CARSAY UBC-100 User Guide

(Noise Canceling Bluetooth® Hands-free Car-kit)

Black

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Contents

Thank you for purchasing the CARSA UBC-100 Bluetooth® Hands-free Car-kit! We hope you enjoy it! This instruction manual will get you started and ready to make the most of your CARSA UBC-100.

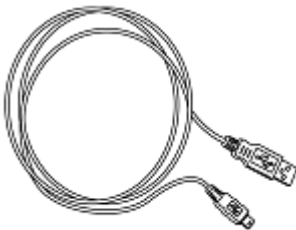Ensure that the following is included in the package.

Hands-free Car-kit	Sun visor Clip	User Guide

USB Charging Cable   Cigar Jack adapter [Optional item]
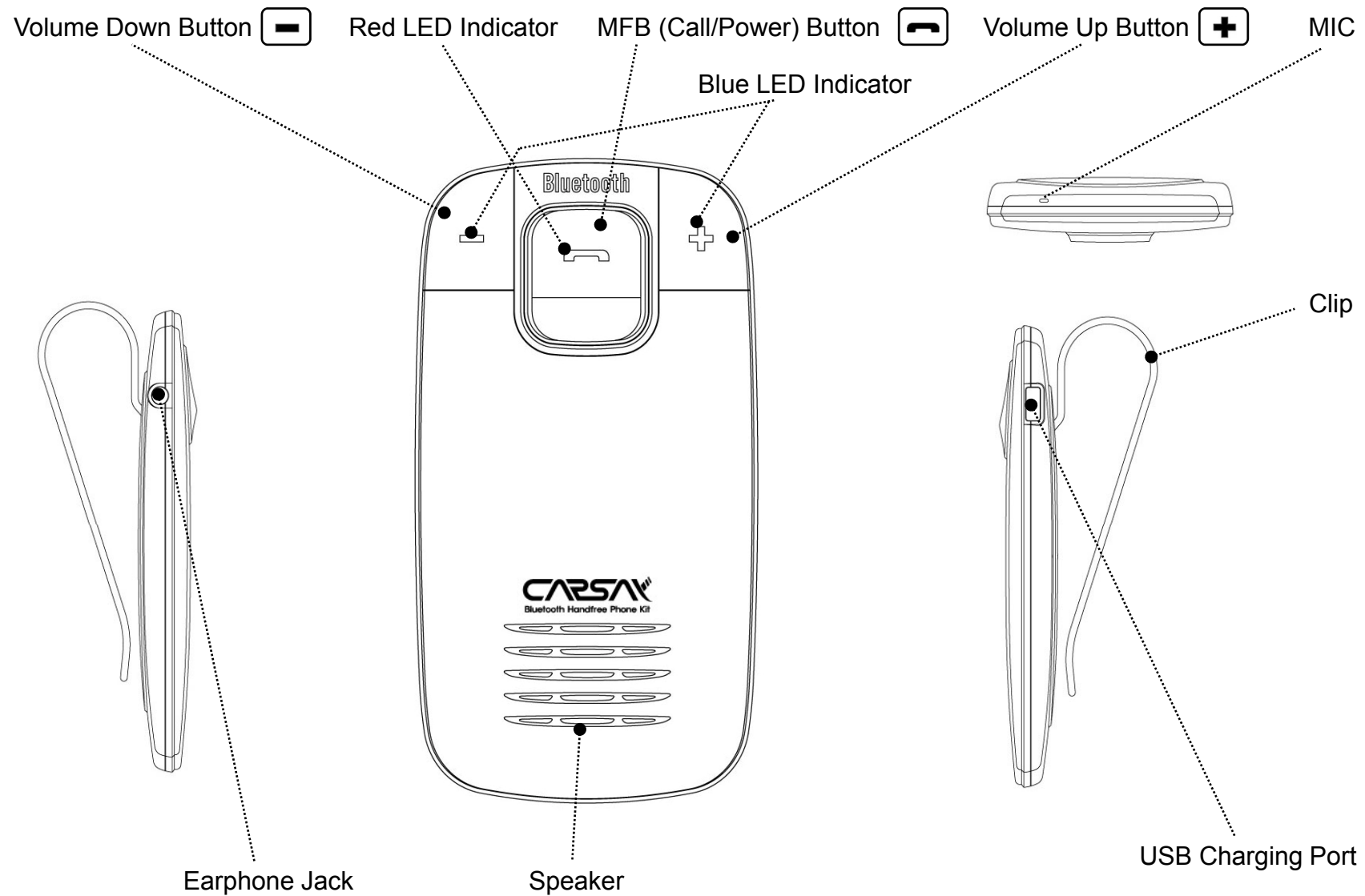
Note!   1) Default Package Contents : a hands-free car-kit, a sun visor clip, a USB Charging cable, and an user guide
        2) Option Items : Cigar jack adapter (sold separately)

