

|MHF86|

Bluetooth™ Rear-view Mirror Handsfree kit

# VOSSOR PHONEBOOK

## Operation Manual

Please read the user manual before use

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## 1. The Device

### 1.1 Features:

- ☐ Phone Book data transfer via either OPP (object Push Profile) or AT command
- ☐ Ultra Large phone book capacity
- ☐ Scrolling Caller Name and number
- ☐ Supports Phone Status (mobile phone signal strength and battery capacity) of the Bluetooth mobile phone
- ☐ Professional DSP for echo cancellation and noise reduction
- ☐ Microphone gain control
- ☐ DTMF (DUAL TONE MODULATION FREQUENCY)
- ☐ Speed Dialing
- ☐ Digital Volume Control
- ☐ Dot Matrix LCD
- ☐ Call Register
- ☐ Voice Dialing
- ☐ Screen Contrast Adjust
- ☐ Software Upgradeable

### 1.2 Accessories

- ☐ Build-in Battery

\*Not ALL mobile phones support this features, please consult you mobile phone manufacturer for details



Cigarette lighter adaptor

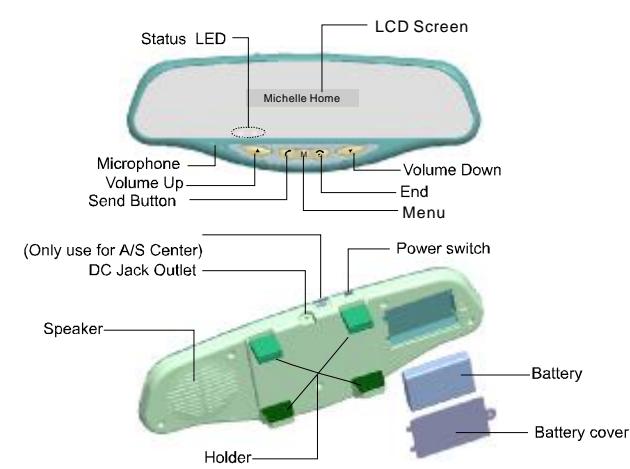


Rechargeable battery



Manual

1.3 Part Description



1.4 Keys and Functions

<ul style="list-style-type: none"><li>Receive call</li><li>Voice dialing</li><li>Conversation transfer</li><li>Yes</li><li>Bluetooth link connection</li></ul>	<ul style="list-style-type: none"><li>End call</li><li>Reject call</li><li>No</li><li>Power on / off (press and hold for 2 seconds)</li></ul>
<ul style="list-style-type: none"><li>Volume +</li><li>Upward</li><li>Leftward</li><li>Microphone gain control +</li></ul>	<ul style="list-style-type: none"><li>Volume</li><li>Downward</li><li>Rightward</li><li>Microphone gain control -</li></ul>

**DTMF** (Dial Tone Modulation Frequency):  
`Activate only during the line is connected.

**Phone book**  
`Transferring t he phone book contacts from mobile phone and SIM to **Vossor** via **OPP** or **AT Command**

**LCD setting**  
`Contrast

**Disconnect BT**

**Speed Dialing**  
`Offer 3 slots memory for speed dialing

**Del Phone Book**  
`Delete entire phone book content

## 1.5 Specification

Function	Description
<b>Battery</b>	3.7V, 1700mAh Li-Ion
<b>Speaker</b>	8 Ω/1W(Normal)
<b>MIC</b>	-62 +/- 2dB
<b>Power Consumption</b>	Max 250mA
<b>Cigar Lighter Jack OUT :</b>	5V/650mA
<b>Frequency range</b>	2400MHz to 2483.5MHz
<b>Modulation Method</b>	GFSK, 1Mbps, 0.5BT Gaussian
<b>Transmission Power</b>	Typ. 1.0dBm
<b>Hopping</b>	1600 hops/sec 1MHz channel space
<b>RX. Sensitivity</b>	Typ. -83.0dBm
<b>Built in Memory</b>	Flash memory(8MBit)
<b>Operating Temperature</b>	-10~50°C
<b>Storage Temperature</b>	-20~70°C
<b>Noise suppression</b>	Yes
<b>Echo Cancellation</b>	Yes
<b>Supported Profile</b>	Headset and Handsfree
<b>Standby Time</b>	280 hours
<b>Talking Time</b>	15 hours

