



## APPENDIX H

### : USER'S MANUAL

# Bluetooth® Hands-free car kit BCX-300 User guide

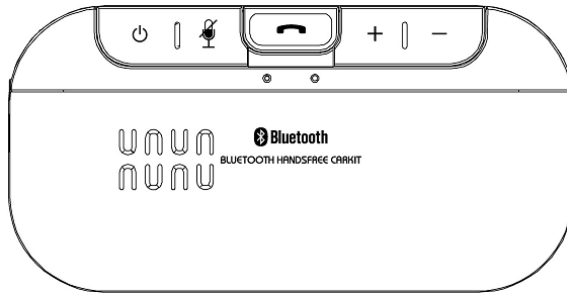


**ITM Korea**

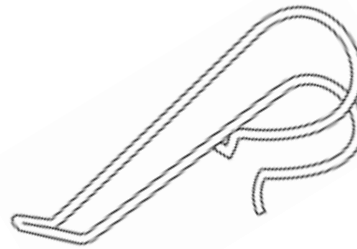
## [BCX-300] Package contents & features

Ensure that the following is included in the package;

Hands-free car kit



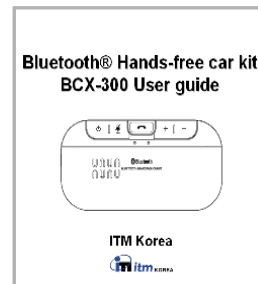
Sun visor clip



USB charging cable



User guide



Cigar jack adapter [An optional item]