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Volume Down Button ▬   Red LED Indicator   MFB (Call/Power) Button 📞   Volume Up Button ➕   MIC

Blue LED Indicator

Bluetooth

Clip

CARSA
Bluetooth Handfree Phone Kit

USB Charging Port

Earphone Jack   Speaker

[Charging]

CARSAN UBC-100 comes with a built-in rechargeable battery. Ensure that your CARSAN UBC-100 is fully charged before first use.

(1) Plug the Micro USB 5-pin connector of the charging cable or the cigar jack adapter into the charging port located

on the side of CARSAN UBC-100.

(2) With USB charging cable, You can charge CARSAN UBC-100 directly from your PC or MAC by plugging the USB end of the

charging cable into a USB port in your personal computer.

(2') With Cigar jack adapter(An optional item), Plug the cigar jack of the adapter into a car outlet.

Tip   Please make sure that the computer or the car is powered on.

(3) While charging, the RED LED light(▬) will be turned on and remain lit until CARSAN UBC-100 is fully charged.

(4) When charging is complete, the RED LED light will be turned off.

(5) Unplug CARSAN UBC-100 from the charging cable or the cigar jack adapter.

(It takes about 2 hours to charge a fully depleted battery of CARSAN UBC-100)

(1)   (2)   (2')   (3,4)

Charging   Complete
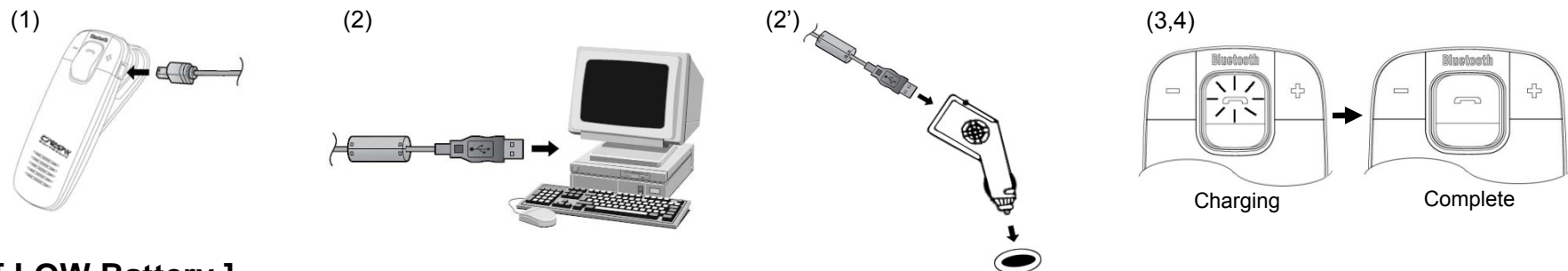
[LOW Battery]

When the battery is nearly depleted in either active or standby mode.

(1) CARSAN UBC-100 will make a beep sound once every 60 seconds and

(2) the RED LED light(▬) will flash once every 4 seconds.

[Power ON] (*Very Long Key*)

In order to turn **CARSAV UBC-100** on, press and hold [⌐] (MFB) button for 2 ~ 4 seconds until you hear the indication tone of turning on from the **CARSAV UBC-100** speaker and release it. And then, the Blue LED light will flash 3 times rapidly.

