



RTC-1010RK

Rugged Tablet Computer

User's Manual 1st Ed

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Packing List

Before setting up your product, please make sure the following items have been shipped:

Item	Quantity
● RTC-1010RK	1
● 12V Power Adapter (Power Cord ordered separately)	1

If any of these items are missing or damaged, please contact your distributor or sales representative immediately.

About this Document

This User's Manual contains all the essential information, such as detailed descriptions and explanations on the product's hardware and software features (if any), its specifications, dimensions, jumper/connector settings/definitions, and driver installation instructions (if any), to facilitate users in setting up their product.

Users may refer to the product page at AAEON.com for the latest version of this document.

Safety Precautions

Please read the following safety instructions carefully. It is advised that you keep this manual for future references

1. All cautions and warnings on the device should be noted.
2. Make sure the power source matches the power rating of the device.
3. Position the power cord so that people cannot step on it. Do not place anything over the power cord.
4. Always completely disconnect the power before working on the system's hardware.
5. No connections should be made when the system is powered as a sudden rush of power may damage sensitive electronic components.
6. If the device is not to be used for a long time, disconnect it from the power supply to avoid damage by transient over-voltage.
7. Always disconnect this device from any AC supply before cleaning.
8. While cleaning, use a damp cloth instead of liquid or spray detergents.
9. Make sure the device is installed near a power outlet and is easily accessible.
10. Keep this device away from humidity.
11. Place the device on a solid surface during installation to prevent falls
12. Watch out for high temperatures when the system is running.
13. Never pour any liquid into the openings. This could cause fire or electric shock.
14. As most electronic components are sensitive to static electrical charge, be sure to ground yourself to prevent static charge when installing the internal components. Use a grounding wrist strap and contain all electronic components in any static-shielded containers.
15. If any of the following situations arises, please the contact our service personnel:
 - i. Damaged power cord or plug

- ii. Liquid intrusion to the device
- iii. Exposure to moisture
- iv. Device is not working as expected or in a manner as described in this manual
- v. The device is dropped or damaged
- vi. Any obvious signs of damage displayed on the device

- 16. **DO NOT LEAVE THIS DEVICE IN AN UNCONTROLLED ENVIRONMENT WITH TEMPERATURES BEYOND THE DEVICE’S PERMITTED STORAGE TEMPERATURES (SEE CHAPTER 1) TO PREVENT DAMAGE.**
- 17. Do not use the battery pack if any part of it is protruding or inflated. Replace with a new battery pack immediately.
- 18. If the battery pack cannot be charged (won’t hold a charge, system is unable to charge it), replace the battery pack with a new one immediately.
- 19. The LED charging light will flash orange-green after the battery is fully charged.

Markings, Instructions, and Instructional Safeguards

Clause Title	Marking or Instructional Details
Protective earthing is used as a safeguard	The equipment power supply cord must be connected to a socket outlet with earthing connection, or equivalent

FCC Statement

Warning!



This device complies with Part 15 FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received including interference that may cause undesired operation.

Caution:

There is a danger of explosion if the battery is incorrectly replaced. Replace only with the same or equivalent type recommended by the manufacturer. Dispose of used batteries according to the manufacturer's instructions and your local government's recycling or disposal directives.

Attention:

Il y a un risque d'explosion si la batterie est remplacée de façon incorrecte. Ne la remplacer qu'avec le même modèle ou équivalent recommandé par le constructeur. Recycler les batteries usées en accord avec les instructions du fabricant et les directives gouvernementales de recyclage.

China RoHS Requirements (CN)

产品中有毒有害物质或元素名称及含量

AAEON System

QQ4-381 Rev.A2

部件名称	有毒有害物质或元素					
	铅 (Pb)	汞 (Hg)	镉 (Cd)	六价铬 (Cr(VI))	多溴联苯 (PBB)	多溴二苯醚 (PBDE)
印刷电路板 及其电子组件	×	○	○	○	○	○
外部信号 连接器及线材	×	○	○	○	○	○
外壳	○	○	○	○	○	○
中央处理器 与内存	×	○	○	○	○	○
硬盘	×	○	○	○	○	○
液晶模块	×	○	○	○	○	○
光驱	×	○	○	○	○	○
触控模块	×	○	○	○	○	○
电源	×	○	○	○	○	○
电池	×	○	○	○	○	○

本表格依据 SJ/T 11364 的规定编制。

○：表示该有毒有害物质在该部件所有均质材料中的含量均在 GB/T 26572 标准规定的限量要求以下。

×：表示该有害物质的某一均质材料超出了 GB/T 26572 的限量要求，然而该部件仍符合欧盟指令 2011/65/EU 的规范。

环保使用期限(EFUP (Environmental Friendly Use Period)) : 10 年

备注：

- 一、此产品所标示之环保使用期限，系指在一般正常使用状况下。
- 二、上述部件物质中央处理器、内存、硬盘、光驱、电源为选购品。
- 三、上述部件物质液晶模块、触控模块仅一体机产品适用。

