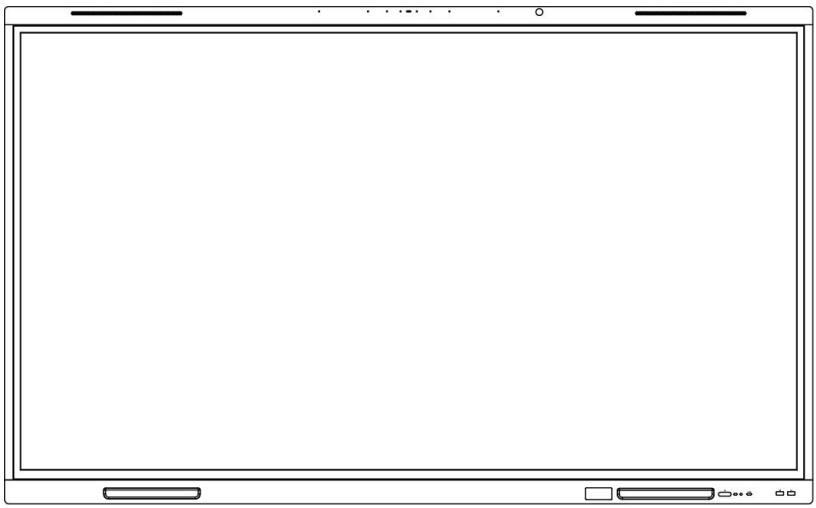

Interactive Flat Panel User Manual

Note：All the pictures in this manual are for reference only, subject to our available products.

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Safety Warning

Before operating, please read this manual thoroughly, and keep it for future reference.

Image shown in this manual is indicative only. There may be differences between the pictures and the actual product, please prevail in kind.

Placement

DO NOT put heavy objects on top of the unit.

DO NOT put the unit near appliances that generate magnetic fields.

DO NOT expose the unit to direct sunlight and other sources of heat.

DO NOT place the unit on an unstable cart, stand, tripod, bracket, table, or shelf.

DO NOT put any liquid near or on the unit, make sure do not spill any liquid inside the unit.

Power Supply

Please keep power cable from physical or mechanical damage.

Please check and ensure AC source is connected with the ground.

This power cable comes with the device exclusively for this device only.

Please unplug power supply when the weather is thunder-storm or lightning.

Check that the unit's operating voltage is identical with your local power supply.

Please use the original power cable from the accessory bag, don't modify or lengthen it.

Please unplug power supply, when there is nobody home or the unit will be in idle for a long time.

The fuse may be in the neutral, the mains shall be disconnected to de-energize the phase conductors.

LED Screen

Unplug the power cable before cleaning.

Clean the screen with a soft, dustless and dry cloth.

For deep clean, please contact an authorized service center.

Never use water or the spray type detergent to clean the unit.

Never use any other hard or sharp object to replace the touch pen.

Better for the panel lifetime and the display performance, do not display high brightness image for long time.

Temperature

Normal operating temperature is 0 ~ 40℃.

Do not place the unit near or over a radiator or a heater.

If your unit is suddenly moved from a cold to a warm place, please unplug the power cable and do not turn it on at least 2 hours, making sure the moisture inside the unit is all evaporated.

Humidity

Do not expose the unit in rain, or place in high humidity area.

Please make sure indoor environment is dry and cool.

Normal operating humidity is 10%~90%RH.

Ventilation

Please put the unit in a well-ventilated place, so the heating can be released easily.

Ensure that the unit has enough space for ventilation. Space requirement: left, right and back >10cm, top> 20cm.

Earphone

Before using earphone, please turn down the volume in advance.

Using the earphone to listen loud sound for a long time might affect the hearing.

Standby

It will enter standby mode but not turn off the unit after press the standby key.

Battery

Please make sure the battery gets proper disposal or recycle after using.

Please keep the battery away from kids and don't throw the battery into fire.