[Power OFF] (*Very Long Key*)

In order to turn **CARSAV UBC-100** off, press and hold [⌐] (MFB) button for 4 seconds until you hear the beep sound 4 times and the indication tone of turning off from the **CARSAV UBC-100** speaker and release it. And then, the RED LED light will glow for 3 seconds to turn off.

[Pairing]

CARSAV UBC-100 works with Bluetooth® enabled devices. Before pairing your **CARSAV UBC-100** hands-free car-kit for the first time, please make sure that your mobile phone is Bluetooth® capable and the Bluetooth® features are enabled.

Pairing is only required for the first time you use **CARSAV UBC-100** with your mobile phone. The hands-free car-kit pairing procedure will be various depending on the model of your mobile phone.

Please refer to your mobile phone user guide for more detailed pairing instructions.

▪ **Steps for the Pairing**

(1) Make sure that your **CARSAV UBC-100** is powered off.

(2) Activate your mobile phone's Bluetooth function.

(3) There are two types of **CARSAV UBC-100** pairing modes.

1) Pairing mode

Press and hold [⌐] (MFB) button for 5 ~ 7 seconds until you hear the indication tone of turning on and the beep sound once from the **CARSAV UBC-100** speaker and release it. And then, Blue & Red LED light rapidly flash alternately.

2) Auto pairing mode

① press and hold [☎] (MFB) button for 2~4 seconds until you hear the indication tone of turning on from the CARSAY UBC-100 speaker and release it. And then, the Blue LED light will flash 3 times rapidly.

② When UBC-100 is turned on for the first time, it will automatically try auto reconnection function.

If the function, auto reconnection, is failed to activate then CARSAY UBC-100 will be in pairing mode as Blue & Red LED light rapidly flash alternately, which then repeats "1) Pairing Mode" again.

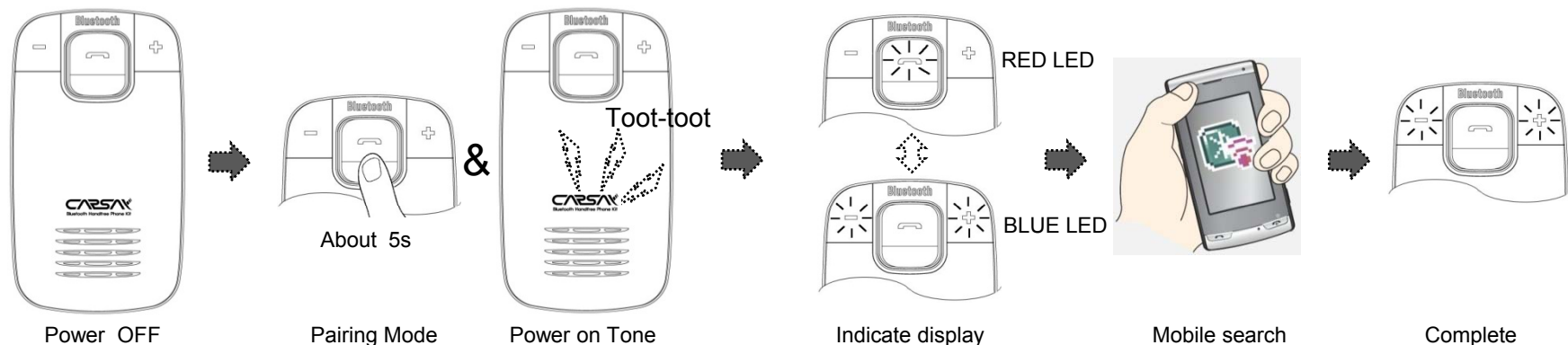(4) Set the mobile phone to search for all available Bluetooth® devices around.

When searching is complete, select "**UBC-100**" from the list of devices shown.

(5) Enter the passkey "**0000**" and press "OK" to pair CARSAY UBC-100 with your mobile phone.

When pairing is successfully done, CARSAY UBC-100 will make the short beep sound and then the Blue LED light will flash once every 10 seconds.

(6) If prompted by the phone to connect, select "Yes" (This will vary between phones).