China RoHS Requirement (EN)

Name and content of hazardous substances in product

AAEON System

QO4-381 Rev.A2

Part Name	Hazardous Substances					
	铅 (Pb)	汞 (Hg)	镉 (Cd)	六价铬 (Cr(VI))	多溴联苯 (PBB)	多溴二苯醚 (PBDE)
PCB Assemblies	×	○	○	○	○	○
Connector and Cable	×	○	○	○	○	○
Chassis	○	○	○	○	○	○
CPU and Memory	×	○	○	○	○	○
Hard Disk	×	○	○	○	○	○
LCD Modules	×	○	○	○	○	○
CD-ROM/DVD-ROM	×	○	○	○	○	○
Touch Modules	×	○	○	○	○	○
Power	×	○	○	○	○	○
Battery	×	○	○	○	○	○

The table is prepared in accordance with the provisions of SJ/T 11364.

○ : Indicates that said hazardous substance contained in all of the homogenous materials for this product is below the limit requirement of GB/T 26572.

× : Indicates that said hazardous substance contained in at least one of the homogenous materials used for this part is above the limit requirement of GB/T 26572. But this product still be compliance with 2011/65/EU Directive (allowed with 2011/65/EU Annex III of RoHS exemption with number 6(c),7(a),7(c)-1).

EFUP (Environment Friendly Use Period) value: 10 years.

Notes:

1. This product defined period of use is under normal condition.
2. In above part, CPU/Memory/ Hard Disk/CD-ROM/DVD-ROM/ Power are optional.
3. In above part, LCD Modules/ Touch Modules are for all-in-one product model.

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Chapter 1

Product Specifications

1.1 Specifications

System

Processor	Rockchip RK3399 Processor (Quad-Core Arm® Cortex® -A53, 1.6 GHz & Dual-Core Arm® Cortex® -A72, 2.0 GHz)
Operating System	Android™ 11
Memory	Onboard LPDDR4 2GB/4GB (Default)
Storage	eMMC 64GB (Default)/128GB
Display	10.1" WXGA (1280 x 800) 800 nit/300 nit TFT LCD with Projected Capacitive Multi-Touch Screen
I/O Port	Micro HDMI x 1 SIM Card Slot x 1 Micro SD Card Slot x 1 Audio Jack x 1 (3.5mm) USB 3.2 Gen 1 x 2 (USB Type-C x 1) USB 2.0 x 2 DC-in Jack x 1 COM Port x 1 (RS-232/422/485) 10/100/1000 Base-T RJ-45 x 1
Communication	Wi-Fi 802.11 a/b/g/n/ac Bluetooth v5.2 (EDR + BLE)
Navigation	GPS + GLONASS (Default) BeiDou (Optional)
WWAN (Optional)	LTE via M.2 3042 B-Key (Optional)
Camera	8MP Front Camera, MIPI I/F 8MP Rear Camera with Flash, MIPI I/F
Sensor	G-Sensor, E-Compass, Gyro-Sensor, Light-Sensor

System

Expansion Slot	M.2 3042 B-Key (For LTE module) Docking Connector: USB 2.0 x 1
Barcode Scanner (Optional)	2D Barcode Scanner, OPTICON MDI-4100-USB
HF RFID (Optional)	ISO 15693 (R/W) ISO 18092 (R/W) ISO 14443-A (R/W) ISO 14443-B (Only Reads UID), dependent on card type
Audio	Speaker x 1
Physical Key	F0 (Can be defined by customer) F1 (BCR Trigger Button, when BCR is enabled) F2 (Screenprint) F3 (Audio On/Off) Volume Up (Speaker Volume Up) Volume Down (Speaker Volume Down)

Mechanical

Color	Black & Dark Grey
Dimension (W x H x D)	10.71" x 7.48" x 0.80" (272.0mm x 190.0mm x 20.4mm)
Gross Weight	2.2 lb. (1.0Kg) based on configurations

Environmental

Operating Temperature	-4°F ~ 122°F (-20°C ~ 50°C)
Storage Temperature	-22°F ~ 158°F (-30°C ~ 70°C)
Humidity	0% ~ 90% relative humidity, non-condensing
Environmental Sealing	IP65

Environmental

Vibration	MIL-STD-810H: 2019, 514.8 Procedure I Table 514.8C-I Category 4 common carrier 5~500Hz X, Y, Z axes, 1-hour duration for each axis
Drop	MIL-STD-810H: 2019, 516.8 Procedure IV Drop height: 122 cm Number of Drops: 26, for all surfaces, edges and corners Condition: Based on 2" plywood over concrete
Shock	MIL-STD-810H: 2019, 516.8 Procedure V
ESD	Air charge: +/- 8KV, Contact charge: +/- 4KV
Certifications and Standards	CE, FCC, TELEC

