

LVC02A User's manual

Contents

■ Before use.....	1
1. About LVC02A.....	1
2. Overview.....	2
3. How to use.....	3
■ Getting started.....	5
1. Paring with a Bluetooth mobile phone.....	5
2. FM frequency adjustment.....	5
3. Music playback.....	6
4. Making a call with LVC02A.....	6
5. The usage of LIVIO RADIO APP.....	7
6. Connecting and opening APP automatically.....	8
7. Basic operation.....	8
8. Line out.....	11
9. Line in.....	12
10. Charging for the other devices.....	13
11. Recovery factory settings.....	13
12. Indicator light.....	13
■ Care and maintenance.....	14
■ FAQs.....	14
■ Specifications.....	15

Welcome to use this Bluetooth hands-free kit, LVC02A. Please read this user's manual carefully before use.

■ Before use

1. About LVC02A

LVC02A is a Bluetooth hands-free car kit, it also has the functions of Bluetooth stereo receiver and FM transmitter. With LVC02A, you not only can make a call, but also enjoy the music. It has a DC 5V USB charging jack to power or charge other devices. It has the following features:

1) Bluetooth hands-free car kit: Paring with a Bluetooth mobile phone or PDA supporting HFP.

- ◆ Answer a call / reject a call / end a call
- ◆ Redial last number
- ◆ Voice dial

2) Bluetooth stereo receiver: Paring with a Bluetooth music device or Bluetooth transmitter supporting A2DP.

- ◆ Enjoy music wirelessly
- ◆ Adjust the volume
- ◆ Remote control: pause / play
- ◆ Remote control: previous song / next song

3) FM transmitter: Transmitting a call and music to the car FM radio.

- ◆ Transmit a call or music to the car FM radio
- ◆ Adjust transmitting frequency

4) Line in / Line out jack

- ◆ Line in: Transmit stereo music to LVC02A from a iPod or MP3.
- ◆ Line out: Transmit a call or music to the car stereo system from LVC02A.

5) USB charging jack

LVC02A has a USB charging jack which provides DC 5V voltage for powering or charging other devices.

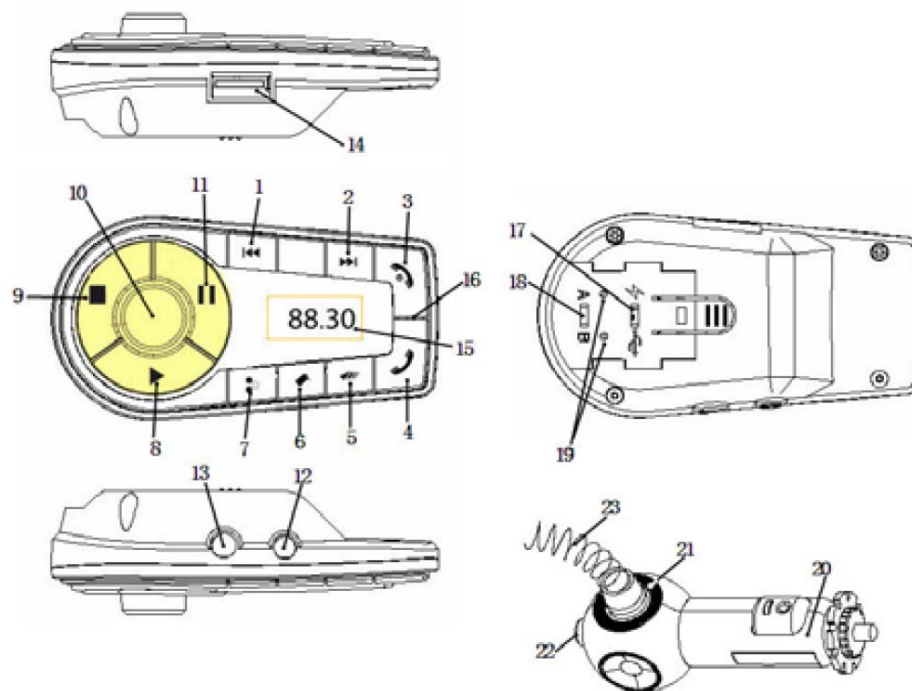
6) Remote control of car internet radio APP of Livio Radio

When LVC02A connects with iPhone which has installed car internet radio APP, you can operate LVC02A to start APP, find similar station, tag song information, switch saved station, play and pause etc.