Note Once CARSAY UBC-100 is registered and paired with a Bluetooth® mobile phone, it will remain in the paired status unless being deleted from the mobile phone, turned off, or out of the operation range, 10 meters(33 feet) from the mobile Phone.

Toot-toot

RED LED

BLUE LED

| Power OFF | Pairing Mode | Power on Tone | Indicate display | Mobile search | Complete |

About 5s

[Making a call]

① Voice dialing (*Short Key*)

If your mobile phone is equipped with a standard voice dialing function, you can activate voice dialing.

Briefly press [📞] (MFB) button until you hear the beep sound once from the *CARSAV* UBC-100 speaker, and then say the registered name on the voice dialing list of the mobile phone. For the better voice dialing performance we recommend that you record the voice tag in your mobile phone.

Tip As far as the mobile phone supports the voice dialing functionality, you will be able to use that function.

② Last number redialing (*Long Key*)

Press [📞] (MFB) button for 1.5 seconds until you hear the beep sound twice from the *CARSAV* UBC-100 speaker. This will activate the last number redial features. Subject to different of mobile phones, it will show you the recently dialed or placed call list on the mobile phone. Select one on the list via the mobile phone, then press [📞] (MFB) button briefly(1-time beep) to make a call.

③ Number input dialing (*Short Key*)

Input a phone number you want to call and press and hold [📞] (MFB) button until the beep sound once and then release it.

[Answering a call] (*Short Key*)

When you have an incoming call, you will hear the ring through the *CARSAV* UBC-100 speaker. Briefly press [📞] (MFB) button, [➕] (Volume up) button, or [➖] (Volume down) button until you hear the beep sound once to accept the call.

[Ending a call] (*Short Key*)

Briefly press [📞] (MFB) button until you hear the beep sound once to terminate the call.

[Rejecting a call] (*Long Key*)

If you do not wish to answer an incoming call, press ☎ (MFB) button for 1.5 seconds until you hear the beep sound twice from the **CARSAV UBC-100** speaker and release it.

[Volume control] (*Short Key*)

Press ➕ (Volume up) or ➖ (Volume down) button to increase or decrease the speaker volume (1-time beep). **CARSAV UBC-100** has eight volume levels.

> **Tip** **CARSAV UBC-100** comes with a **built-in AVC (Auto Volume Controller)**, The speaker volume is controlled automatically according the surrounding noise.

[Transferring a call from CARSAV UBC-100 to your mobile phone] (*Long Key*)

Press ➕ (Volume up) or ➖ (Volume down) button for 1.5 seconds until you hear the beep sound twice and release it. (It operates only while a call is occupied)

[Transferring a call from your mobile phone to CARSAV UBC-100] (*Long Key*)

Press ➕ (Volume up) or ➖ (Volume down) button for 1.5 seconds until you hear the beep sound twice and release it. (It operates only while a call is occupied)

[Call waiting] (*Long Key*)

Answering the second call without hanging up the first call by pressing ☎ (MFB) button for 1.5 seconds (2-times beep).
In order to return to the first call, press ☎ (MFB) button for 2 seconds(2-tims beep) again.
Press ☎ (MFB) button to end both calls at once with one time beep sound.

> **Note** In order to use the call waiting functionality, the telecommunication service provider must support such function.

3. How to use

[MIC mute] (*Long Key*)

In order to turn MIC off, press both ➕ (Volume up) and ➖ (Volume down) button for 1.5 seconds until you hear the beep sound twice and release it.

Reversely in order to turn MIC on, press both ➕ (Volume up) and ➖ (Volume down) button for 1.5 seconds until you hear the beep sound twice and release it.

[Auto reconnecting]

CARSAW UBC-100 and your mobile phone will be disconnected (Link-Lost) each other at the moment when the distance between CARSAW UBC-100 and the mobile phone is above the operation range, 10 meters (33 feet).

When both devices come close within the range, CARSAW UBC-100 and the mobile phone will be auto-reconnected each other, however, for the activation of the auto reconnecting function, they must be brought back in that range within 16 hours. After 16 hours (around 960 minutes) out of the operation range, CARSAW UBC-100 will be automatically turned off by itself.