Power Supply

AC/DC Adapter	AC 100V ~ 240V, 50Hz ~ 60 Hz, Output: 12V/ 3A/ 36W
Battery Life	Li-ion Battery (8-hour battery life based on test configurations)
Master Battery	Hot-Swappable Battery: 14.4V, 2270mAh, 32.7W
Slave Battery	7.4V, 1530mAh, 11.3W

Display

LCD	10.1" TFT-LCD Display
Resolution	1280 x 800
Maximum Color	16.7M
Dot Size (H x V)	0.1692mm x 0.1692mm
Brightness	300 nits (800 nits, Optional)
Viewing Angle	Horizontal: 170°, Vertical: 170° (Typical)

Touch Screen

Touch Type	Projected Capacitive Multi-Touch Screen (PCT)
Light Transmission	Min. 87%

Chapter 2

Getting Started

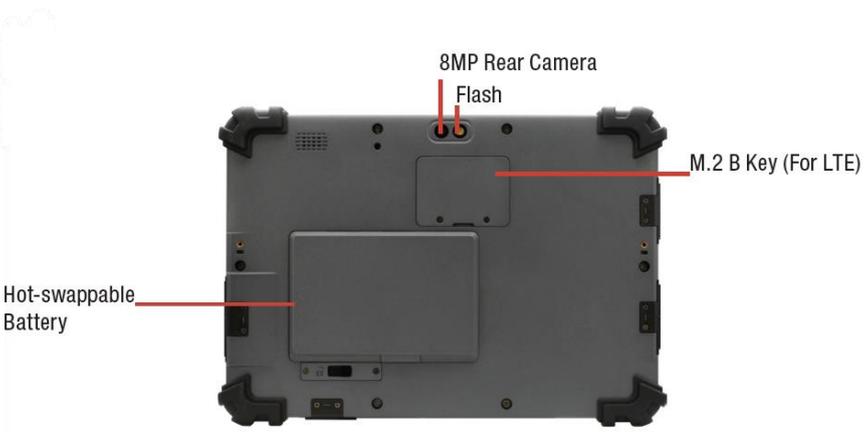
2.1 Product Overview

Front View



Function	Description
Power Button	(1) Power On or Shutdown Device (2) Enter Sleep Mode
HF RFID	High-Frequency RFID Reader
8MP Front Camera	8MP Front Camera
Light Sensor	Ambient Light Sensor
Function Key x 6	Programmable Function Key: F0 (can be defined by customer) F1 (BCR Trigger Button, when BCR is enabled) F2 (Screenprint) F3 (Audio On/Off) Volume Up, Volume down

Rear View



Function	Description
Flash	Rear Camera LED Flash
8MP Camera	With LED Flash
M.2 Slot	For LTE module (Need to order LTE version)
Battery Bay	Hot-Swappable Battery x 1

Side View (Bottom-Left)



Function	Description
2D Barcode Scanner	1D/2D Barcode Scanner
HDMI	Micro HDMI
SIM Card Slot	Micro SIM Card Only
SD Card Slot	Micro SD Card Only, supports up to SDXC
Audio Jack	3.5mm Stereo Headphone Jack
USB 3.2 Gen 1	USB Type-C x 1
DC-in Jack	12V DC

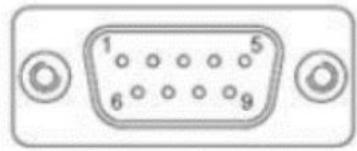
Side View (Top-Right)



Function	Description
Kensington Lock	Device Lock
Docking Connector	RTC-1010RK Connection for Docking Station
USB 2.0	Type A x 2
GbE	RJ-45
COM Port	RS-232/422/485

2.2 Port Pin Definitions

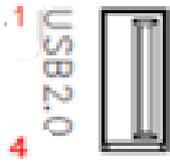
2.2.1 COM Port Pin Definition (RS232/422/485)



Serial Port Pin Definition			
Pin	RS-232	RS-485	RS-422 & 485 1T/1R
1	DCD	DATA-	TX-
2	RX	DATA+	TX+
3	TX		RX+
4	DTR		RX-
5	GND		
6	DSR		
7	RTS		
8	CTS		
9	RI		

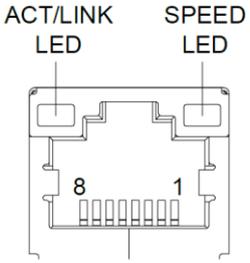
Note: COM Port Mode (RS-232, RS-422, RS-485) can be set in the system BIOS. After entering the BIOS, go to the Main Menu, then select "COM PORT MODE" to change the settings.