7) RDS function

If your car FM radio supports RDS function, you can operate LVC02A to transfer the information displayed on the car internet radio APP to the car FM radio.

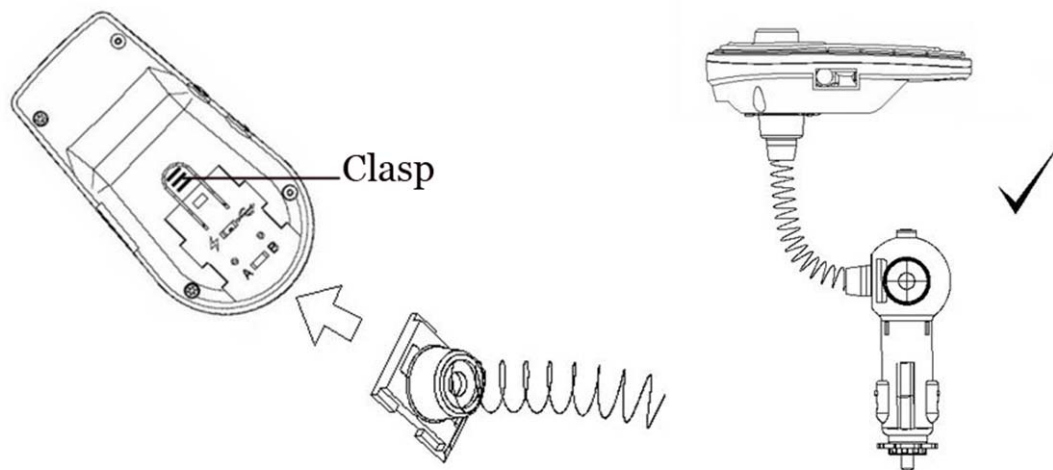
2. Overview



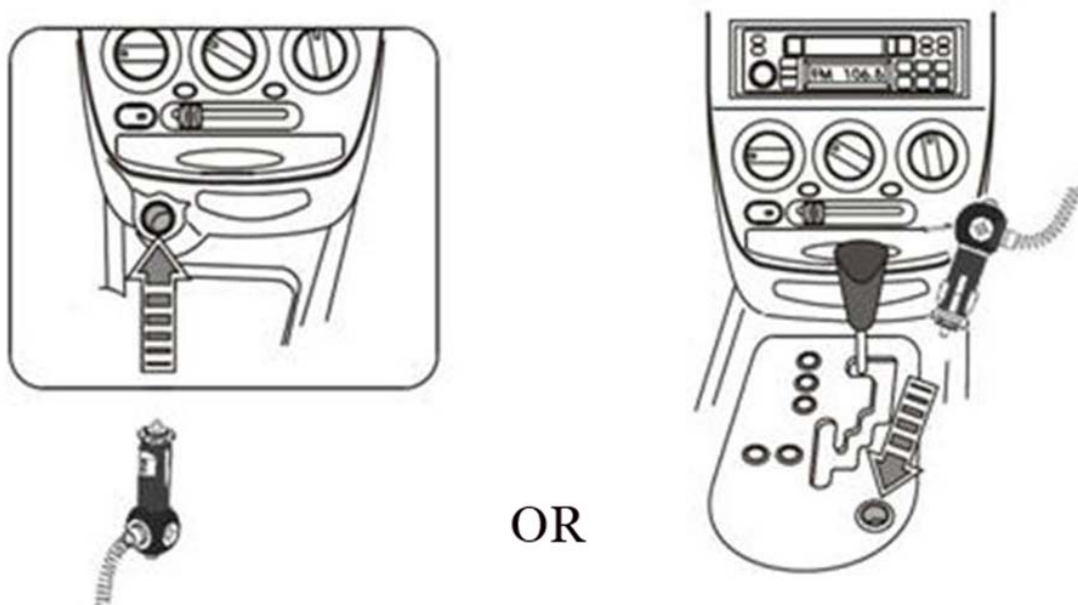
1	Previous song	13	Line in
2	Next song	14	USB jack
3	End button (Red LED)	15	Display screen
4	Answer button (Green LED)	16	Microphone
5	Scan button	17	USB function switch
6	Tag button	18	iPhone/Android switch
7	APP button	19	Power contact
8	Play button	20	Cigarette lighter plug
9	Stop button	21	Power LED indicator
10	Knop	22	ⓘ button/power switch
11	Pause button	23	Flexible neck
12	Line out		

