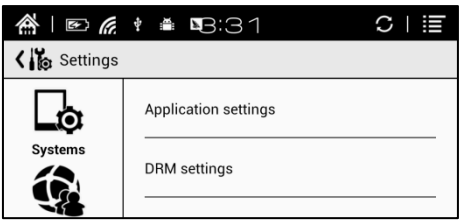
- **Dictionary**

User can select the installed dictionary apps here;



5.9.3 Extension

This contains Apps setting and DRM setting;



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- **Apps setting**

Users can select whether to allow installing unknown source Apps and debugging, manage and delete Apps, check the running apps and storage usage, battery usage, and preferred Apps;

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5.9.4 Networks

This is for WiFi setting. When WiFi is connected, users can browse webs and download books via internet on the device;

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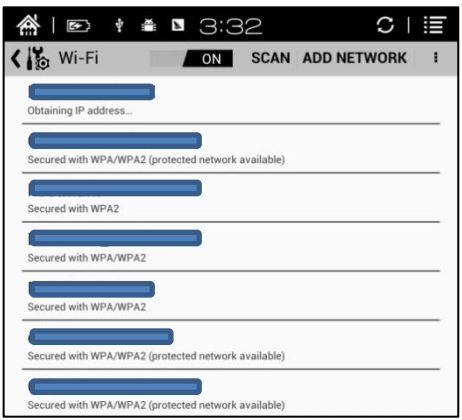
When “turn WiFi on” is selected, the device will search WiFi hotspot. When all available WLAN are listed, users can choose a network, input password to connect with internet. WiFi signal will be displayed at “Status bar” when WiFi is connected;

After WiFi is connected successfully at the first time, the device will save WiFi information automatically. Users only need to turn WiFi on and off if using same WiFi next time. Users can turn WiFi on and off by shortcuts on Notification board;



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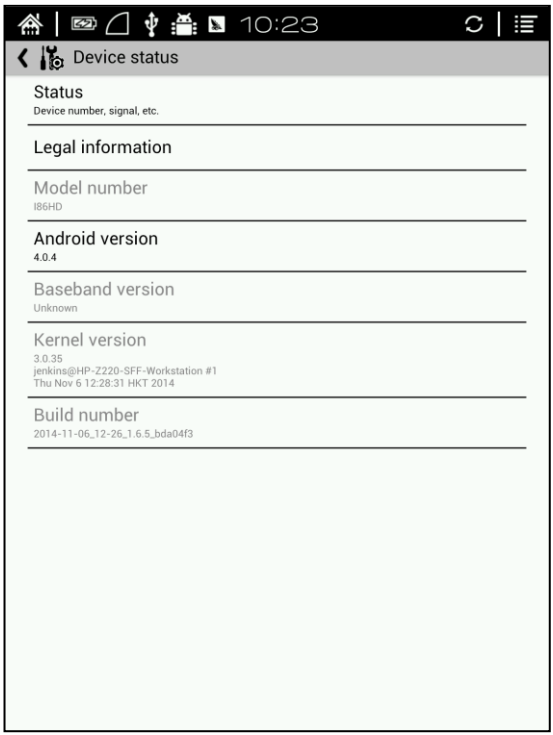
5.9.5 About

More information about the devices are listed here, including system update, notification, battery usage, legal info, model, firmware version etc;



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6. FAQs

6.1 How to turn the device on/off

When the device is off, press power button for 2-3 seconds to turn the device on;

When the device is on, press power button for 3-5 seconds to turn the device off;

When the device is on, pop up menu bar to select "Shutdown";

6.2 How to charge

Recharge the device by connecting it with PC by USB cable;

Recharge the device by connecting with power adapter(5V=1A, optional accessories);

Orange light is on when the device is charging. The light will be off after battery is fully charged;

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Full single charge will take around 3 hours;

6.3 How to transfer data

Transfer data by connecting the device with PC via USB cable

Transfer data by third-party sync apps between PC and the device via WiFi;

Download data or read online by browsing via WiFi;

Download data or read online by log-in of reading apps from third party via WiFi;

6.4 How to install dictionary

The device supports stardict dictionary;

Users can download the language package of stardict, copy it to folder “dictionary” on MicroSD card. Dictionary is available to use after that when users are reading;

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6.5 How to add fonts

Users can download fonts online, then copy the fonts to the folder "/adobe/resources/fonts" on MicroSD card;

Users can select the installed fonts when reading, but the fonts are only available for some book formats;

6.6 How to update

Download firmware update.zip and insert MicroSD card into the device. Find the update.zip through"Setting-About-other system update"to update locally;

Users can update the firmware online via OTA (Setting—About—System update);

Please connect WiFi when updating the device by OTA;

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6.7 How to change screen saver/power off

Press PNG format images, in the menu, select "Set as screen saver", choose to replace the original standby or shutdown ;

6.8 How to protect the device

To use protective covers for the device and avoid crashing, shocking, pressing against the screen;

Put the screen side downwards when the device is not in use;

Don’t put rigid stuff in-between of the screen and other flat surface;

Don’t pile up or store heavy stuff above the device;

Keep the device away from all types of liquids.

