



## NF2370

# nFore Portable Bluetooth Car kit Solution User Manual

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### Revision History

Revision	Revised date	Description	Revised by
0.1	2009.02.04	New Issue	Alan

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	<p>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: .....</p> <p>-Consult the dealer or an experienced radio/TV technician for help. ....</p>	
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## 1 Instruction

NF2370 is a total solution for Bluetooth portable car kit application. Easily to launch to the market by apply the microphone, speaker and the IDs .

### 1.1 Key definition

Key #	Key No.	Description
1	SW1	Pairing mode (3sec) Hang up / Call transfer (Headset, Handsfree) Play / Pause (Stereo music for AVRCP, A2DP) Connecting last phone (idle-no phone connecting)
2	SW2	Backward (Stereo music for AVRCP, A2DP)
3	SW3	Power on / off (3sec) Reject / Hang up (Headset, Handsfree) Stop (Stereo music for AVRCP, A2DP) Stop Pairing
4	SW4	Forward (Stereo music for AVRCP, A2DP)
5	SW5	Volume down (V-)
6	SW6	Volume up (V+ )

## 2 Function description

Before doing any operation, press sw3 for 3 sec to turn on the system power.

### 2.1 Paring

2.1.1 Long press sw1 until heard “ Enter pin code 0000”.

2.1.2 Use the Bluetooth source to search the NF2370 board”

2.1.3 Use the Bluetooth source to connect the NF2370 board.

2.1.4 Enter pin code “0000” by the source key pad.

2.1.5 Following source operation.

2.1.6 Paring success.

### 2.2 Make a call

2.2.1 Connect the NF2370 to a mobile phone. (Follow 2.1 instruction)

2.2.2 Dial the number via mobile phone.

2.2.3 When the phone calls success, the far end voice appears on the NF2370 and the caller is able to speak via NF2370.

2.2.4 To hang up a call by press sw3.

2.2.5 While far end called, pick up the phone call by mobile phone or SW1.

2.2.6 The volume can be adjusted by press sw5/sw6 (down/up)

### 2.3 Playing music

2.3.1 Connect the NF2370 to a audio source (With A2DP source, follow 2.1 instruction)

2.3.2 Play the music.

2.3.3 The music will appear on the NF2370.

2.3.4 To listen the previous songs, press sw2 (Backward)

2.3.5 To listen the next songs, press sw4 (Forward)

2.3.6 The volume can be adjusted by press sw5/sw6 (down/up)

### 2.4 Aux out

While talking or music playing, the audio channel will be switched to headsets when it's plugged on the aux out jack.

### 2.5 USB mode

NF2370 supports WinXP/Vista audio class and no extra driver required. This device will performed as a general USB speaker/Microphone when plugged.

Other Bluetooth related function doesn't work while USB mode enabled.

### 2.6 Charge the device.

Attach the USB from a PC source then devices will charge automatically. It's capable to use the device while charging in USB mode.

### 3 Example use cases

3.1 Soldering the Speaker R/L and microphone on the NF2370

3.2 Assembly the IDs

3.3 Attach the battery on the bottom side

3.4 Star to operate (refer to 2. Function description)

## 4 Appendix

### 4.1 FCC information to Users

#### **Federal Communications Commission (FCC) Statement**

##### 15.21

You are cautioned that changes or modifications not expressly approved by the part responsible for compliance could void the user's authority to operate the equipment.

##### 15.105(b)

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.

#### **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.

#### **FCC RF Radiation Exposure Statement:**

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. End users must follow the specific operating instructions for satisfying RF exposure compliance. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

## 4.2 NCC information to Users

### NCC Statement:

根據交通部低功率電波輻射性電機管理辦法 規定：

第十二條：

- \* 經型式認證合格之低功率射頻電機，非經許可，公司、商號或使用者均不得擅自變更頻率、加大功率或變更原設計之特性及功能。

第十四條：

- \* 低功率射頻電機之使用不得影響飛航安全及干擾合法通信；經發現有干擾現象時，應立即停用，並改善至無干擾時方得繼續使用。
- \* 前項合法通信，指依電信法規定作業之無線電通信。
- \* 低功率射頻電機須忍受合法通信或工業、科學及醫療用電波輻射性電機設備之干擾。