3. How to use

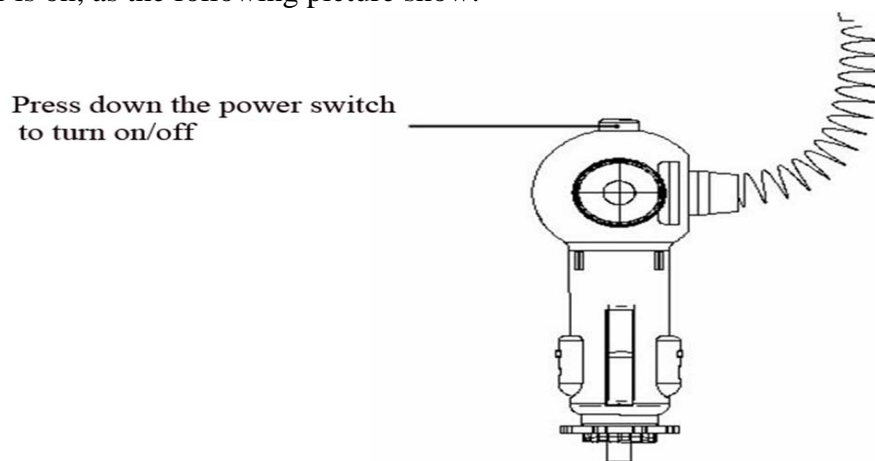
1) Connect the cigaretter lighter plug with flexible neck into the main body of LVC02A, as the following pictures show:



2) Insert the cigarette lighter plug into the cigarette lighter socket of your car or power socket, and make sure connect correctly, as the following pictures show:



3) Press down the power switch to turn on LVC02A, at this time, the power LED indicator is on, as the following picture show:



4) Bend the flexible neck to proper position to make LVC02A face the user.

■ Getting started

1. Paring with a Bluetooth mobile phone

Prior to using LVC02A for the first time, you have to pair it with a Bluetooth-enabled mobile phone. The pairing procedures are subject to different models of mobile phones. Please refer to your mobile phone user's manual for further information. The general pairing procedures are as follows:

- 1) Keep LVC02A and Bluetooth mobile phone within 1 meter when pairing;
- 2) Press and hold End button for about 3 seconds, until red and green LEDs flash alternately. LVC02A successfully entered pairing mode;
- 3) Activate your mobile phone's Bluetooth function and set your mobile phone to search for Bluetooth devices within range, and select "livio-LVC02A" from the list of devices shown;
- 4) According to the indication, enter password or PIN No: "0000";
- 5) If prompted by your mobile phone to connect, select "Yes" (this will vary among mobile phone models). After successful connecting, Red and green LEDs are on;

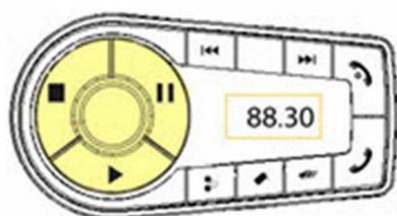
Remarks:

◆ Pairing mode will last 3 minutes. LVC02A will switch to the mode of not connected to device automatically if no devices can be connected within 3 minutes. If you want to continue pairing LVC02A with the Bluetooth device, please turn off LVC02A first and then re-pair according to steps 1~5 mentioned above.

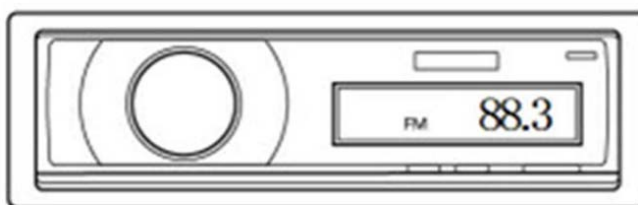
◆ If successful paring, LVC02A and your Bluetooth mobile phone will remember each other, they will need to re-pair next time unless the pairing information is deleted because of a new pairing.