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7. Warranty

7.1 Scope of Warranty

7.1.1 The device：One-year warranty；

7.1.2 If in 15 days from the date of purchase, any faults caused by quality problem of the product itself under normal operation and without overhaul, you can replace the same type of product or enjoy maintenance services for free；

7.1.3 If in one year from the date of purchase, any faults caused by quality problem of the product itself under normal operation and without overhaul, you can enjoy maintenance services for free；

7.1.4 If in three-years from the date of purchase, the product has any faults, you can get maintenance services with a fee；

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7.1.5 Above warranty or maintenance are limited to the fault of electrical components, including the hardware mainboard and display, not including housing, brochures, package, headphones and other consumables and accessories.

7.2 Beyond the scope of warranty

The following conditions are not covered by the warranty, even if in the applicable time period, the warranty will no longer works for it, but still can enjoy the fee-based services.

7.2.1 Faulted device without ONYX BOOX brand ;

7.2.2 Faulted device caused by dismantling and repairing without permission.

7.2.3 The serial number of the faulted device has been changed or lost. ;

7.2.4 The device is damaged due to personal factors or not

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being used under specific environment. For example, use the device in the environment where too wet or too dry, in high temperature or with instable voltage or current, etc. ;

7.2.5 The device is damaged by accident or improper use, including devices filled with warter, rupture , collision, unnormal pluging, pests, ect.

7.2.6 Due to natural consumption, including natural consumption, wear and aging of housing and accessories.

7.2.7 Damage caused by force majeure, such as fires , floods , earthquakes and other natural disasters

7.2.8 The device is faulted by operating the software beyond the range that SDK permitted.

7.2.9 The device has been identified that it is not produced by ONYX.

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7.3 Precautions for repair

7.3.1 Users need to contact our after-sales department to confirm whether it is in the scope of warranty, whether it is fault and the fault cause.

7.3.2 Users need to provide proof of purchase (invoice or receipt) , warranty card consistent with the original barcode. Fill out the repair request form (download from official website) and then send to our maintaining department together with the device.

7.3.3 Due to the special properties of the product screen, for non- screen maintenance equipments, please ensure that the screen is intact and reinforce the packing before send it to us. Please avoid damage in transportation. We do not receive a damaged screen products for free maintenance.

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7.3.4 Please only send the device and the materials required above to us. Do not send the headphones, adapters and other accessories. If lost, our company is not liable for damages;

7.3.5 Please backup data before send it to repair. We are not liable for the data loss due to maintenance.

This provision only applies to mainland China. It is protected by the Chinese consumer protection law; If the same model is purchased in other regions, it cannot enjoy the above terms. Please consult related consumer protection law and dealers of the country where you purchase the device.

ONYX International Inc. reserves the right of final interpretation of this warranty.

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8. Specifications

	i86HD	i86 Plus
Processor	1G Hz	1G Hz
RAM	512MB LPDDR2	1GB LPDDR2
OS	Android 4.0	Android 4.0
Storage	4G	8G
Screen	E-ink display	E-ink display
Screen Size	8 inch	8 inch
Resolution	1600X1200 (200dpi)	1600X1200 (200dpi)
Touch	IR touch	IR touch
Front light	W/O	Support . Can be adjusted and turned off
Wireless	WIFI+Bluetooth	WIFI+Bluetooth

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Battery	1700mAh	1700mAh
USB	MicroUSB2.0	MicroUSB2.0
Audio Jack	3.5mm	3.5mm
ExtCard	MicroSD card(up to 32G)	MicroSD card(up to 32G)
Size	210x160x9mm	210x160x9mm
Weight	≤340g(including battery)	≤340g(including battery)
Operating temperature	0°C- 50°C	0°C- 50°C
Supported book formats	PDF, EPUB , TXT, DJVU, HTML, RMICROSD, FB2, DOC, MOBI, CHM,	PDF, EPUB , TXT, DJVU, HTML, RMICROSD, FB2, DOC, MOBI, CHM,

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	PDB etc	PDB etc
Supported image formats	PNG,JPG,GIF ,BMP	PNG,JPG,GIF ,BMP
Supported audio formats	WAV , MP3	WAV , MP3
Apps	Third-parties APKS installation is supported	Third-parties APKS installation is supported
Browser	Support	Support
Language	Multi-language supported	Multi-language supported

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File directory	Support	Support
Dictionary	Support	Support
TTS	Support	Support
Refreshment mode	A2 quickly refresh, partly refresh and fully refresh.	A2 quickly refresh, partly refresh and fully refresh.
DRM	Support	Support
Firmware update	Locally update and OTA update are available	Locally update and OTA update are available
Certification	CE、Rohs	CE、Rohs

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9. Declaration

Onyx International Inc. reserves the right to modify the content of the Quick Start Guide and User Manual without further notice.

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