Caution risk of fire or explosion if the battery is replaced by an incorrect type.

Notes for Cleaning

There are vents on back cover, please do not use any liquid or spray directly during cleaning.

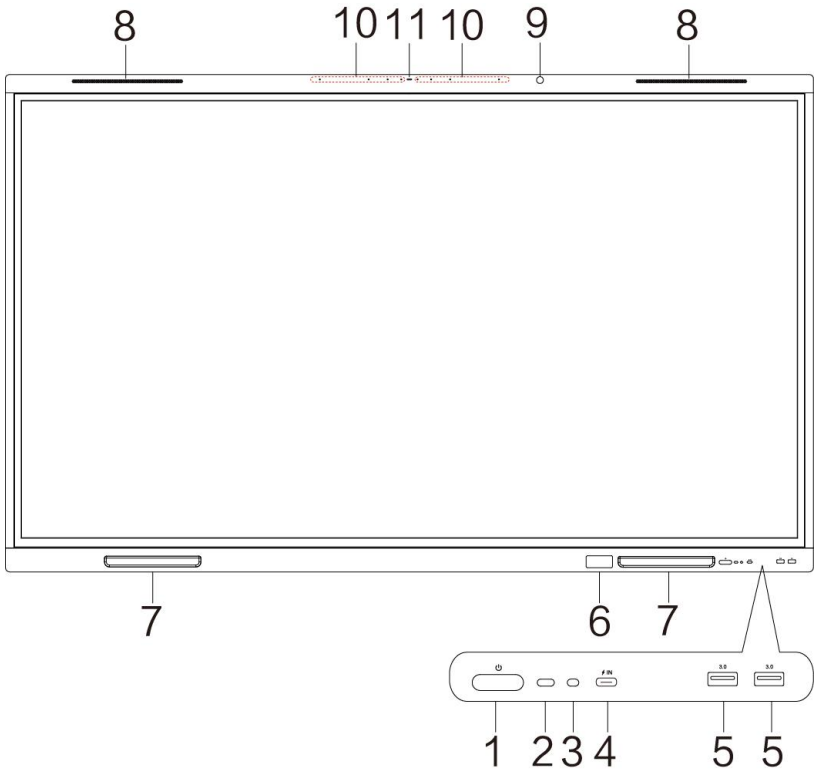
Power Switch Status Signs

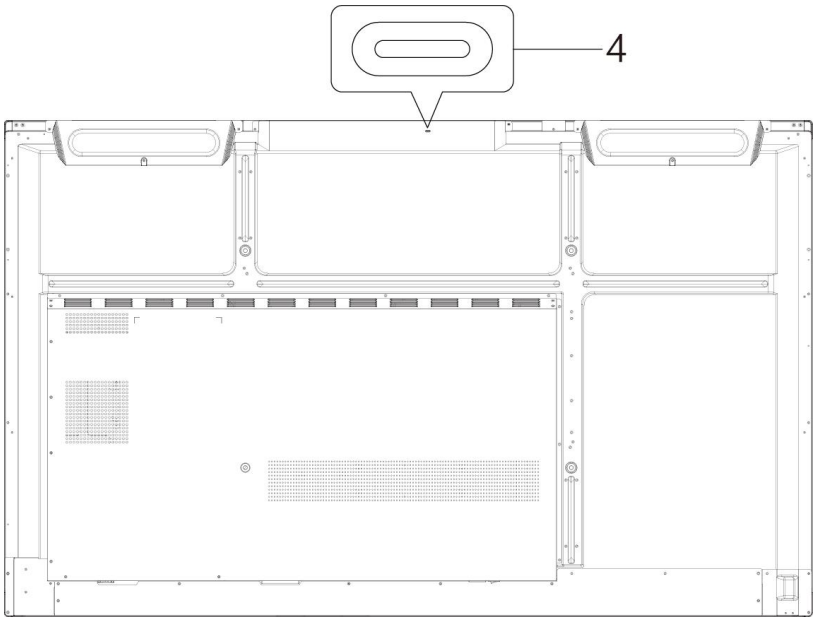
“I” means power on, “O” means power off.