## 1.6 Indicator

### LCD Display Indicators:

	Welcome Screen
	BT Paring Mode
	BT Paring Successful
	BT Search Mode (BLINKING)
	BT Disconnected
	Outgoing Call
	Incoming Call
	Missed Call
	Menu
	Reception signal strength Indicator (for mobile phone only)
	Battery level Indicator (for mobile phone only)
	Call Transfer to Mobile (During a call)
	Line Switching in Call waiting
	Voice Dialing
	Call Register
	Volume Indicator
	AT Command Inquire
	AT Command Phone Book Transfer in process
	AT Command Phone Book Transfer Finished
	OPP Phone Book Transfer in process

\*BT: Bluetooth™

### LED Indicator

Red Light	Steady: Battery charging in progress
	Blinking (every 1 second): battery in low level, recharging is recommended
Blue Light	Blinking (every 15 second): Unit is in on

## 2. Get Started

### 2.1 Charging:

Hint: To prolong the battery life, it is **highly recommended** to charge continuously for at least 8 hours before use.

#### Step to Charge Vossor

CIGAR LIGHTER  
CHARGING

- STEP1: Connect the car charger to a power outlet  
STEP2: Connect the USB to the car charger  
STEP3: Connect the DC power jack to Vossor

### 2.2 Power on:

1. Power on the unit by switching the button on the top of the unit.
2. The unit will then enter search mode.
2. Vossor will stay in sea mode for 5 second
3. If no device was found, will display on the screen. To search again, press once to activate search mode.

Before automatic connection, please make sure Bluetooth mode on your mobile phone is activated and you must at least successfully paired and connected to Vossor at least once in order to activate this feature.

### 2.3 Pairing / Connecting Vossor:

#### 2.3.1 First time pairing

1. Power on Vossor and wait until it is no longer searching.
2. Press and hold **MENU** for 2 second and the screen shows **READY PAIRING**
3. Follow your mobile's operation menu on how to pair a device  
When Vossor was successfully found by your mobile, it will display the register ID on your mobile. The ID of Vossor is "**SEECODE**" and it will display on your mobile when linked.
4. Enter "**1234**" when a passcode is requested.  
Vossor will display to indicate pairing is successful.

#### 2.3.2 Connecting

After pairing, you can connect the mirror via your mobile or by pressing the once. Make sure Bluetooth has been activated on the mobile phone before pressing the button.  
(Please refer to your mobile's operation manual about connecting Bluetooth device)

Once it is connected, user will hear "Beep" once. The mobile's ID will be displays on the screen. Ex: - **MOTOCARLA V3** -

### 2.4 Setting up Vossor

\*\*Setup function only available when Vossor is connected to a device.

#### 2.4.1 LCD Display:

1. Press
2. Scroll the menu by pressing **▲** or **▼** until you see **LCD CONTRAST**
3. Press to enter

##### 2.4.1.1 Contrast

1. In the contrast menu, you will see . This is the status bar showing the contrast level of the LCD Display. There are 10 levels which user can adjust by pressing **▲** / **▼** to their desired level.
2. Press to save setting

#### 2.4.2 Volume

User can adjust the volume by pressing the **▲** or **▼** during a call.









#### 2.4.3 Ring Volume

User can adjust ring volume level by pressing the **▲** or **▼** in the root.

