

User's Guide

-RF Module

This handbook contains important security measures and the correct use of the product information. In order to avoid accident, please make sure to reading the manual carefully before use the device.

Attention:

This instruction contains the correct use of the product information, in order to avoid accidents. Please make sure to reading the manual carefully before use the device.

- Do not use alcohol, diluents or any other chemicals to clean the surface, otherwise, it will be corroded and even damaged.
- Please don't be in high temperature, moisture or very dust place.
- Please choose the appropriate volume. Use headphones should not be too big volume, if feel tinnitus, lower the volume or stop using it.
- When the device in the format or ongoing upload and download file, please don't suddenly disconnect, this could cause application error.
- USB just only be used for data transmission.
- Performance and functionality of the product may be different if the version of software and hardware is different. Any change will be without notice. Our company reserves the right to improve the products.
- If you have any questions about the tablet, please contact with us. Attempt to disassemble the product may damage it and avoid your warranty. Users will be responsible for all the consequences caused by disassembling.

Main Functions:

- Based on the Android 11 operating system and supports WiFi function.
- Supports MP3/AAC/OGG/WAV for audio.
- Supports automatic browse for picture in JPG/BMP/JPEG/GIF.
- Supports AVI/3GP/MP4/MKV/MOV/TS/FLV and up to 2160P for video.
- Supports OTG function, external mouse and keyboard.

Operational Description:

● Description

The product is based on Rockchips 3568 processor chipset platform with Android OS 11 The majority of Multi-Function Monitor circuitry consists of fifteen device chipsets, and these chipsets ate divided into different function sub-system or units.

RK3568 is a high-performance and low power quad-core application processor designed for personal mobile internet device and AIoT equipments.

Many embedded powerful hardware engines provide optimized performance for high-end application. RK3568 supports almost full-format H.264 decoder by 4K@60FPS, H.265 decoder by 4K@60fps, also support H.264/H.265 encoder by 1080p@60fps, high-quality JPEG encoder/decoder, and special image preprocessor and postprocessor.

Embedded 3D GPU makes rk3568 completely compatible with OpenGL ES1.1/2.0/3.2, OpenCL 2.0 and Vulkan 1.1 . Special 2D hardware engine will maximize display performance and provide very smoothly operation.

The build-in NPU supports INT8/INT16/FP16/BFP16 hybrid operation. In addition, with its strong compatibility, network models based on a series of frameworks such as TensorFlow/MXNet/PyTorch/Caffe can be easily converted.

RK3568 has high-performance dual channel external memory interface (DDR3/DDR3L/DDR4 /LPDDR3/LPDDR4/LPDDR4X) capable of sustaining demanding memory bandwidth, also provides a complete set of peripheral interface to support very flexible applications.

For WLAN : CPU send uplink data over USB-bus to AP6256, AP6256 modulate it to generate RF signals over a frequency range of 2.400 GHz~2.4835GHz and 5.18GHz~5.240GHz, and amplify RF signal is by inter amplifier, then send it to the WIFI antenna through the FIR filter. In the other way, antenna receiver signals from the air, send them to the AP6256, AP6256 demodulate signals and transfer useful data back to the CPU. Use 37.4MHz clock.

● Port function **Description**

- DC Port: +12V DC Power Socket. 2.5mm barrel type.
- USB Port: You can use it connect to USB Device.
- Audio Port: You can use it connect to 3.5mm socket audio devices.
- HDMI Port: You can use it connect to HD video display.
- USB Port: just only be used for data transmission.
- Micro Card Socket: Adds additional storage to tablet.
- Ethernet Socket: Ethernet network port.
- USB OTG Port: Use it connect to PC debug.
- LVDS Port: You can use it connect to LVDS interface LCD panel.
- EDP Port: You can use it connect to EDP interface LCD panel.

WI-FI CONNECTION AND STORE ID SETTINGS

1

When you connect to a monitor via the HDMI interface or to a screen via the LVDS and EDP interfaces, you will see the following interface

2

The LCD Monitor displays the interface as shown in the figure.