Notes for Maintenance

This machine can only be maintained by certified engineer.

Prepare to Install



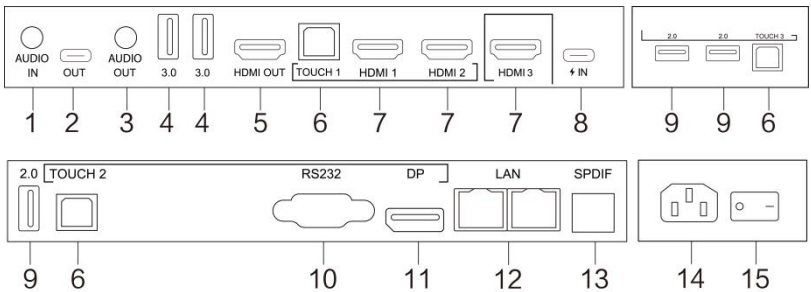


No.	Items	Function description
1	⏻	Power Button: Tap to enter energy saving function press at least 2 seconds to enter standby mode.
2	Remote control signal receiver	Receive remote control signal.
3	Light sensor	Sense ambient light to adjust backlight for appropriate brightness，it can be switched in the menu.

4	ϟ IN	USB Type C: Support charging, data transmission, extension for audio and video output interface, etc. Note： Front USB Type-C : The maximum rated power is 20V 5A (20V 3.25A when OPS is plugged in) ; Top USB Type-C : The maximum rated power is 5V 1A ; When using this port to charge electronic devices, the charging power of the electronic device cannot exceed the rated power of this port. If the charging power of the electronic device exceeds the rated charging power of this port, please Do not directly use this port for charging.
5	3.0 (5V 900mA)	Connect USB devices such as mobile hard disk, U disk, USB keyboard ,mouse, USB drives, etc.
6	NFC	NFC card reader.
7	Magnetic zone	Area for placing the absorptive magnetic pen.
8	Loudspeaker	Sound output.
9	PIR	1) The screen will light up automatically when a person is

		detected in front of the screen; 2) People in front of the screen to ensure that the screen
10	Array microphone	The sound is collected when the microphone is on
11	Microphone indicator light	White light means the microphone is working

Terminal Interface



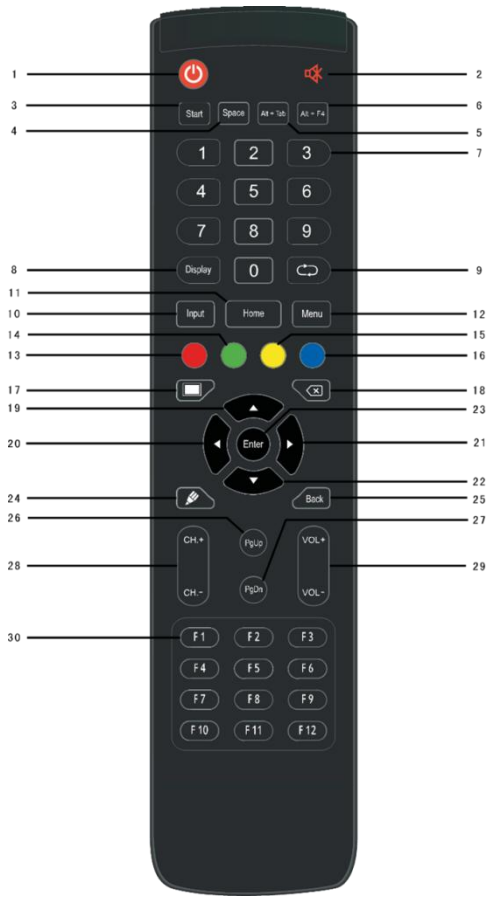
No.	Items	Function description
1	AUDIO IN	External audio sources input(It is generally used as the sound input of the VGA interface)
2	USB Type-C OUT (5V1A)	Support data transmission, extension for audio and video input interface, etc.