Note From the moment when CARSAW UBC-100 and your mobile phone are not in operation range, which means both devices are link-lost each other CARSAW UBC-100 will seek your mobile phone as emitting signals to reconnect with the mobile phone. CARSAW UBC-100 emits the signal at 3-minute intervals for 120 minutes(2 hours) and then at 4-minute 20 seconds intervals for 840 minutes.

In order to use the auto reconnecting function, an initial pairing between both devices must be done before.

Functions	UBC-100 Status	Action	Beep
Turning ON	Power OFF	Press 📞 (MFB) button for 2~4 seconds. (Very Long)	Power ON Tone
Turning OFF	Power ON	Press 📞 (MFB) button for 4 seconds. (Very Long)	Power OFF Tone
Volume Up	Talking	Briefly press ➕ (Volume up) button. (0.5s ; Short)	1 time
Volume Down	Talking	Briefly press ➖ (Volume down) button. (0.5s ; Short)	1 time
Transferring a call	Talking	Press ➕ (Volume up) or ➖ (Volume down) button for 1.5 seconds. (Long)	2 times
Answering a call	Talking	Briefly press 📞 (MFB) button, ➕ (Volume up) button, or ➖ (Volume down) button. (0.5s ; Short)	1 time
Ending a call	Talking	Briefly press 📞 (MFB) button. (0.5s ; Short)	1 time
Call waiting	Talking	Press 📞 (MFB) button for 1.5 seconds. (Long)	2 times
Last number redialing	Power ON	Press 📞 (MFB) button for 1.5 seconds. (Long)	2 times
Voice dialing (Handset must support voice function)	Power ON (Voice Command)	Briefly press 📞 (MFB) button. (0.5s ; Short)	1 time
Enter pairing	Power OFF	Press 📞 (MFB) button for 5 seconds. (Ext Very Long)	Power ON Tone & 1-time beep
Rejecting a call	Ringing	Press 📞 (MFB) button for 1.5 seconds. (Long)	2 times
MIC Mute ON/OFF	Talking	Press both ➕ (Volume up) and ➖ (Volume down) button for 1.5 seconds. (Long)	2 times

Function & Condition	UBC-100 Status	LED Indication
CARSAK Functions	Turn ON	Blue LED light flickers 3 times.
	Turn OFF	Red LED light is on for 2 seconds and then the light is turned off.
	Pairing Mode	Blue and Red LED light rapidly flash alternately.
	Car-kit connected (HFP or HSP)	Blue LED light flashes once every 10 seconds.
	Incoming call	Blue LED light flashes rapidly
	Call connected	Blue LED light flashes once every 10 seconds.
	Bluetooth not connected	Blue LED light flashes once every 5 seconds,.
Charging	Charging	Red LED light is lit.
	Charging completed	Red LED is turned off.
Link Loss	Out of operation range (10M)	Red and Blue LED light is on for 5 seconds and then the light is turned off.
Battery	Low Battery Warning	Red LED light flashes once every 4 second..

Symptom	Check-up	Troubleshooting
When the power is not on…	Please check if the battery of **CARSAW UBC-100** has been charged before use.	Please charge your **CARSAW UBC-100** with USB power cable.
When the device is not compatible with **CARSAW UBC-100**…	Please check if the Bluetooth mobile phone or Bluetooth device supports HFP(Hands-free profile) or HSP(Headset profile) or both.	Please make sure Bluetooth function has been enabled on the device and choose one service(function/profile) like HFP or HSP to be successfully paired.
	Please check if **CARSAW UBC-100** needs charging.	Please charge your **CARSAW UBC-100** with USB power cable.
When **CARSAW UBC-100** would not pair with the device…	Please ensure that the **CARSAW UBC-100** has been turned on.	Please press ☎ (MFB) button for 2~4 seconds and then the power will be on.
	Please ensure **CARSAW UBC-100** is being under paring mode (see 3. How to Use [Pairing]).	While **CARSAW UBC-100** is powered off, please press ☎ (MFB) button for 5 seconds and then it will turn to paring mode with Blue & Red LED light rapidly flash alternately.
When speaker sound is low…	Please check the speaker volume.	Please press (volume up) button to change the volume level.
When **CARSAW UBC-100** would not operate at all…	Please check if **CARSAW UBC-100** does not power on even after it has been fully charged.	Please reset **CARSAW UBC-100**. **(Reset: While ☎ button pressed down, insert the USB power cable)**