STEP 1

SETUP

Use a smart phone to setup display

Make sure Wi-Fi is turned on the phone

Use the camera app and scan the QR code to the left, selecting the link to connect to the display

If smart phone is unable to connect to the display, review troubleshooting guide

Time Remaining: 09:17

Use your mobile phone to scan this QR code.

3

This Wi-Fi name is for reference only.



Click on the hot link.

4

The LCD Monitor displays the interface as shown in the figure.

SETUP

Use the camera app and scan the QR code to the right, selecting the link to navigate to the Setup Page

If unable to access the Setup Page using QR code, open browser on phone and type this url into the address bar:
192.168.43.1:8080

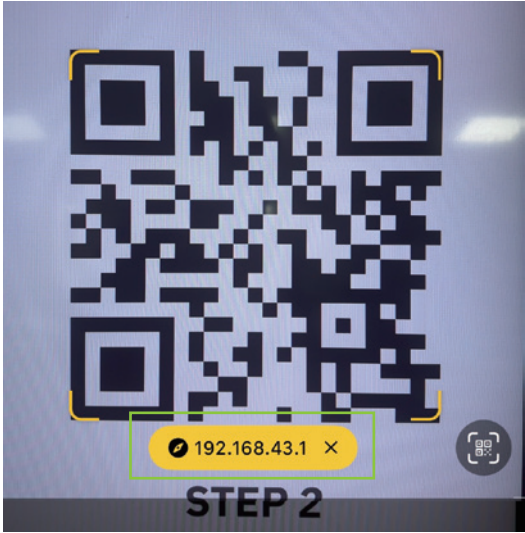


STEP 2

Time Remaining: 06:51

Use your mobile phone to scan this QR code.

5



Click on this link.

6

The LCD Monitor displays the interface as shown in the figure.

MAIN MENU

Tap to Select

 **WIFI SETUP**

 **STORE ID**



SETUP

Continue by using Setup Page on smart phone

Select from available options to complete setup of display

Be aware of the time remaining to complete setup

Time Remaining: 09:01

Click on "WIFI SETUP" on your mobile phone.

7

The LCD Monitor displays the interface as shown in the figure.

< Back

WIFI SETUP

Login to Wi-Fi Network

Network Name(SSID):

Value 

Password

Value 

Connect 

Select WiFi network name from drop-down menu

Enter WiFi password, ensuring it matches any case sensitive characters

Tap Connect button to finish

Time Remaining: 00:20

Enter your network name and password.

8

< Back

WIFI SETUP

Login to Wi-Fi Network



Watch the main monitor for progress.

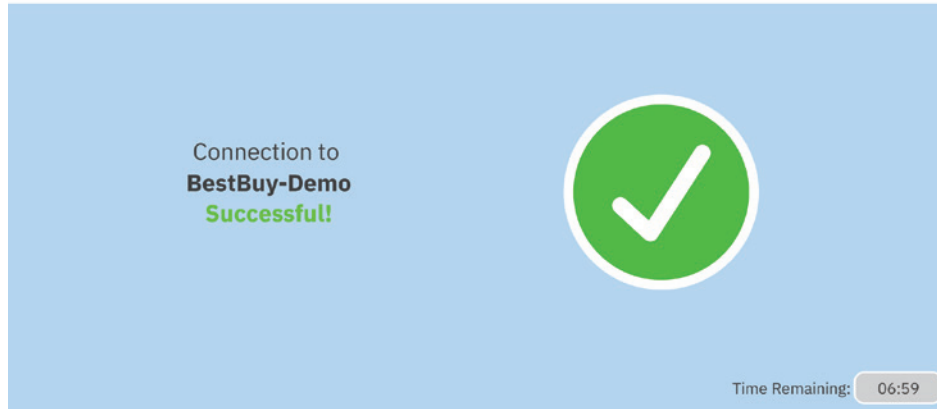
If there is an issue with the display connecting to the Wi-Fi, start the process over again.