### 3. Making Call





User can make call either from mobile or Vossor

#### 3.1 Making Call using Phone Book

1. Press 
2. Scroll the menu by pressing  or  until you see **PhoneBook**
3. Press  to enter Phone Book
4. To reduce search time, scroll the first character of the desired name by pressing  or , then press  to select.
5. Press  to dial

To setup phone book, please refer to Page 10 "Phone Book" for detail

#### 3.2 Making Call from Call Register / last dialed number


1. Press 
2. Scroll the phone list by pressing  or  until you find the desired dialed number, then press 

#### 3.3 Making Call through Speed Dialing


1. Press and hold either ,  or  for 2 second
2. Call will automatically dial out

HINTS: In order to use Speed Dialing, the phone book must be pre-setup.  
Please refer to page 13 for detail.

#### 3.3 Receiving Call

User can accept call either through the handset or Vossor  
To accept Call using Vossor, simply press 

#### 3.4 Rejecting Call

To reject call, simply press 

### 3.5 Caller ID Display

Caller ID display is a network service, please consult your network provider for details.

Caller ID can be displayed in 2 ways:

#### 1. By Name



**Vossor** can display the caller's name when receiving call. To display the caller's name, the name must be stored in the phone book.


#### 2. By Phone Number

Phone number will be displayed if there is no record in the phone book.

### 3.6 Voice Dialing

To enter Voice dialing mode:

1. Hold  key for 2 seconds
2. Speak the name after the tone 








If failed to recognize, you will hear a deep beep tone twice, press  to exit and repeat above procedures.

### 3.7 Options during a call

#### 3.7.1 Call Waiting:

\*\*This is a network service, please consult your network provider for details

#### Accepting incoming call during a conversation



1. Press  and it will automatically switch to **Line2** 
2. To switch between to Lines, press  and display will show 
3. Press  or  to choose
4. Press  to confirm

#### 3.7.2 Transfer Call between mobile and Bean during conversation

Press  and hold  for two seconds.

#### 3.7.3 Mic Gain control and Mute

##### Mic Gain:





To increase Microphone Gain, press and hold  for 2 seconds.  
To decrease Microphone Gain, hold  for 2 seconds

##### Mute

To mute, simply press . To cancel, press  once again.

### 3.7.4 DTMF (Dial Tone Modulation Frequency)

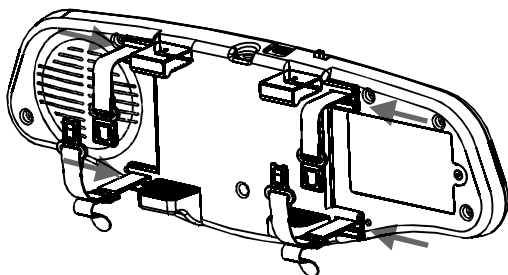
To use DTMF Function:

1. Hold  for 2 second.
2. Scroll the desire number by pressing  or .
3. Press  to dial

HINTS: This function is available only during conversation

### Fixing of the optional safetybelts

- Turn the backside of the mirror to you.
- Push the belts in the four adaptors near the holder, the part with the buckle must be on the upper side of the mirror.
- Adjust the length of the belts at the part with the latch, according to the size of your original rearviewmirror.
- Put the Vossor on your mirror and push the latch in the buckle.
- To unbuckle it again, just push at the middle of the latch and pull it apart.



## 4. Call Feature









### 4.1 Phone Book

AT command and OPP (Object Push Profile) function can automatically transfer the contacts from mobile to Vossor

HINTS: NOT ALL MOBILES SUPPORT ABOVE FEATURES

#### 4.1.1 AT Command



To Transfer the Phone Book **from mobile** via AT command:  
(Please make sure the Vossor and the mobile is connected)

1. Press .
2. Scroll the menu by pressing  or  until you see **PHONEBOOK**
3. Press  to enter Phone Book Transfer Inquire
4. Press  to start or Press  to cancel
5. When contacts transfer is processing, LCD will show  and blinking.
6. Once transfer was succeeded, it will indicate 

#### 4.1.2 OPP (Object Push Profile)

Vossor supports single contact or group contacts transfer via OPP function.  
For detail operating procedures, please refer to your mobile phone's user manual.