2.2.2 USB 2.0 Ports



Pin	Pin Name	Signal Type	Signal Level
1	+5VSB	PWR	+5V
2	USB_D-	DIFF	
3	USB_D+	DIFF	
4	GND	GND	

2.2.3 RJ-45 Ethernet Port



Pin	Pin Name	Signal Type	Signal Level
1	MDI0+	DIFF	
2	MDI0-	DIFF	
3	MDI1+	DIFF	
4	MDI2+	DIFF	
5	MDI2-	DIFF	
6	MDI1-	DIFF	
7	MDI3+	DIFF	
8	MDI3-	DIFF	

2.3 Notes Before Use

Before using your device, please read through the following instructions

- Use only the power adapter that comes with your device. Using a different power adapter may cause damage.
- The AC power cord is designed for the RTC-1010RK only.
- This product is intended to be supplied by a Listed Power Adapter or DC power source, rated 12Vdc, 3A minimum, T_{ma} = 40°C. Please contact AAEON for further assistance.
- Using a power outlet is the best way to charge your device (refer to section 1.2 for the power adapter's voltage output and acceptable input).
- When using the device for the first time, fully charge the battery for up to 8 hours. If the device is inactive, charging the battery once per month is recommended to prevent battery life deterioration.
- There are two batteries in the RTC-1010RK: Both batteries can be monitored at the title bar). Charge the device once Hot-swappable battery drops below 20%.
- Always allow your battery to be fully charged before use.
- To prolong battery life, allow a fully charged battery to discharge more than 95% before recharging.
- Ensure that the battery cover is properly secured by manually pushing the pin to lock position.
- The RTC-1010RK CANNOT be charged via an USB connection.
- The IP65 waterproof protection may get damaged when subjected to shock greater than levels tested in MIL-STD-810H: 2019, 516.8 Procedure I. The protection may also be affected if the rubber connector fails to cover or close firmly.

2.4 Turning on the Device

The power button turns your device on and off. Hold the button for one second to power on.

To start or wake from sleep mode, hold the power button for 0.5 seconds until the shutdown confirmation is shown. If the system remains unresponsive, press and hold the power button to force power off (may result in data loss). It is strongly recommended that the user back up important data regularly.

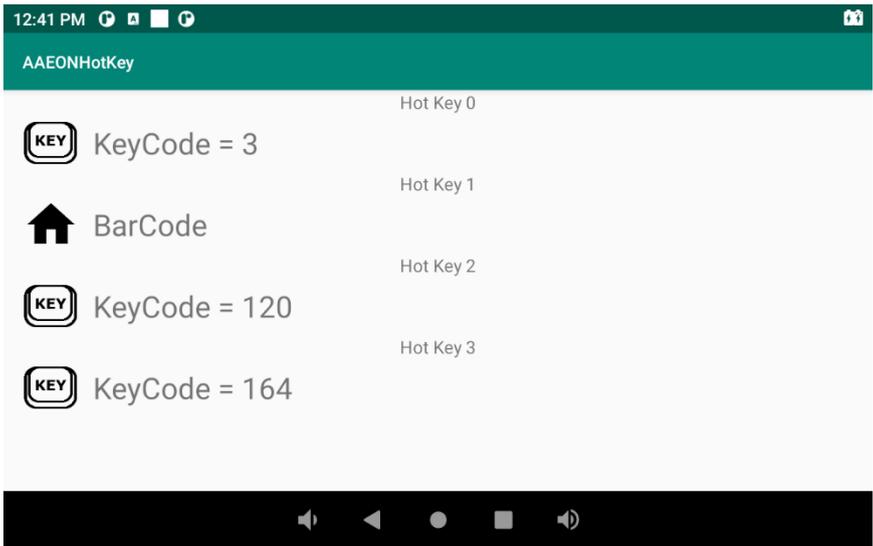
Insert the Battery Pack and make sure the battery cover is securely locked. The initial booting sequence may take several minutes to complete.

2.5 Setting the Function Keys

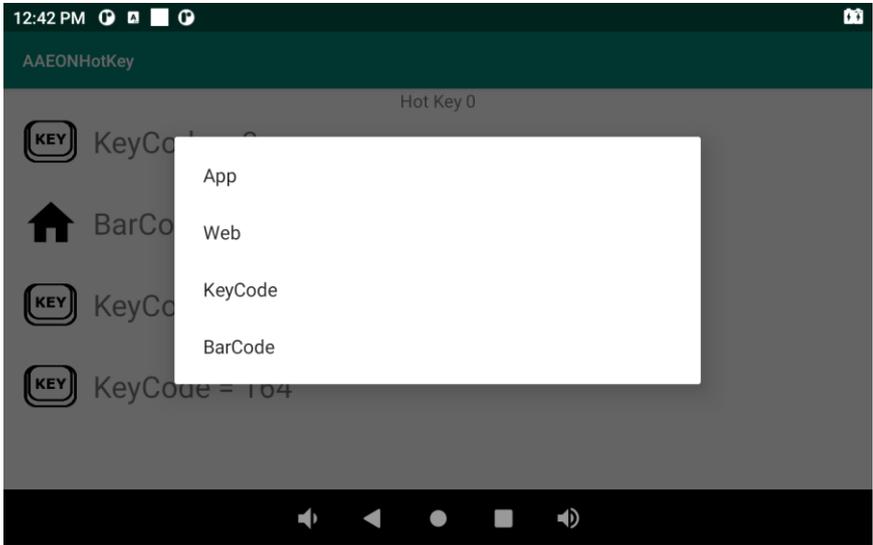
This section details how you can set the programable Function Keys, F0, F1, F2, and F3. The default settings are listed in the Product Overview. To begin, launch the AAEON Hot Key App.