Waiting for Wi-Fi connection.

9

The LCD Monitor displays the interface as shown in the figure.

WIFI SETUP



Wi-Fi connection successful.

10

[< Back](#)

WIFI SETUP

Login to Wi-Fi Network



Watch the main monitor for progress.

If there is an issue with the display connecting to the Wi-Fi, start the process over again.

Click "back" to return.

11

MAIN MENU

Tap to Select



WIFI SETUP



STORE ID

Click on "STORE ID" on your mobile phone.

12

[< Back](#)

STORE ID

Select Retailer and Set Store ID

Retailer Name:
Value

Store ID
Value

Set Store ID

The LCD Monitor displays the interface as shown in the figure.

STORE ID SETUP

Select Retailer name from drop-down menu

Enter the Store ID for the current location. Use four digit format
For example if Store ID is 49, precede with two zero's like 0049

Tap **Set Store ID** button to finish



Time Remaining: 08:21

Enter your Retailer Name and Store ID.

13

< Back

STORE ID

Retailer and Store ID
Set!



The LCD Monitor displays the interface as shown in the figure.

STORE ID SETUP

Retailer
BestBuy

Store ID
B001

Successful!

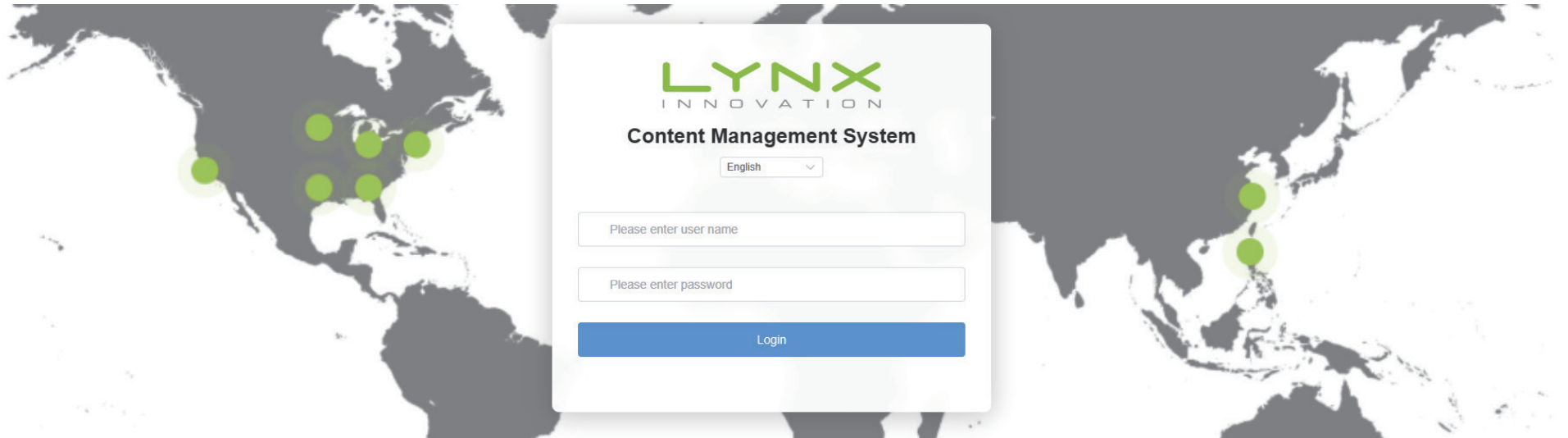


Time Remaining: 07:37

Retailer and Store ID set up successfully.