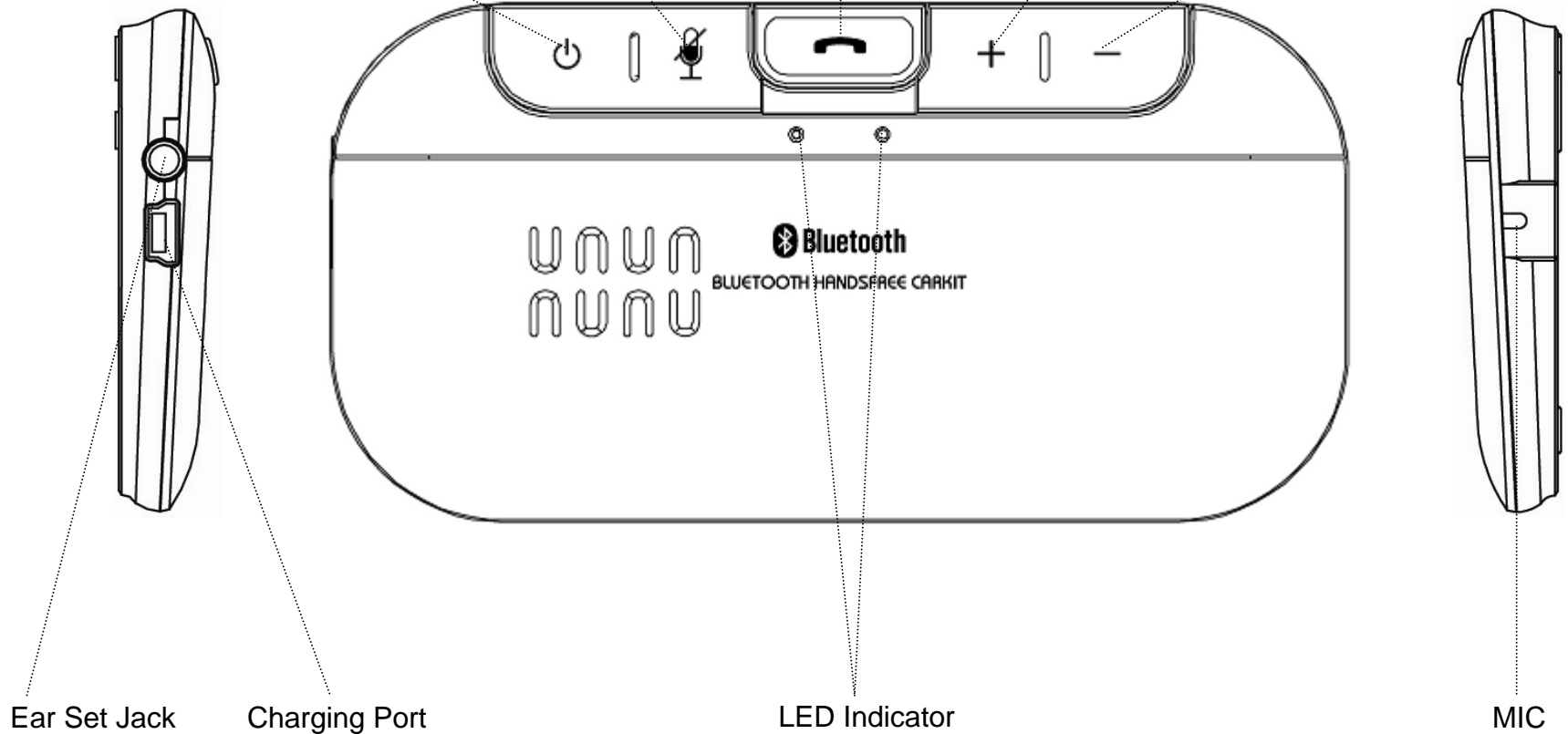


**[Note]** The basic package contents are a hands-free car kit, a sun visor clip, a USB charging cable, and an user guide.

Cigar jack adapter is an optional item separately sold or only contained in the full package.

# [BCX-300] Product description

Power (On/Off) Button    MIC Mute (On/ Off) Button    Call (Answer) Button    Volume up Button    Volume down Button



## [BCX-300] Getting Started

### 1. Charging BCX-300

BCX-300 comes with a built-in rechargeable battery. Please ensure that your BCX-300 is fully charged before first use.

(1) Plug the mini USB 5 pin connector of the charging cable/or the cigar jack adapter into the charging port located on the side of BCX-300.

(2) Charge BCX-300 through;

1) USB charging cable

You can charge BCX-300 directly from your PC or MAC by plugging the USB end of the charging cable into a USB port in your personal computer. Make sure that your computer is on when trying to charge BCX-300.

2) Cigar jack adapter (An optional item)

Plug the cigar jack of the adapter into a car outlet.

(3) While charging, the RED LED light will turn on and remain lit until BCX-300 is fully charged.

(4) When charging is complete, the RED LED light will turn off. Unplug BCX-300 from the charging cable/or the cigar jack adapter. It takes about 3 hours to charge a fully depleted battery of BCX-300.

#### ▪ Low Battery Indication

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

(1) BCX-300 will make a beep sound once every 30 seconds and



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

## [BCX-300] Getting Started

### 2. Pairing BCX-300

BCX-300 works with Bluetooth® enabled devices. Before pairing your BCX-300 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 BCX-300 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 pairing BCX-300

- (1) Make sure that your BCX-300 is off. (The LED indicator should not be flashing).
- (2) Place BCX-300 within a meter away from your mobile phone.
- (3) Activate your mobile phone's Bluetooth function.
- (4) There are two types of BCX-300 pairing modes.
  - 1) Manual pairing mode  
Press and hold  (Power) button for 7~8 seconds until BLUE & RED LED light rapidly flash alternately.
  - 2) Auto pairing mode (Easy pairing)
    - ① Press and hold  (Power) button for 2~3 seconds to turn BCX-300 on.
    - ② When BCX-300 is turned on for the first time, it will automatically try auto reconnection function.  
The function, auto reconnection, will be failed to activate and then BCX-300 will be in pairing mode as BLUE & RED LED light rapidly flash alternately.
- (5) Set the mobile phone to search for all available Bluetooth® devices around. When searching is complete, select "BCX-300" from the list of devices shown.
- (6) Enter the passkey "0000(Four zeros)" and press "OK" to pair BCX-300 with your mobile phone. When pairing is successfully done, BCX-300 will make the short beep sound twice rapidly and then the BLUE LED light will flash once every 10 seconds.
- (7) If prompted by the phone to connect, select "Yes" (This will vary between phones).