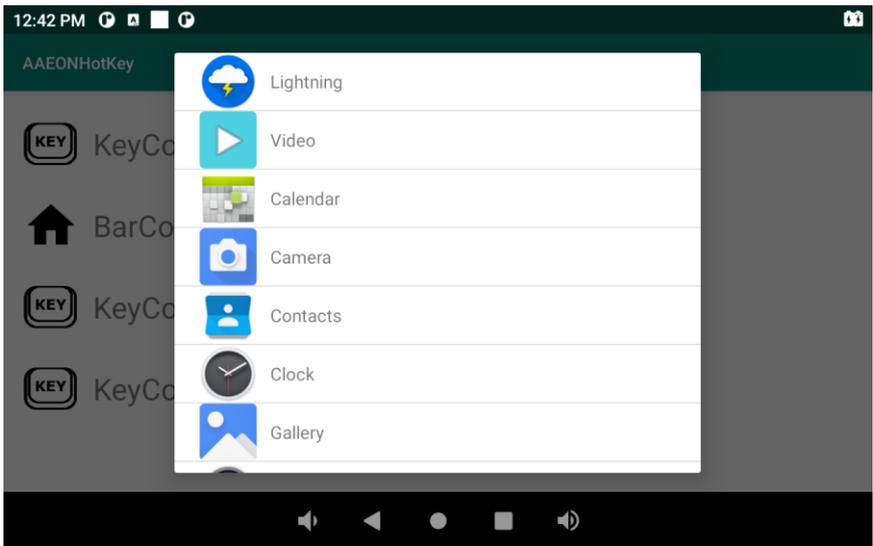
In the main menu you will find the four programable keys. F0 is Hot Key 0, F1 is Hot Key 1, F2 is Hot Key 2, and F3 is Hot Key 3. Select the key you wish to modify.



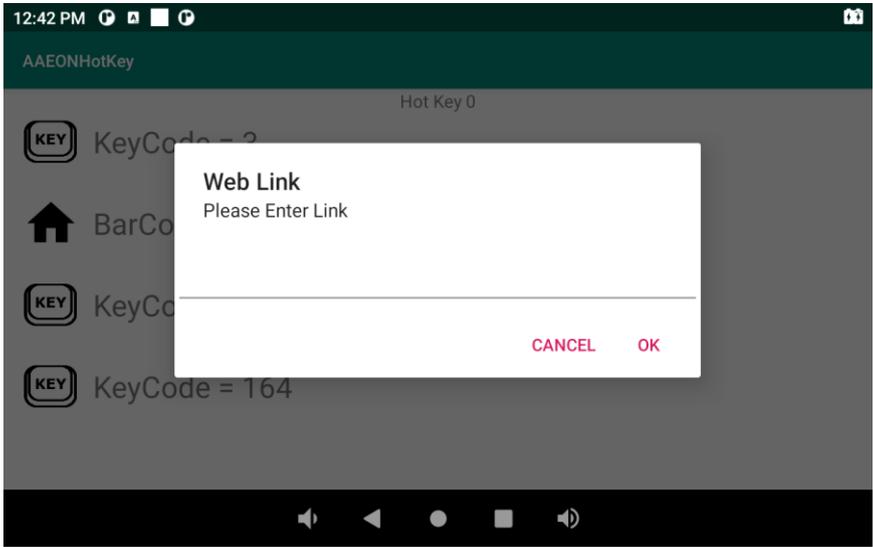
Keys can be set to one of four main functions: App, Web, KeyCode, and Barcode.