3	AUDIO OUT	Audio output to the external speaker
4	3.0 (5V 900mA)	Connect USB devices such as mobile hard disk, U disk, USB keyboard ,mouse, USB drives, etc.
5	HDMI OUT	Connected to the devices with HDMI input function (monitor)
6	TOUCH 1/2/3	Touch signal output to the external computer
7	HDMI 1/2/3	High-definition multimedia interface signal input, connect to devices with HDMI output interface (personal computer with HDMI output, set-top box, or another video device)
8	ϟ IN	Support charging, data transmission, extension for audio and video output interface, etc. Note：The maximum rated power of the USB Type-C port of this product is 5V 3A; When using this port to charge electronic devices, the charging power of the electronic device cannot exceed the rated power of this port. If the charging power of the electronic device exceeds the rated charging power of this port, please Do not directly use this port for charging.

9	2.0 (5V 500mA)	Connect USB devices such as mobile hard disk, U disk, USB keyboard ,mouse, USB drives, etc.
10	RS232	Serial interface, used for mutual transfer of data between devices
11	DP	Connected to devices with Display Port output function.
12	LAN	Connected to Ethernet
13	SPDIF	Carry multichannel sound via optical signals.
14	AC IN	AC power input, connecting AC power supply
15	AC SWITCH	To open or shut down AC power supply. “I” means power on, “O” means power off

Remote Control

1) Remote Control Button Instruction



2) Detailed Function Description

No.	Items	Function description
1	⏻	Power on/off
2	🔇	Enter or exit mute mode
3	Start	PC's Windows key
4	Space	PC's Space key
5	Alt+Tab	PC's Alt+Tab key
6	Alt+F4	PC's Alt+F4 key
7	Numeric keys	Numeric input
8	Display	Display channel information
9	⊂⊃	/
10	Input	Pop up settings menu
11	Home	Return to Android system main screen
12	Menu	Pop up menu

13	Red	Enable or disable keys and Touch
14	Green	Enable or disable keys
15	Yellow	Enable or disable Touch
16	Blue	Pop out or close the screen freezing tools
17	▬	Turn off or turn on the screen backlight
18	⌫	PC's Backspace
19	▲	Scroll Up
20	◀	Scroll Left
21	▶	Scroll Right
22	▼	Scroll Down
23	Enter	Confirm selection state
24		Quickly start writing software
25	Back	Return to the last operating interface

26	PgUp	Page Up
27	PgDn	Page Down
28	CH.+/CH.−	/
29	VOL+/VOL−	Increase/reduce the volume
30	F1−F12	PC's F1 − F12 function keys

NOTE: All computer − related function keys are not available without a built−in computer.

3) Remote Control Instruction

Install Batteries

1) Open back cover of battery component on the back of remote control.
2) Install AAA type battery according to the corresponding electrode, make sure battery positive and negative pole are correct ("+"to"+", "−" to "−"), please do not mix using old and new batteries.

3) After battery is installed, close the back cover of battery components, and make the following clip buckled to the bottom.