CMS INSTRUCTIONS

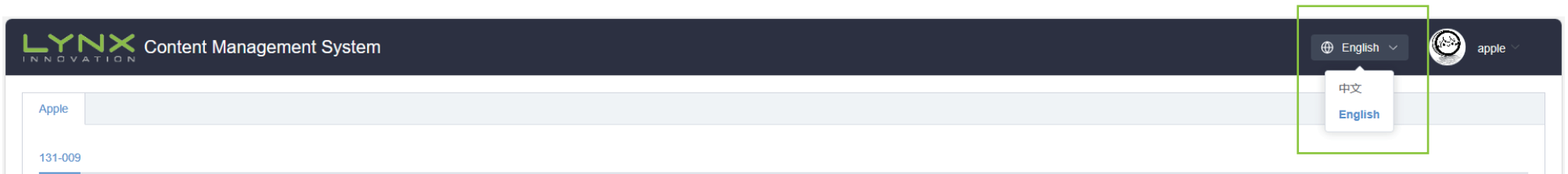
1



Logging into the Website.

Access URL: <http://8.153.72.25:9999/login> Username: apple Password: 123456

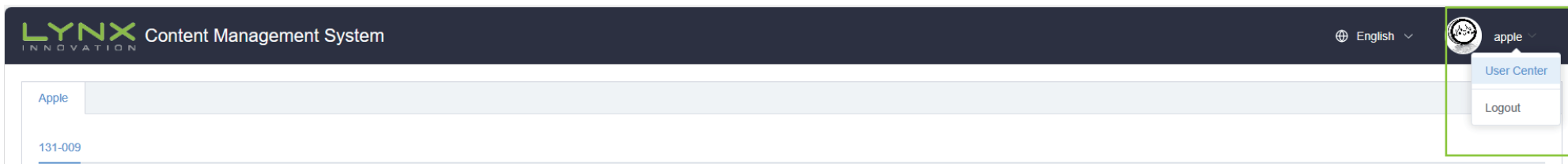
2



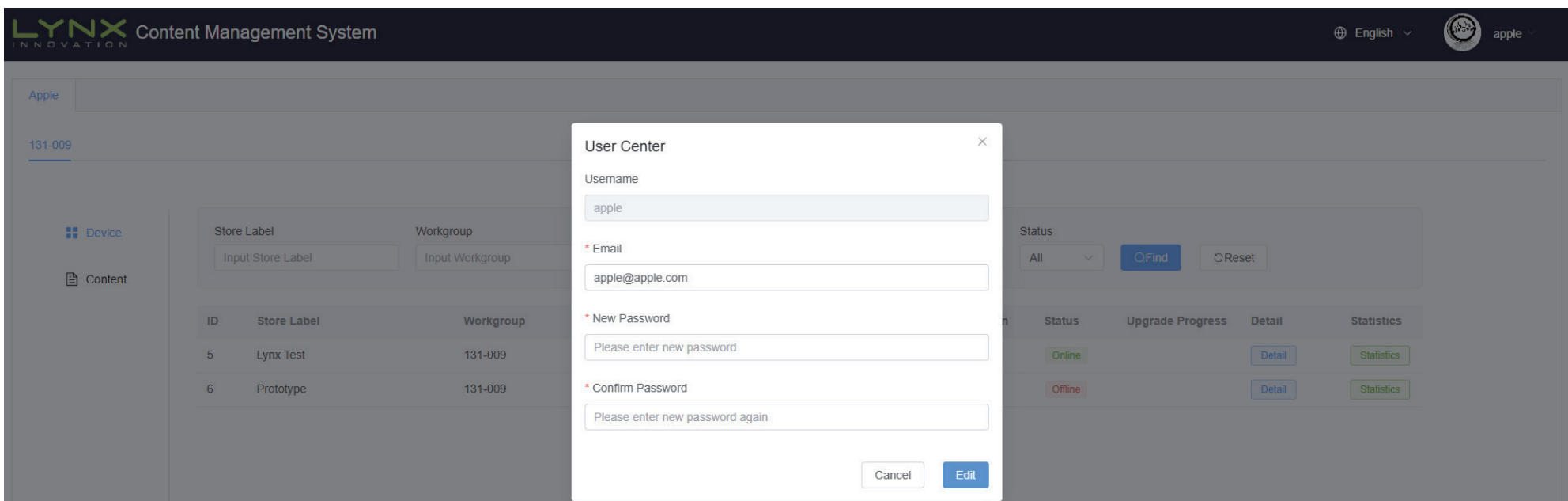
Switch between Chinese and English.