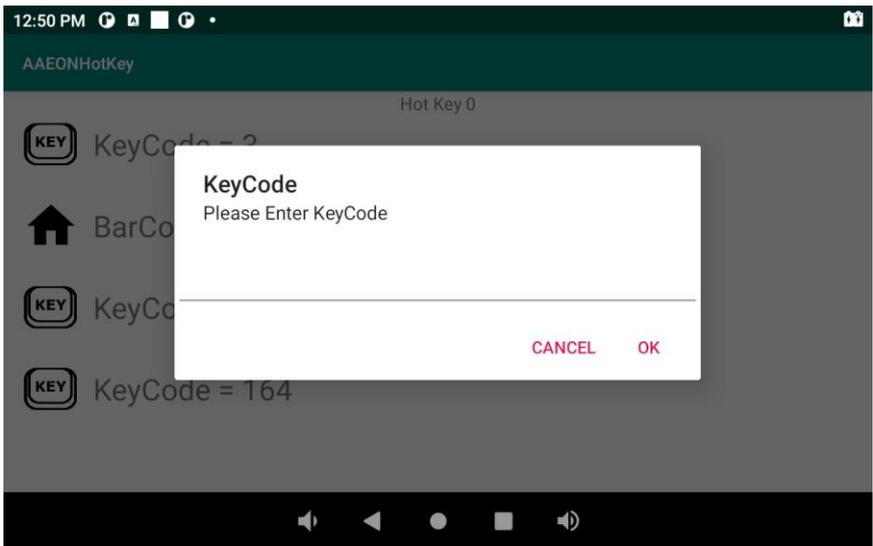
App allows you to set the hot key to launch any app that is installed on the device.



Web will allow you to set a URL, which will open in your default browser when the hot key is pressed.



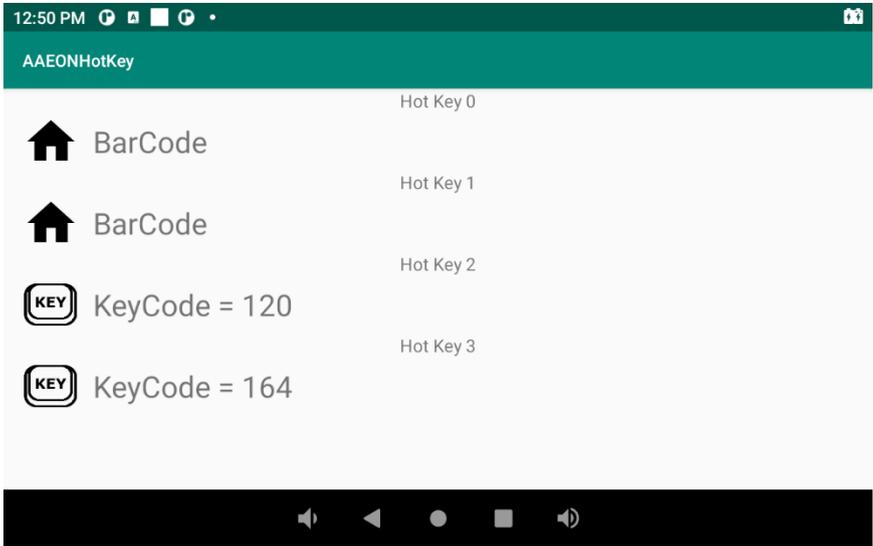
KeyCode will allow you to set the hot key to perform a specified action based on Android key codes.



For a full list of Android KeyCodes, visit the Android developer website:

<https://developer.android.com/reference/android/view/KeyEvent>

Barcode will allow you to trigger barcode scanner.



Chapter 3

Accessories

3.1 Barcode Scanner

The barcode scanner accessory enables the RTC-1010RK to read barcodes to perform various actions. Note: the barcode scanner does not ship with any software or SDKs.

Perform the following test to check if the scanner is working:

1. Open the Notepad application
2. Scan a barcode
3. If the scanner is working, the code will be entered as text into Notepad

For detailed specifications and operating instructions, please refer to the bar code scanner manual in the driver disk provided.

You can scan the barcode below to change the USB interface type.



@MENU_OPTO@ZZ@X.Z
@SU@ZZ@OTPO_UNEM@

Description	Code
Change to Maintenance mode	X.Z
Defaults USB HID	SU



@MENU_OPTO@ZZ@X.Z
@C01@ZZ@OTPO_UNEM@

Description	Code
Change to Maintenance mode	X.Z
Defaults USB VCP	C01

Chapter 4

Frequently Asked Questions

4.1 Frequently Asked Questions (FAQ)

1. What is the default storage path for downloaded software?

The default path is: sdcard/download.

2. How do you disable the auto stand-by function?

Select Settings-> Display-> Sleep-> Never.

3. How to configure input methods?

After installing the input app, select Settings-> System -> Language & Input-> Default-> Setup input methods-> Select an Input method.

4. How to disable screen lock?

Select Settings->Security->Screen Lock->None

5. How to speed up GPS?

Select Setting-> Turn on Location access-> Check GPS Satellites-> Check WiFi & mobile network location

6. How to take screenshots?

Select Setting-> Screenshot. The photos will be saved to Image/ Screenshot.

7. How to uninstall applications?

Select Settings-> Apps-> Select application -> Uninstall.

8. How to change the home screen wallpaper?

Select Settings-> Display-> Wallpaper-> Select the image file you wish to use as a wallpaper.