Product name	Noise Cancelling Bluetooth Hands-free Car-kit CARSAY UBC-100
Bluetooth specification	Bluetooth Ver. 2.1 (EDR disable)
Supported profiles	HFP 1.5, HSP 1.2
Operation range	10m (33 feet)
RX sensitivity	Typ-85dBm
Frequency	2402MHz~2480MHz
Modulation (Frequency-shift keying)	GFSK
Battery	3.7V/ 800mAh/ Li-Ion rechargeable battery
Rated input	5.0V/ 0.5A
Speaker Output Power	1.5W
Antenna	Ceramic Chip Antenna
Speaker	8Ω/ 36Ø
Microphone	Omni directional
Standby time	Up to 1500hrs
Talk time	Up to 25hrs
Charging time	2hrs
Operating temperature	-20°C ~ 70°C
Dimension & Weight	97mm(L) * 54.5mm(W) * 11.5mm(D) / 65g

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• Always store the product with the power off and safely protected.

• A void storage at extreme temperatures (above 45°C/113°F –including direct sunlight – or below -10°C/14°F). This can shorten battery life and may affect operation. High temperatures may also degrade performance.

• Do not expose the product to rain or other liquids including all chemicals.

• Check local laws regarding use of a mobile phone and wireless phone kit while driving. If you use CARSAY UBC-100 while driving ensure your attention and focus remain on driving safely.

• Observe all signs and instructions that require an electrical device or RF radio product to be switched off in designated areas, such as gas/refueling stations, hospitals, blasting areas, potentially explosive atmospheres, or aircraft.

• Keep all products, cords, and cables away from operating machinery. As with all corded products, there is a danger of strangulation if a cord should become wrapped around your neck.

• This product is not a toy. Never allow children to play with the product– small parts may be a choking hazard.

• Do not disassemble or insert anything into the product or charger because this may cause damage to the internal components or cause injury to you.

• Do not use the chargers with other products or for any other purpose. Ensure that the voltage rating corresponds to the local mains or power supply you intend to use.

• Do not dispose of the product or battery in a fire. The battery cells may explode.

• Do not open or mutilate the battery. There may be corrosive materials which can cause damage to eyes or skin and may be toxic if swallowed.

• Always store batteries where children cannot reach them.

• If your product has a non-replaceable battery, do not attempt to open the product or remove the battery.

• CARSAY UBC-100 complies with Bluetooth Ver. 2.1. Other Bluetooth products may not be compatible with CARSAY UBC-100 . Please contact U&B Tech or U&B Tech's local dealer or visit customer support at www.unbtech.co.kr or www.carsay.co.kr or www.carkit.co.kr if you have any problems with compatibility.

RECYCLING: Your product and batteries must be recycled or disposed of properly. Contact your local recycling center for information on proper disposal.

9. Warranty

Limited Two (2) -Year Warranty
U&B Tech A/S, warrants this product to be free from defects in materials and workmanship (subject to the terms set forth below) for a period of two (2) year from the date of purchase ("Warranty Period"). During the Warranty Period, U&B Tech will repair or replace (at U&B Tech's discretion) this product or any defective parts ("Warranty Service"). If repair or replacement is not commercially practicable or cannot be timely made, U&B Tech may choose to refund to you the purchase price paid for the affected product. Repair or replacement under the terms of this warranty does not give right to any extension or a new beginning of the period of warranty.