Range of remote control

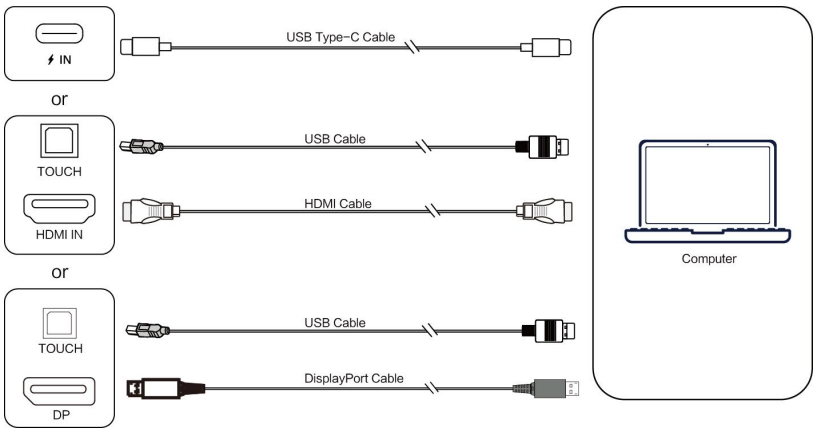
Remote control can work normally within the range of 8 meters distance, 30 degrees left and right from the remote−control receiver; in order to protect environment, please dispose waste battery into recycling box.

⚠ If the battery is replaced by an incorrect type, it may lead to explosion.

Connection and Setting

⚠For the safety of you and the machine, please do not connect any power plug before connection.

(1) External Computer and Touch Connection



1) Use USB Type-C cable to connect the computer (Or use HDMI cable to connect to HDMI output port of external computer. Or use Display Port cable to connect to display output port of external computer).
2) Use USB cable to connect to external computer USB port.
3) After cable connection, plug in power cord, and switch power on.

4) Start external computer.

5) Press ⏻ key, and the equipment is power on.

6) Switch the input source to the USB Type-C/HDMI /Display Port channel in the main menu.

⚠NOTE:

External computer input, equipment's best resolution is 3840*2160.

Recommended computer configuration:

1GB Available Hard Drive

2.0GHz Processor, 1GB Memory

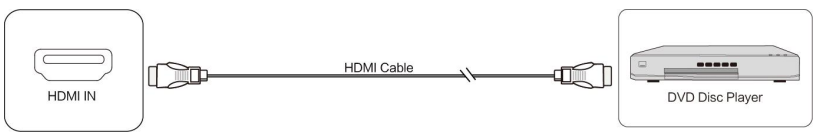
More than 256 color display cards

VGA OUT / HDMI OUT, Audio-OUT, USB Interface

Support Resolution ： 800×600,1024×768,

1920×1080,3840×2160

(2) Audio and Video Equipment



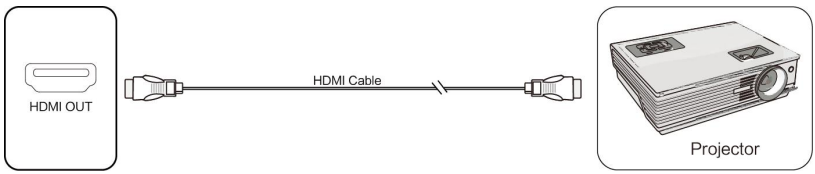
1) Use HDMI cable to connect audio and video equipment with HDMI output.

2) After cable connection, plug in power cord, and switch power on.

3) Press ⏻ to turn equipment on.

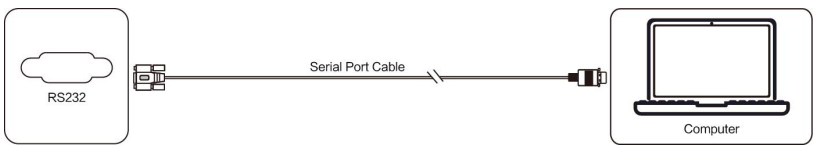
4) Switch the input source to the HDMI channel in the main menu.