3

Change user password.



Opens the User Center panel, containing Logout.



Enter the new password and repeat to confirm the new password.

Device

Content

Store Label	Workgroup	Software Version	Content Version	Status		
Input Store Label	Input Workgroup	Input Software Version	Input Content Version	All	Find	Reset

ID	Store Label	Workgroup	Device ID	Software Version	Content Version	Status	Upgrade Progress	Detail	Statistics
5	Lynx Test	131-009	658688648d97bac8	2025-11-27 13:54:49	2025-11-26	Online		Detail	Statistics
6	Prototype	131-009	d931992e8e513230	2025-11-27 11:43:49	2025-11-27	Offline		Detail	Statistics

Device Statistics Data Page Introduction

Device Statistics Data

From

To

Button Presses

G

Button A

Product: None

374

X

Button B

Product: None

21

A

Button C

Product: Not Set

0

S

Button D

Product: Not Set

0

Summary

395

Total Press Count

198

Average Press Count

Button A

Most Pressed Button

Statistics Again: Re-run statistics. Select a start time and end time, then click "Statistics Again" to generate statistics for that period.
The area within the green box is the statistics data display area.

Device

Content

Store Label

Workgroup

Software Version

Content Version

Status

Find

Reset

ID	Store Label	Workgroup	Device ID	Software Version	Content Version	Status	Upgrade Progress	Detail	Statistics
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6	Prototype	131-009	d931992e8e513230	2025-11-27 11:43:49	2025-11-27	Offline		Detail	Statistics

1

Device Information

Device Base Information

Project ID	131-009
Display ID	d931992e8e513230
Device ID	d931992e8e513230
Software Version	2025-11-27 11:43:49
Content Version	2025-11-27
Status	Offline
Last Time	2025-11-27 12:17:49

Device Configure Information

Workgroup	131-009	Modify
Store Label	Prototype	Modify

Device Upgrade

Current Version: 2025-11-27

Upgrade Version: Select Upgrade Version

Upgrade

Reboot

Get Version Info

2

Reboot: Sends a restart command to the display.

Apple

131-009

Device

Content

1

ID	Content Label	Version	Type	Checksum	Filename	Datetime	Operation
6	测试升级01	0.0.1	MD5	b3261505215f34ee1d94c3529706bf18	2be9-6443_netapp.zip	2025/11/26 17:08:48	Delete
8	测试升级02	0.0.2	MD5	69f555f008501c18a63c44fe4f814ac5	1ea2-8fc1_netapp.zip	2025/11/26 19:52:10	Delete

Content Label Version

File Operation

Select File

No file selected

Upload

2

3

Shows all Content versions for this project, as well as the Content upload area.

Device

Content

Store Label	Workgroup	Software Version	Content Version	Status		
Input Store Label	Input Workgroup	Input Software Version	Input Content Version	All	Find	Reset

ID	Store Label	Workgroup	Device ID	Software Version	Content Version	Status	Upgrade Progress	Detail	Statistics
5	Lynx Test	131-009	658688648d97bac8	2025-11-27 13:54:49	2025-11-26	Online		Detail	Statistics
6	Prototype	131-009	d931992e8e513230	2025-11-27 11:43:49	2025-11-27	Offline		Detail	Statistics

1

✕

Device Information

Device Base Information

Project ID	131-009
Display ID	d931992e8e513230
Device ID	d931992e8e513230
Software Version	2025-11-27 11:43:49
Content Version	2025-11-27
Status	Offline
Last Time	2025-11-27 12:17:49

Device Configure Information

Workgroup	131-009	Modify
Store Label	Prototype	Modify

Device Upgrade

Current Version: 2025-11-27

Upgrade Version: 测试升级02 - 0.0.2

Device upgrade not

测试升级01 - 0.0.1

测试升级02 - 0.0.2

Upgrade Version: Select the desired target version from the dropdown menu.