2. FM frequency adjustment

- 1) Adjust the frequency of car FM radio to a frequency that is not occupied by the broadcasting radio station and adjust the volume to proper position.
- 2) Short Press Knop on the LVC02A once, the display screen will flash and LVC02A enter into frequency adjusting mode. At this time, you can rotate the knob to adjust the frequency displayed on the screen to be same as the frequency on the car FM radio.



LVC02A



Car FM radio

3. Music playback

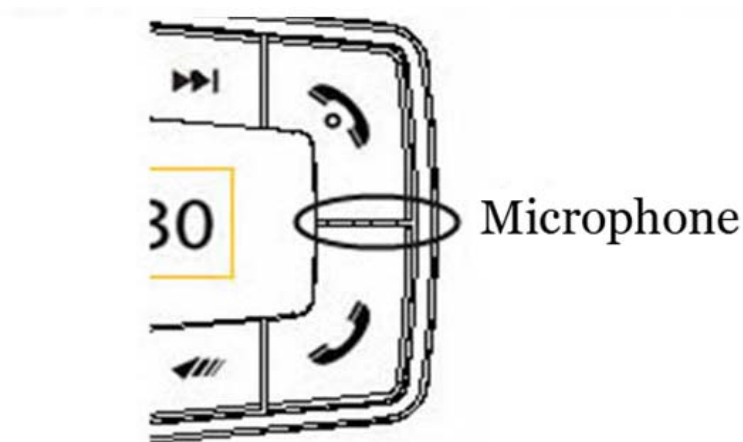
After finish above steps, if you play music on your mobile phone, LVC02A will transmit music to the car FM radio.

- ◆ When playing music, rotate the knob, you can adjust the volume, the volume level is from 0 to 30.
- ◆ When playing music, short press previous song button, you can listen to previous song.
- ◆ When playing music, short press next song button, you can listen to next song.
- ◆ When playing music, short press pause button, you can pause music you listen to.
- ◆ When pausing music, short press play button, you can replay music.

4. Making a call with LVC02A

Please make sure LVC02A has already connected to mobile phone. In order to get the best conversation effect, please make sure the microphone face user.

- ◆ Short press answer button, you can answer the call, short press end button, you can reject the call.
- ◆ During the call, you can rotate the knob button to adjust the volume.
- ◆ During the call, short press end button to end the call.



5. The usage of LIVIO RADIO APP

When LVC02A connects to iPhone successfully, there maybe a prompt reminding you to install APP, at this moment, please go to itunes store to download Car internet radio APP and install it.



Start APP and choose a appropriate internet radio, the music from the internet radio will transfer to your car FM radio. In particular, if the car FM radio has RDS function, the information from internet radio also can transfer to your car FM radio, as the following pictures shows:



iPhone

RDS
Information



Car FM radio

Remark: RDS information and display format are vary with different radio. Some radios maybe only can display one line information.

6. Automatic connecting and automatic starting APP

Every time LVC02A is turned on, it will connect to the last connected device automatically.





Particularly, when the function of “Automatic starting APP” is allowed (please check “Basic operation” to know how to allow/forbid this function), the LED of APP button will flash. When LVC02A connects to iPhone successfully, the car internet radio APP on the iPhone will start automatically.

Remarks:

◆ On some Bluetooth devices, take some Nokia mobile phones for example, you have to allow automatic connecting in the mobile phone's settings. Please refer to your mobile phone's manual for further information.

◆ When the keys of iPhone is locked or iPhone is not in main screen, the car internet radio APP can not be started automatically.