(3) Audio and Video Equipment



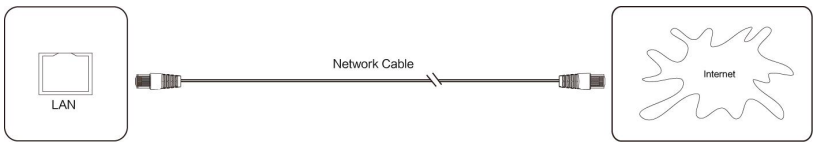
1) Use HDMI cable to connect audio and video equipment with HDMI input.
2) After cable connection, plug in power cord, and switch power on
3) Press ⏻ to turn equipment on

(4) RS232 Connection

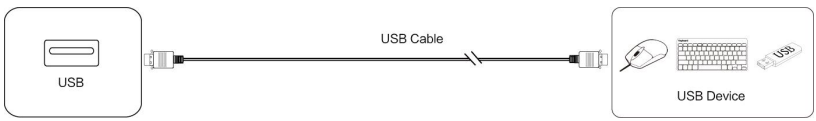


After using serial port cable to connect central control equipment and machine, certain function of the machine can be controlled via central control equipment, such as: machine ON/OFF, and adjustment of sound volume, etc.

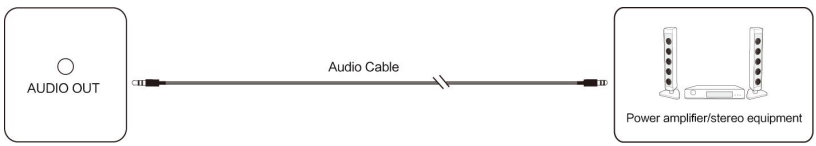
(5) LAN Connection



(6) USB Connection



(7) AUDIO OUT Connection



Simple Troubleshooting

Machine Fails to Work Normally

Remote control failure	Check whether there are other objects between remote control and equipment control receiving window, thus leading to failure of remote control.
	Check whether the battery electrode in the remote control is correct.
	Check whether remote control needs to replace battery.
Machine automatically shut down	Whether set sleep or not.
	Check whether there is sudden power outage.
	The system will automatically shut down if the interactive intelligent Panel's external channel loses signal for 5 minutes. Please check the input and connection of the signal.

PC Mode

Signal out of range	Check whether display is set correctly.
	Check whether resolution is the best resolution.
	Adjust line and field synchronization in menu.
Background has vertical lines or streaks	Select automatic correction in menu.
	Adjust clock and phase position in menu.
Image lack of color, color is incorrect	Check whether VGA is not well connected or has quality problem.
	Adjust chromatic and brightness or contrast in menu.
Display format that is not supported	Select automatic correction in menu.
	Adjust clock and phase position in menu.

Touch Function

Touch function invalid	Check whether the size of article touched is comparable with finger.

Touch positioning not correct	Check whether touch pen is facing the screen.

Video Function Can't Work Normally

No picture and no sound	Check whether the machine is started state.
	Check whether signal wire is well plugged, whether INPUT is corresponding to it.
	If in internal computer mode, check whether internal computer is started.
With horizontal or vertical stripes or image dithering	Check whether signal wire is well connected.
	Check whether other electronic equipment or power tools are placed around the machine.
No color, color is weak, or image is weak	Adjust chromatic and brightness or contrast in menu.
	Check whether signal wire is well connected.

Audio Function Can't Work Normally

With image but without sound	Check whether mute button is pressed for mute.
	Press VOL + / − to adjust volume.
	Check whether audio line is connected correctly.
Only one speaker has sound	Adjust sound balance in menu.
	Check whether computer sound control panel only sets up one sound channel.
	Check whether audio line is connected correctly.
HDMI output without sound	Check whether connect external device.

Maintenance

Proper maintenance can avoid many early faults and regular careful cleaning can make machine brand new.

Please unplug power plug before cleaning and maintenance, to prevent electric shock.

Clean Screen

Please mix and stir even a little fabric softener or tableware detergent with alcohol.

Please use a soft cloth to be completely soaked in the mixture.

Please take out cloth and twist to half dry state to wipe machine screen.

Repeat for several times, pay attention not to squeeze water flow into machine when wiping machine.

Clean Face Frame

Please use dry, soft, lint-free cloth to wipe front frame.