9. How to remove shortcuts from the home screen?

Long press the app shortcut until the Remove icon "X" appears at the top of the home screen. Drag and drop the app onto the "X" to remove the shortcut from home screen. (Note: This will not uninstall the app.)

10. How to add a shortcut to the home screen?

Long press the app from the app drawer and drag it to the home screen

11. How to stop the screen from rotating automatically?

Select Settings->Display->Uncheck "Auto-rotate screen".

12. How to start GPS services?

Select Settings-> Location access-> Enable Access to my location-> Check GPS Satellites.

13. How to change the default browser homepage?

Launch Browser-> Select the icon at the top right corner of the browser-> Settings-> General Settings-> Homepage

Appendix A

Statements

A.1 Statements

Declarations and Safety Statements

Federal Communications Commission Statement

This device complies with part 15 of the FCC Rules. Operation is subject to the following conditions: (1) This device may not cause harmful interference (2) This device must accept any interference received, including interference that may cause undesired operation.

This device has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment causes harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.
- Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

The antenna(s) used for this transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

RF Exposure Information (SAR)

This device meets the government's requirements for exposure to radio waves. This device is designed and manufactured not to exceed the emission limits for exposure to radio frequency (RF) energy set by the Federal Communications Commission of the U.S. Government.

The exposure standard employs a unit of measurement known as the Specific Absorption Rate (SAR). The SAR limit set by the FCC is 1.6W/kg. Tests for SAR are conducted using standard operating positions accepted by the FCC with the EUT transmitting at the specified power level in different channels.

The highest SAR value for the device as reported to the FCC is 1.01 W/kg when placed next to the body.

The FCC has granted an Equipment Authorization for this device with all reported SAR levels evaluated as in compliance with the FCC RF exposure guidelines. SAR information on this device is on file with the FCC and can be found under the Display Grant section of www.fcc.gov/oet/ea/fccid on the FCC ID: OHBRTC1010RK

Federal Communication Commission (FCC) Radiation Exposure Statement

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. End user must follow the specific operating instructions for satisfying RF exposure compliance.

A.2 Canadian Notice

IC Regulations

This device complies with Industry Canada license-exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

This Class B digital apparatus complies with Canadian ICES-003.

Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada.

This Category II radio communication device complies with Industry Canada Standard RSS-310.

Ce dispositif de radio communication de catégorie II respecte la norme CNR-310 d'Industrie Canada.

IC Radiation Exposure Statement

This EUT is compliant with SAR for general population/uncontrolled exposure limits in IC RSS-102 and has been tested in accordance with the measurement methods and procedures specified in IEEE 1528. This equipment should be installed and operated with minimum distance 0 cm between the radiator and your body.

This device and its antenna(s) must not be co-located or operating in conjunction with any other antenna or transmitter.

The County Code Selection feature is disabled for product marketed in the U.S. and Canada.

For products available in the U.S./Canada markets, only channels 1-11 can be operated. The selection of other channels is not possible.

A.3 Safety Caution

Important Safety Instructions

Power Safety Requirement

Products with electrical current ratings up to 3A and weighs more than 1 Kg must use approved power cords greater than or equal to: VCTF, 3G or 0.75mm².

Basic safety precautions should always be followed to reduce the risk of fire, electric shock and injury to persons, including the following:

- Do not use this product near water, for example, near a bathtub, wash bowl, kitchen sink or laundry tub, in a wet basement or near a swimming pool.
- Avoid using a telephone (other than a cordless type) during an electrical storm. There may be a remote risk of electric shock from lightning.
- Do not use the telephone to report a gas leak in the vicinity of the leak.
- Use only the power cord and batteries indicated in this manual. Do not dispose of batteries in a fire. They may explode. Check with local codes for possible special disposal instructions.

Instructions importantes de sécurité.

Exigences de sécurité concernant l'alimentation.

Les produits dont le courant électrique monte jusqu'à 3A et pesant plus de 1Kgs doivent utiliser un cordon d'alimentation approuvé égal ou supérieur à VCTF, 3G ou 0.75mm²

Des mesures de précaution de base doivent toujours être suivies afin de réduire les risques d'incendie, de choc électrique et de blessures aux personnes, incluant :

- *Ne pas utiliser ce produit près de l'eau, par exemple dans une baignoire, une cuvette, un évier, une machine à laver, un sous-sol humide ou une piscine.*
- *Eviter d'utiliser un téléphone (autre que sans fil) pendant un orage électrique ? il y a un risque de choc électrique à distance lié à la foudre.*

- *Ne pas utiliser le téléphone pour alerter lors d'une fuite de gaz si vous êtes dans le voisinage de la fuite*
- *Utiliser seulement le cordon d'alimentation et la batterie indiqués dans le manuel. Ne pas jeter les batteries dans le feu. Elles pourraient exploser. Vérifier les dispositions locales de recyclage.*