Upgrade: After selecting the desired upgrade version, click this button to start the upgrade.

FCC Statement

This device and its antenna must not be located or operating in conjunction with any other antenna and transmitter.

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.

NOTE: The manufacturer is not responsible for any radio or TV interference caused by unauthorized modifications to this equipment. Such modifications could void the user's authority to operate the equipment.

NOTE: 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.

RF exposure information: This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Déclaration de la FCC

Cet équipement a été testé et jugé conforme aux limites pour un appareil numérique de classe B, conformément à la partie 15 des règles de la FCC. Ces limites sont conçues pour fournir une protection raisonnable contre les interférences nuisibles dans une installation résidentielle. Cet équipement génère, utilise et peut émettre de l'énergie radiofréquence et, s'il n'est pas installé et utilisé conformément aux instructions, il peut causer des interférences nuisibles aux communications radio. Cependant, rien ne garantit que des interférences ne se produiront pas dans une installation particulière. Si cet équipement provoque des interférences

nuisibles à la réception de la radio ou de la télévision, qui peuvent être déterminées en éteignant et en allumant l'équipement, l'utilisateur est encouragé à essayer de corriger l'interférence par une ou plusieurs des mesures suivantes:

- réorienter ou déplacer l'antenne de réception.
- augmenter la séparation entre l'équipement et le récepteur.
- branchez l'équipement sur une prise sur un circuit différent de celui auquel le récepteur est connecté.
- consultez le concessionnaire ou un technicien radio/TV expérimenté pour obtenir de l'aide.

Attention: tout changement ou modification de cet appareil non explicitement approuvé par le fabricant pourrait annuler votre autorisation d'utiliser cet équipement.

Cet appareil est conforme à la partie 15 des règles de la FCC. Le fonctionnement est soumis aux deux conditions suivantes: (1) ce dispositif ne peut pas causer d'interférences nuisibles, et (2) ce dispositif doit accepter toute interférence reçue, y compris l'interférence qui peut causer un fonctionnement indésirable.

Informations sur l'exposition aux RF

L'appareil a été évalué pour répondre aux exigences générales en matière d'exposition aux RF. L'appareil peut être utilisé en condition d'exposition portable sans restriction.

Safety Precautions

Read these simple guidelines before using your device. Not following them may be dangerous or illegal.

Aircraft

Switch off in aircraft and follow any restrictions. Wireless devices can cause interference in aircraft.

Vehicles

Never use your device while driving. Place it in a safe place. Position your device within easy reach. Be able to access your device without removing your eyes from the road.

Electronic devices

In some circumstances your device may cause interference with other devices.

Potentially explosive environments

Switch off your device when in any area with a potentially explosive atmosphere, and obey all signs and instructions. Sparks in such areas could cause an explosion or fire resulting in bodily injury or even death.

Pacemakers and other medical devices

Pacemaker manufacturers recommend that a minimum separation of 8 inches be maintained between a wireless device and a pacemaker to avoid potential interference with the pacemaker.

Operation of any radio transmitting equipment, including wireless phones may interfere with the functionality of inadequately protected medical devices.

Consult a physician or the manufacturer of the medical device to determine if they are adequately shielded from external RF energy or if you have any questions.

Switch off your device in health care facilities when any regulations posted in these areas instruct you to do so.

Operating environment

When connecting to other device, read its user guide for detailed safety instructions. Do not connect incompatible products. Do not place your device in the air bag deployment area. Use the device only in its normal operating positions as explained in the product documentation. Always switch off your device when its use is prohibited or when it may cause interference and danger.