No Use of Machine for A Long Time

In case of no use of machine for a long time, such as holiday, please make sure to unplug the plug to prevent any possible dangers caused by power supply ripple from lightning.

This symbol, affixed to the product or its packaging, indicates that the product must not be processed with household waste. It must be brought to an electric and electronic waste collection point for recycling and disposal. By the appropriate disposal of this product you also help in preventing potentially negative consequences for the environment and human health. The recycling of materials helps preserve our natural resources. For further information regarding the recycling of this product, please contact your municipality, local waste disposal centre or the store where the product was purchased.

◆ Avertissement de s é curit é

Avant d'utiliser et d'utiliser cet appareil, veuillez lire attentivement et respecter les pr é cautions suivantes afin d' é viter les accidents ou les op é rations impr é cises.

★ Placement

▪ NE PAS charger ou utiliser l'appareil dans des conditions poussi é reuses ou humides, pour é viter une d é faillance du circuit interne.

• é loignez l'appareil des sources de chaleur telles qu'un radiateur é lectrique.

• La temp é rature de fonctionnement normale est de 0 à 40 ℃, l'humidit é de fonctionnement normale est de 10% à 90% HR.

★ S é curit é des enfants

• Le produit et les accessoires peuvent contenir des petites pi è ces.

Veuillez les placer hors de port é e des enfants afin d' é viter tout danger d'ingestion.

★ Pr é caution d'eau

• Le produit n'est pas é tanche, veuillez le garder au sec.

★ Entretien

• Lorsque l' é quipement est endommag é , veuillez ne pas le d é monter pour r é paration sans autorisation, veuillez appeler le service client pour signaler la r é paration.

• Veuillez contacter le personnel de service professionnel pour les services de maintenance.

• NE PAS ins é rer d'objet pointu ou pointu dans l'appareil.

Emp ê chez l'appareil de tomber et de heurter d'autres objets, ce qui pourrait causer des dommages.

◆ Federal Communication Commission 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:

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.

Caution: The user is cautioned that changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20cm between the radiator and any part of your body.

◆ Non-modification Statement:

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

◆ IC Radiation Exposure Statement for Canada

This device contains licence-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's licence-exempt RSS(s). Operation is subject to the following two conditions:

1.This device may not cause interference.

2.This device must accept any interference, including interference that may cause undesired operation of the device. L' é metteur/r é cepteur exempt de licence contenu dans le pr é sent appareil est conforme aux CNR d' Innovation, Sciences et D é veloppement é conomique Canada applicables aux appareils radio exempts de licence. L' exploitation est autoris é e aux deux conditions suivantes :

1.L' appareil ne doit pas produire de brouillage;

2.L' appareil doit accepter tout brouillage radio é lectrique subi, m ê me si le brouillage est susceptible d' en compromettre le fonctionnement. This equipment complies with ISED RSS-102 radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20cm between the radiator and any part of your body. Pour se conformer aux exigences de conformit é CNR 102 RF exposition, une distance de s é paration d'au moins 20 cm doit ê tre maintenue entre l'antenne de cet appareil ettoutes les personnes.

Operate frequency: 13.56MHz,

Frequency Range: 11.810-15.310MHz

Max. transmitting power: < 42 dB μ A/m (for 10m distance)

ENERGY STAR is a U.S. Environmental Protection Agency voluntary program that helps businesses and individuals save money and protect our climate through superior energy efficiency. Products that earn the ENERGY STAR prevent greenhouse gas emissions by meeting strict energy efficiency criteria or requirements set by the U.S. Environmental Protection Agency. The following logo appears on all ENERGY STAR-certified models:

This product qualifies for ENERGY STAR in the "Standard mode" setting and this is the setting in which power savings will be achieved. Changing the Standard mode picture settings or enabling other features will increase power consumption that could exceed the limits necessary to qualify for ENERGY STAR rating. Refer to EnergyStar.gov for more information on Energy Star program.