7. Basic operation

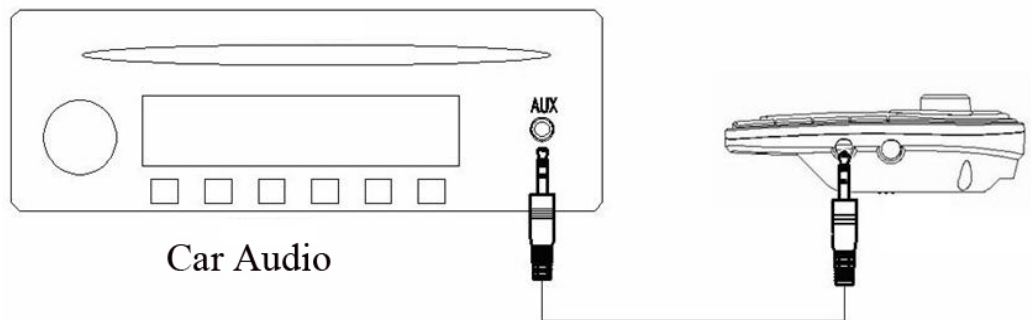
FM frequency adjustment			
Function	Status of LVC02A	Operation	Display
Adjusting frequency	Turned on	(1) Short press knob button once, the screen will flash and LVC02A enter frequency adjusting mode. (2) Rotate knob button to adjust the frequency you want, as right picture, the frequency is 107.9MHZ. (3) Short press knob button once, LVC02A will exit frequency adjusting mode. Besides, if not rotating knob button in few minutes, LVC02A will exit the mode automatically.	
FM frequency adjustment			
Function	Status of LVC02A	Operation	Display
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Remarks:

- ◆ Only LVC02A have already connected to Bluetooth device, and the music is playing, then you can adjust the volume.
- ◆ Not all mobile phones support all the functions listed above. Please refer to your mobile phone's user's manual for further information.
- ◆ If you want to remote control the functions of previous song/next song/pause/play, your mobile phone must support AVRCP. Please refer to your mobile phone's user's manual for further information.
- ◆ When the keys of iPhone is locked or iPhone is not in main screen, APP can not be started.

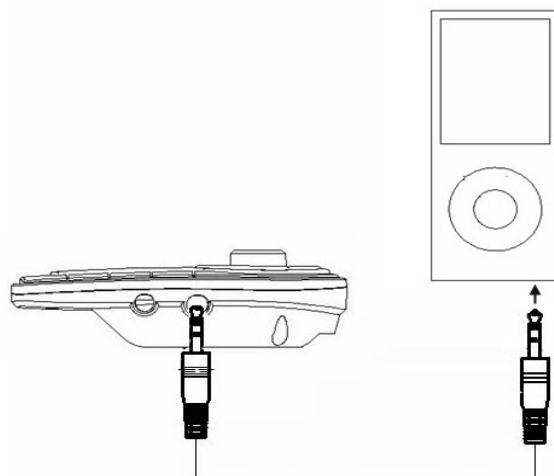
8. Line out

LVC02A has a Line-out jack. Music and call can be transferred to car FM radio through the Line-out jack. When music or call is transferred to car stereo system through the Line-out jack, LVC02A will automatically turned off FM transmitter.

**9. Line in**

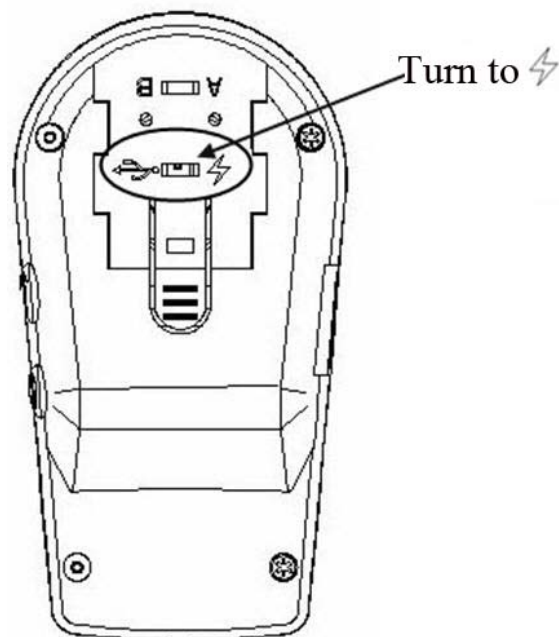
LVC02A has a Line-in jack. If your player has a Line-out jack, you can use a audio cable to connect your player to LVC02A Line-in jack. In this way, music from your player can be transferred to your car FM radio.

When music is tranferred to car FM radio, you only can adjust FM frequency. The other functions including adjust the volume, previous song, next song, answer a call, end a call are not available.



10. Charging for other devices

LVC02A has a 5V/1A power output jack, it can charge for iPod/iPone. Before use, please turn USB function switch to the position shown as bellow picture:



11. Recovery factory settings

Turn on LVC02A and press previous song and next song for about 3 seconds, LVC02A will recovery factory settings and Bluetooth device list will be deleted from LVC02A memory. Turn off LVC02A, and then turn on it again, LVC02A will automatically enter paring mode.