## [BCX-300] Getting Started

[Note] Once BCX-300 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(33feet) from the mobile phone.

### 3. Turning BCX-300 on




In order to turn BCX-300 on, press and hold  (Power) button for 2~3seconds. The indication tone of turning on will be heard and then, the BLUE LED light will flash 3 times rapidly.

### 4. Turning BCX-300 off


In order to turn BCX-300 off, press and hold  (Power) button for at least 5seconds. While holding the button, 3-times beep sound and the indication tone of turning off will be heard in series at 1.5second intervals. The RED LED light will glow for 2seconds and then turn off.

## [BCX-300] Using BCX-300



### 1. Answering a call

When you have a incoming call, you will hear the ring through the BCX-300 speaker. Briefly press  (Call) button,  (Volume up) button, or  (Volume down) button once to accept the call.


### 2. Ending a call

Briefly press  (Call) button to terminate the call.



### 3. Last number redialing

Press  (Call) button for 2~3 seconds until you hear the beep sound twice from the BCX-300 speaker. This will activate the last number redial features. Subject to different models 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  (Call) button briefly to make a call.

### 4. Voice dialing

If your mobile phone is equipped with a standard voice dialing function, you can activate voice dialing. Briefly press  (Call) button until you hear the beep sound once from the BCX-300 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.

### 5. Adjusting the volume

Press  (Volume up) or  (Volume down) button to increase or decrease the speaker volume. BCX-300 has eight volume levels.


### 6. Transferring a call from BCX-300 to your mobile phone

In order to transfer a call from BCX-300 to your mobile phone, press  (Volume up) button for 2~3 seconds.






## [BCX-300] Using BCX-300

### 7. Transferring a call from your mobile phone to BCX-300

In order transfer a call from your mobile phone, press  (Volume up) button for 2~3 seconds.

### 8. Call waiting

Answering the second call without hanging up the first call by pressing  (Call) button for 2~3 seconds. In order to return to the first call, press  (Call) button for 2~3 seconds again. Press  (Call) button to end both call at once.

### 9. Rejecting a call



If you do not wish to answer an incoming call, press  (Call) button for 2~3 seconds.

### 10. Auto reconnecting
















BCX-300 and your mobile phone will be disconnected (link-lost) each other at the moment when the distance between BCX-300 and the mobile phone is above the operation range, 10 meters(33feet). When both devices come close within the range, BCX-300 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 14 hours. After 14 hours (around 850 minutes) out of the operation range, BCX-300 will be automatically turned off by itself.

[Note] From the moment when BCX-300 and your mobile phone are not in the operation range, which means both devices are link-lost each other, BCX-300 will seek your mobile phone as emitting signals to reconnect with the mobile phone. BCX-300 emits the signal 100 times at 2-minute intervals (for 200 minutes) and then 150 times at 4minute 20 seconds intervals (for 650 minutes). In order to use the auto reconnecting function, an initial paring between both devices must be done before.

### 11. MIC mute on & off

In order to turn MIC off, briefly press  (MIC mute) button. Reversely in order to turn MIC on, briefly press  (MIC mute) button.