To Transfer the Phone Book **from mobile** via OPP:

1. Disconnect Bluetooth link from Vossor setting (If it is currently connected)
2. Do the proper setting on the mobile phone for copying and transferring the contacts from the mobile phone to Vossor.  
(Please refer to you mobile phone's user manual) 
3. When the contacts is transferring, display shows 
4. After transferring done, display shows "**xxx records**". The "**xxx**" is a number representing the total contacts which have been successfully transferred to Vossor.
5. Connect Vossor again.















Access phone book in Vossor to check whether the contacts were successfully transferred

Some mobiles are able to register multiple phone numbers under the same name. Vossor phonebook can distinguish the number by a suffix <M> (moblie), <H> (home) and <O> office at the caller's name.

## 4.2 Speed Dialing

To activate speed dialing , phone book must be pre-setup.

### 4.2.1 Setup speed dialing:








1. Press 
2. Scroll the menu by pressing  or  until you see **SPEED DIALING**
3. Press 
4. Browse for empty slot by pressing  or  , there are totally 3 slot, each slot is represented by ,  and  (M is representing  button)
5. Once you find an empty slot. Press  (If phone book is empty, Press  and Vossor will automatically switch to AT Command Mode)
6. Browse the phone number that you wish to set as speed dial
7. Press  to confirm
8. To exit, simply press  to return to main menu

HINT: If a slot is empty, user can simply press the desired key for 2 second, then follow the above procedures from 5 to 8.







### 4.2.2 Modifying / Deleting Speed Dialing Number

Once you have setup a number in a slot, you are required to delete it before setting up a new number on the same slot.

To delete a number in Speed Dialing Entry:

1. Press 
2. Press  or  until you see **SPEED DIALING**, then press 
3. Browse for the slot which you would like to modify
4. Press  twice, and the screen will show **Delete?**.
5. Press  to confirm or  to cancel.

### 4.3 Deleting Phone Book entry

1. Press 
2. Scroll the menu by pressing  or  until you see **Del Phone Book**.
3. Press 
4. Display shows **Are you sure?**  
(do not allow deleting single entry, **ALL** entries will be deleted after confirmation)
5. Press  to confirm
6. While delete is processing, it will display **Deleting PB**
7. Display shows **Deleted ALL** when Phone Book is cleared
8. Press  to return to Main Menu

## 5.Trouble Shooting

### Phone status showing:

It is depending on the availability and provides by the connected mobile phone

### Mobile phone couldn't Pair with Vossor:

1. Please power off and on again **Vossor** then repeat the pairing procedures again.
2. Set off all other Bluetooth devices before start pairing.
3. Either **Vossor** and the mobile phone are able to be master or slave to pair with other Bluetooth device, however pairing will not work if those are being master or slave at the same time.

### Loudspeaker sound level too low:

Please increase the volume level to maximum on the mobile phone during conversation.

### Voice too low to be heard from the person who talking to Vossor user:

Do the following steps while conversation in progress

1. Adjust the microphone gain to maximum on **Vossor**, or
2. the person who is talking to **Vossor** user adjust his/her mobile phone volume to maximum.

### Strong echo heard from the person who is talking to Vossor user:

During Conversation, transfer the call to mobile and listen. If echo disappeared, please transfer the call again from mobile phone to **Vossor** and lower the loud speaker until echo is eliminated. If the echo is still remains, that means the echo is generated by the network provider or mobile phone itself. **Vossor** is unable to eliminate.

### Loudspeaker volume of Vossor too low or high and impossible to adjust it:

Please adjust the volume directly on the mobile phone as desired, then fine tune it by the volume control of **Vossor**.

### The number dialed by mobile phone couldn't be found from Vossor:

All number which are dialed directly from the mobile are unable to save in **Vossor**, please check it on the mobile phone.

### The LCD display frozen or all buttons disabled:

Simply turn off the unit and turn on again.



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### **\*\*\* 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.

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

### **FCC statement**

Note: 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.