12. Indicator light

Operation or status	Indicator light
Paring mode	Green and red LEDs flashes alternately
Not connecting with Bluetooth device	Green LED flashes once about every 2 seconds
Connecting with Bluetooth device	Green and red LEDs are on

■ Care and maintenance

Before using the LVC02A, please read the following recommendations, it will help you to enjoy the product for many years.

◆ Keep dry and don't put it in the wet place, in order to avoid effecting the interior circuit of product.

◆ Don't put the product under the sunlight or place in hot areas. High temperature will shorten the life of electronic device and distort certain plastic.

- ◆ Don't expose the product to extreme temperatures, which may damage the internal circuit board.
- ◆ Don't try to take apart the product, it may damage the product if you are not professional.
- ◆ Don't fall off on the floor or knock the hard substance, it may damage interior circuit.
- ◆ Don't use intensify chemical or detergent to clean the product.
- ◆ Don't scrap the surface with sharp things.

In case the product doesn't function properly, send it to the store you bought it. The staff will help you to solve the problem.

■ FAQs

1. Why the radio voice is not clear?

- 1) Make sure LVC02A and car FM radio are same frequency;
- 2) Make sure LVC02A and car FM radio are within available range;
- 3) Make sure LVC02A current channel has not been disturbed by broadcasting stations.

2. Why is there not RDS information?

- 1) Make sure your car FM radio has RDS function;
- 2) Make LVC02A and car FM radio are same frequency;
- 3) Make sure LVC02A and car radio are within available range;
- 4) Make sure LVC02A current channel has not been disturbed by broadcasting stations.

3. Why fail to paring with Bluetooth device?

- 1) Make sure LVC02A has already enter pairing mode;
- 2) Make sure LVC02A and Bluetooth device are within available range.

4. Why can not play music when connecting to mobile phone?

Please make sure your mobile phone supports A2DP profile.

5. Why can not control pause/play/previous song/next song during music playback?

- 1) This function needs the pairing device to support AVRCP(Audio/Video, Remote Control Profile);
- 2) When you use Line in, LVC02A can not remote control.

6. Why can not adjust the volume?

- 1) Only LVC02A has already connected to Bluetooth device, and there is playing music or making a call, then you can adjust the volume;
- 2) When using Line in, LVC02A can not adjust the volume.

■ Specifications

Bluetooth specification	2.1
Bluetooth profiles	HSP, HFP, A2DP and AVRCP
Operating distance	10 meters
FM frequency range	UK mode: 87.9~107.9 MHz, 0.1MHz/step USA mode: 88.1~107.9MHZ, 0.2MHz/step
Power supply	DC 12V~24V == 600mA
USB output	DC 5V == 1A
Working temperature	-10~50°C
Storage temperature	-20~60°C
Dimensions	91.5× 48.5 × 24.5 mm
Weight	50g

Remarks:

FCC 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.

To assure continued compliance, any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment. (Example- use only shielded interface cables when connecting to computer or peripheral devices).

This device complies with FCC radiation exposure limits set forth for an uncontrolled environment and it also complies with Part 15 of the FCC RF Rules. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter. 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 manufacturer is not responsible for any radio or TV interference caused by unauthorized modifications to this equipment. Such modifications could void the user authority to operate the equipment.

IC Statement

This device complies with Industry Canada RSS-210. 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.

The device meets the exemption from the routine evaluation limits in section 2.5 of RSS 102 and compliance with RSS-102 RF exposure, users can obtain Canadian information on RF exposure and compliance.

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio RSS-210. L'exploitation est autorisée aux deux conditions suivantes : (1) l'appareil ne doit pas produire de brouillage, et (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

Le dispositif rencontre l'exemption des limites courantes d'évaluation dans la section 2.5 de RSS 102 et la conformité à l'exposition de RSS-102 rf, utilisateurs peut obtenir l'information canadienne sur l'exposition et la conformité de rf.

If you have any problems about the product, please contact the information below:

Burnport Holdings Ltd.

72MT Belcher Pis, East, Calgary, Alberta, T2Z 2G1, CANADA

Tel: 403-257-4961