## [BCX-300] Summary of button functions

| Functions  | BCX-300 Status              | Action  |
|--|-----------------------------|---|
| Turning on   | Power Off                   | Press  (Power) button for 2~3 seconds.   |
| Turning off  | Power On                    | Press  (Power) button for 5 seconds.   |
| Volume up  | Talking                     | Briefly press  (Volume up) button.   |
| Volume down  | Talking                     | Briefly press  (Volume down) button.   |
| Transferring a call                                    | Talking                     | Press  (Volume up) button for 2~3 seconds.   |
| Answering a call                                       | Talking                     | Briefly press  (Call) button,  (Volume up) button, or  (Volume down) button. |
| Ending a call  | Talking                     | Briefly press  (Call) button.  |
| Call waiting   | Talking                     | Press  (Call) button for 2~3 seconds.  |
| Last number redialing                                  | Power On                    | Press  (Call) button for 2~3 seconds (until hear the beep sound twice from the speaker).   |
| Voice dialing<br>(Handset must support voice function) | Power On<br>(Voice Command) | Briefly press  (Call) button (until hear the beep sound once from the speaker).  |
| Enter pairing  | Power Off                   | Press  (Power) button for 7~8 seconds.   |
| Rejecting a call                                       | Ringing                     | Press  (Call) button for 2~3 seconds.  |
| MIC Mute On & Off                                      | Talking                     | Briefly press  (MIC Mute) button.  |

## [BCX-300] Summary of LED indication

| Function & Condition | BCX-300 Status                          | LED Indication  |
|----------------------|---|---|
| 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                    |
|                      | Hands-Free or Headset Profile connected | 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                      | LED is turned off.  |
| Link Loss            | Out of operation range (10M)            | Blue LED light flashes once every 5 seconds.                        |
| Battery              | Low Battery Warning                     | Red LED light flashes once every 4 seconds.                         |

## [BCX-300] Troubleshooting

| Trouble Shooting   |   |  |
|--|---|--|
| BCX-300 isn't turned on.   | Check whether the battery of BCX-300 hands-free car kit is fully charged.     | Charge the battery.  |
| Unable to communicate with BCX-300 hands-free car kit            | Check whether the handset supports Bluetooth Headset or Hands-free profile.   | Determine whether your handset supports Bluetooth Headset or Hands-free profile.   |
|  | Check whether the battery of BCX-300 hands-free car kit is low or out.        | Charge the battery.  |
| Unable to pair BCX-300 hands-free car kit with Bluetooth device. | Check and make sure BCX-300 hands-free car kit is turned on.                  | Press and hold  (Power) button for 2~3 seconds to turn on the hands-free car kit.   |
|  | Check and make sure BCX-300 hands-free car kit is placed in the pairing mode. | In the Power off state, press and hold  (Power) button for 8 seconds to place the hands-free car kit in the pairing mode. |
| Low Sound (Speaker)  | Check the speaker volume.   | Increase the volume level through briefly pressing  (Volume up) button.   |

# [BCX-300] Product Specification

|                                     |   |
|-------------------------------------|---|
| Product name                        | Bluetooth hands-free car kit BCX-300      |
| Bluetooth specification             | Ver 2.1                                   |
| Supported profiles                  | HFP, HSP                                  |
| Operation range                     | 10m                                       |
| RX sensitivity                      | Typ-84dBm                                 |
| Frequency                           | 2401MHz~2480MHz                           |
| Modulation (Frequency-shift keying) | GFSK                                      |
| Battery                             | 3.7V/ 800mAh/ Li-Ion rechargeable battery |
| Rated input                         | 5.0V/ 0.3A                                |
| Output level                        | Below 0.1mW                               |
| Antenna                             | Ceramic Chip Antenna                      |
| Speaker                             | 40Ω/ 8Ø                                   |
| Microphone                          | Omni directional                          |
| Standby time                        | Up to 900hrs                              |
| Talk time                           | Up to 20hrs                               |
| Charging time                       | Up to 3hrs                                |
| Operating temperature               | -20°C ~ 60°C                              |
| Dimension & Weight                  | 118mm(L) * 60mm(W) * 11.3mm(D) / 70g      |

## [BCX-300] Declaration of Confirmation

### FCC ID : XGVBCX-300


This device complies with Part 15 of FCC Rules. Operation is subject to the following two conditions :

(1) This device may not cause harmful interface, and (2) This device must accept any interference received, including interference that may cause undesired operation. Changers or modification not expressly approved by the party responsible for Compliance could void the user's authority to operate the equipment. Connecting of peripherals requires the use of grounded shielded signal cables.