Claims under the Warranty
To obtain Warranty Service, please contact the U&B Tech dealer from which you purchased this product or visit www.unbtech.co.kr or www.carsay.co.kr or www.carkit.co.kr for further information about customer support. You will need to return this Product to the dealer or ship it to the dealer or to U&B Tech (if so indicated on www.unbtech.com) in either its original packaging or packaging affording an equal degree of protection. You will bear the cost of shipping the product to U&B Tech. If the Product is covered by the warranty, U&B Tech will bear the cost of shipping product back to you after the completion of service under this warranty. Return shipping will be charged to you for products not covered by the warranty or requiring no warranty repair.
The Following information must be presented to obtain Warranty Service: (a) the product, and (b) proof of purchase, which clearly indicates the name and address of the seller, the date of purchase and the product type, which is evidence that this product is within the Warranty Period. Please further include (c) your return address. (d) daytime telephone number, and (e) reason for return. As part of U&B Tech's efforts to reduce environmental waste you understand that the product may consist of reconditioned equipment that contains used components, some of which have been reworked. The used components all live up to U&B Tech's high quality standards and comply with the U&B Tech product performance and reliability specifications. You understand that replaced parts or components will become the property of U&B Tech.

Limitation of Warranty
This warranty is only valid for the original purchaser and will automatically terminate prior to expiration if this product is sold or otherwise transferred to another party. The warranty provided by U&B Tech in this statement applies only to products purchased for use, and not for resale. It does not apply to open box purchases, which are sold "as is" and without any warranty. Specifically exempt from warranty are limited-life consumable components subject to normal wear and tear, such as microphone windscreens, ear cushions, modular plugs, ear tips, decorative finishes, batteries, and other accessories. This warranty is invalid if the factory-applied serial number, date code label, or product label has been altered or removed from this product. This Warranty does not cover cosmetic damage or damage due to misuse, abuse, negligence, Acts of Nature, accident, disassembling or modification of, or to any part of, the product. This Warranty does not cover damage due to improper operation, maintenance or installation, or attempted repair by anyone other than U&B Tech or a U&B Tech dealer which is authorized to do U&B Tech warranty work. Any unauthorized repairs will void this warranty. REPAIRS OR REPLACEMENTS AS PROVIDED UNDER THIS WARRANTY ARE THE EXCLUSIVE REMEDY OF THE CONSUMER. U&B Tech SHALL NOT BE LIABLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES FOR BREACH OF ANY EXPRESS OR IMPLIED WARRANTY ON THIS PRODUCT. EXCEPT TO THE EXTENT PROHIBITED BY LAW, THIS WARRANTY IS EXCLUSIVE AND IN LIEU OF ALL OTHER EXPRESS AND IMPLIED WARRANTIES WHAT SO EVER, INCLUDING BUT NOT LIMITED TO THE WARRANTY OF MERCHANTABILITYTY AND FITNESS FOR A PRACTICAL PURPOSE.

NOTE! This warranty gives you specific legal rights. You may have other rights which vary from location to location. Some jurisdictions do not allow the exclusion or limitation of incidental or consequential damages or implied warranties, so the above exclusions may not apply to you. This warranty does not affect your legal (statutory) rights under your applicable national or local laws.

10. Certification

FCC Notices

This device contains **FCC ID: X3F-UBC-100** which complies with part 15 of the FCC rules. Operation is subject to the following two conditions:

(1) This device may not cause harmful interference

(2) This device must accept any interference received, including interference that may cause undesired operation.

"Exposure To Radio Frequency Radiation"

This device and its antenna must not be collocated or operated in conjunction with any other antenna or transmitter. To comply with FCC RF exposure requirements, only use supplied antenna. Any unauthorized modification to the antenna or device could void the user's authority to operate this device.

CE 1177

This product is CE marked according to the provisions of the R & TTETTE Directive (99/5/EC). Hereby, UNB Tech, declares that this product is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC.

For further information please consult http://www.unbtech.co.kr

Within the EU this device is intended to be used in Austria, Belgium, Bulgaria, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, The Netherlands, United Kingdom, and within EFTATA in Iceland, Norway and Switzerland.

Bluetooth

The Bluetooth® word mark and logos are owned by the Bluetooth SIG, Inc. and any use of such marks by U&B Tech is under license. Other trademarks and trade names are those of their respective owners.

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

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