A.4 Battery Disposal

	<p>There is a risk of explosion if the battery is replaced by an incorrect type. Dispose of used batteries according to the instructions.</p> <p><i>Il y a un risque d'explosion si la batterie est remplacée par un autre type incorrect.</i></p> <p><i>Disposer de la batterie en accord avec les instructions.</i></p>
	<p>This symbol indicates that the battery should NOT be placed in municipal waste.</p>
	<p>DO NOT throw out the tablet with municipal waste. This product is designed for proper reuse of parts and recycling. This symbol indicates that the products (electrical, electronic equipment and mercury-containing button cell battery) should not be placed in municipal waste. Check local regulations for disposal of electronic products.</p>
	<p>SAFE TEMP: The RTC-1010RK should only be used in environments between -20°C (-4°F) and 50°C (122°F).</p>

A.5 Battery Caution

There is a danger of explosion if the battery is incorrectly replaced. Replace only with the same or equivalent type recommended by the manufacturer. Dispose of used batteries according to the manufacturer's instructions.

*Il y a un risque d'explosion si la batterie est remplacée par un autre type incorrect.
Disposer de la batterie en accord avec les instructions.*

1. User Manual

Read user manual before using the battery pack. Maintain a copy of the manual for reference as needed.

2. Exposure to Sunlight

Do not use, charge or store battery pack in direct sunlight, or leave in a vehicle unattended. This may shorten the battery's life, reduce charging capacity, or cause the battery to generate heat or catch fire.

3. Static Electricity

Battery pack features a protection circuit designed to prevent damage to the battery pack during normal use. Do not use or store near sources of static electricity (greater than 100V), as this may damage the protection circuit, resulting in damage to the battery pack, battery rupture, or fire.

4. Charging Temperature Range

Recommended charging temperature range is 10°C to 45°C. Do not charge the battery pack outside of the recommended range, as this may shorten the battery's life, reduce charging capacity, damage the battery pack, or cause it to generate heat.

5. Charging Method

If using a charging dock or accessory, please read the user manual for the charger before use and follow the recommended charging methods in that manual.

6. First Time Use

If you are using a battery pack for the first time and notice rust, bad smell, or something abnormal (ex: inflated), DO NOT USE the battery pack. Contact the vendor for immediate replacement.

7. Leakage

If the battery pack is leaking and the fluid comes in contact with clothing or skin, immediately wash with fresh water. The battery fluid may cause skin irritation.

8. Storage Conditions

When storing a battery pack for long periods of time, store in a dry place with no exposure to corrosive gases, within the following temperature ranges:

Less than 1 month, -20°C to 50°C

Less than 3 months, -20°C to 40°C

Less than 1 year, -20°C to 20°C

Check regularly to ensure there is no condensation on the battery pack.

9. Long Term Storage Maintenance

When storing battery packs for long periods of time, in order to maintain battery pack life and charging capability, the battery pack should be charged to 50% capacity every 30-45 days.

If the battery pack remains in under-voltage state for a long time, DO NOT use fast charging. It is recommended that you ship the battery to AAeon for inspection before use.

10. Do not use the battery pack if any part of it is protruding or inflated. Replace with a new battery pack immediately.
11. If the battery pack cannot be charged (won't hold a charge, system is unable to charge it), replace the battery pack with a new one immediately.
12. AAEON suggests replacing the battery pack after one year to ensure consistent performance of your rugged tablet device.

A.6 Adapter Caution

This RTC is for use with model NO. FSP036-DHAN3 (AAEON Part number: 1255300365)

Ce modèle RTC est à utiliser avec le modèle n° FSP036-DHAN3. (AAEON Référence : 1255300365)

A.7 FCC Interference Statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

FCC Caution: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

This device and its antenna(s) must not be co-located or operating in conjunction with any other antenna or transmitter.

IMPORTANT NOTE:**Federal Communication Commission (FCC) Radiation Exposure Statement**

This EUT is compliance with SAR for general population/uncontrolled exposure limits in ANSI/IEEE C95.1-1999 and had been tested in accordance with the measurement methods and procedures specified in OET Bulletin 65 Supplement C.

A.8 Regulatory Information and Disclaimers

Installation and use of this Wireless LAN device must be in strict accordance with the instructions included in the user documentation provided with the product. Any changes or modifications (including the antennas) made to this device that are not expressly approved by the manufacturer may void the user's authority to operate the equipment.

The manufacturer is not responsible for any radio or television interference caused by unauthorized modification of this device, or the substitution of the connecting cables and equipment other than manufacturer specified. It is the responsibility of the user to correct any interference caused by such unauthorized modification, substitution or attachment. Manufacturer and its authorized resellers or distributors will assume no liability for any damage or violation of government regulations arising from failing to comply with these guidelines.