### RF exposure statements

This equipment complies with FCC RF radiation exposure limits set forth for an uncontrolled environment. This transmitter must not be co-located or operated in conjunction with any other antenna or transmitter.

### European Union Notice

Product with CE marking comply with the R&TTE Directive (99/5/EC), the EMC Directive (89/336/EEC) and the Low Voltage Directive (73/23/EEC) issued by the Commission of the European Community. 

### Safety

#### 1. Caution

Danger of explosion if battery is incorrectly replaced.

#### 2. Batteries shall not be exposed to excessive heat such as sunshine, fire or the like.



▪ All the certificates holder :



**AutoVision**

XX XXXX

**IAB-BCX-300HFCK**

## [BCX-300] Warranty

### Limited one(1)-Year Warranty

ITM warrants to the original purchaser for 1year from your purchase date against deficiencies in material and workmanship under normal use. Should this unit fail to operate in a satisfactory manner within the warranty period. ITM will repair or, at its discretion, replace the product without charge. We may use functionally equivalent, reconditioned, refurbished, remanufactured, pre-owned or new products or parts.

### If service required

Should this unit fail to operate in a satisfactory manner, it is best to first check with the store where it was originally purchased. Should this fail to resolve the matter and if you believe your unit meets the criteria for warranty replacement or repair, please email to [warranty@itm-korea.com](mailto:warranty@itm-korea.com) for an RMA [Return Merchandise Authorization] number with detail description of problem. All returns require an RMA number and this number is only issued by email. Please note that an RMA number does not guarantee final disposition. All returns are subject to inspection. Please note that we may ask you to return all accessories, Manual, and original packaging with your unit.

We recommend that all returns be padded and packed securely, insured and sent certified and/ or return receipt requested.

In addition, please include following;

1. Reason for return & RMA number
2. Proof of purchase [receipt, copies accepted]
3. Your return address and contact information [phone or email]
4. We may ask you to return all accessories, manual, and original packaging [box, labels, and etc] with your unit.

Please do not write or tape the original package.

**Note :** Failure to follow criteria listed above may delay or void your warranty process.

## [BCX-300] Warranty

Please send the return with postage or shipping prepaid to:

### **ITM Korea**

**RM#210 2<sup>nd</sup> FL,227-1, Yongdap-Dong, Seongdong-Gu, Seoul, 133-847, South Korea**

If you still have questions, please email us at [warranty@itm-korea.com](mailto:warranty@itm-korea.com) or visit us at [www.cyanics.net/service](http://www.cyanics.net/service).

### **What this warranty does not cover**

This limited warranty does not cover;

1. Due to alternation, normal wear and tear, misuse, lack of maintenance, accidents, willful actions which have been modified and repaired by unauthorized person or entity.
2. Products that are operated in combination with ancillary or peripheral equipment not furnished or otherwise certified by ITM Korea for use with the product or any damage to the products or ancillary equipment as a result of such use.
3. Consumable spares and accessories [unless they are non-functional or broken upon purchase of product] such as;
  - a. Cases
  - b. Cable
  - c. Decorative finishes
  - d. Key buttons
  - e. Battery

#### **◆ Product manufacturer information :**

1. Name : XXXXXXXXXXXX (T.XXXX.XXX.XXXX/ F.XXXX.XXX.XXXX)

#### **◆ Country of Origin :** Republic of Korea





**ITM Korea**

RM210 2<sup>nd</sup> FL 227-1 Yongdap-Dong, Seongdong-Gu,  
Seoul, 133-847, Republic Of Korea

Tel : 8270-7018-0939

Fax : 8270-7016-2210