

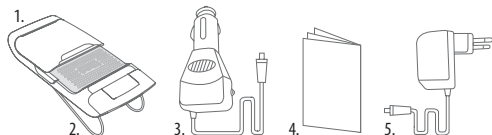
User Manual

HANDSFREE CARKIT MK70

Handsfree CARKIT with FM Transmitter & TTS

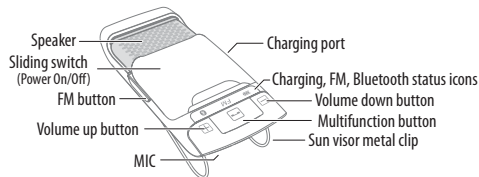


ENCLOSURES



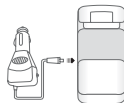
1. Car kit 2. Metal Clip [This clip plays a role of the antenna for FM transmitter]
3. Car charger 4. Manual 5. Optional items [AC/DC adapter]

Product Components Hands-Free Unit



CHARGING

Before using your handsfree, charge the battery for at least 3 hours. Charging the battery completely (and keeping it charged) will help you get the longest possible talk and standby time out of the battery. (On average, the battery provides about 12 hours of talk time, 6 hours of playing time and about 400 hours of standby time.) Connect an adapter to the power connector on the side of handsfree and plug it into automobile (or any standard 12V~24V) power outlet.



When charging is completed, charging status icon is turned off.

[Note] Use only the power adapter supplied with handsfree. Using any other adapter could damage your handsfree, create a fire hazard, or cause a risk of electric shock.

■ Low Battery Warning

When the battery requires charge, handsfree triggers a low battery alert; you'll hear a melody every 30 seconds..

HOW TO USE

TURNING ON/OFF

TURNING ON : Please slide the cover up.

TURNING OFF : Please slide the cover down.



PAIR THE KIT TO YOUR BLUETOOTH PHONE

1. Please slide the cover up to turn on.
2. You hear the voice announcement "Please pair phone now" and the Bluetooth status icon [B] will blink.
3. Set your Bluetooth mobile phone to discover handsfree. For the most mobile phones, you can find Bluetooth mode by selecting Setting/Tools- Connections- Bluetooth (For further information, please refer to your mobile phone's manual)
4. When your mobile phone finds handsfree, confirm it by selecting "yes" or "ok".
5. Enter PIN number "0000" (4 zeros)



4.reference



5.reference

■ AUTO PHONEBOOK DOWNLOAD

1. If your mobile supports PBAP, handsfree will be automatically disconnected with your phone after pairing..
2. Handsfree is automatically reconnected with the voice announcement "loading phone book", and starting download phone book. (If you can hear a beep sound instead of the voice "loading phone book", it is failed to download phonebook)

3. You will hear the voice announcement “loading phone book successful” with finishing download.

4. Then, handsfree will connect with your phone automatically.

■ THE PROCESS OF PHONEBOOK DOWNLOADS MANUALLY

[Note] This function is to update handsfree's phonebook.

1. After connect MK70 with your phone, press FM button for 2 seconds.

2. If your mobile supports PBAP, the phone automatically disconnect with your phone.

3. Handsfree is automatically reconnected with the voice announcement “loading phone book”, and starting download phone book. (If you can hear a beep sound instead of the voice “loading phone book”, it is failed to download phonebook.)

4. You will hear the voice announcement “loading phone book successful” with finishing download.

5. Then, handsfree will connect with your phone automatically.

[Note] Stopping phonebook downloads: Phonebook download takes some seconds depending on your mobile. To stop download phonebook, press the FM button.
(It takes about 15sec at least from starting download phone book)

■ AUTOMATIC CONNECTION: Handsfree supports auto connection that makes it possible to be automatically connected to the last connected device after turning on.

■ EASY PAIRING: Handsfree goes into the Pairing Mode automatically when it is turned on for the first time.

[Note] If you want to go to “pairing mode” manually, at first, make handsfree stand by state (not connected with your phone), and press Multi-Function button for about 4sec until you hear a beep sound.



■ SIMPLE PAIRING: You can pair handsfree with your mobile phone without entering the pin number (0000), if your mobile phone supports Bluetooth version 2.1.

MAKING A CALL

1. Last call-Redialing

Press the Multi-Function button[].

2. Voice Dialing

Press the Multi-Function button[] for 2 seconds until you hear a beep sound, then voice dialing is activated on handsfree. If you want to cancel voice dialing, press the Multi-Function button[] during the voice dial Mode.

[Note] Please make sure that your phone supports the Voice Recognition first. (See your phone's manual for detailed instructions)

RECEIVING A CALL

You can hear the ring tones with the caller name from handsfree.

Press the Multi-Function button[] to receive call.

REJECTING A CALL

Press the Multi-Function button[] for 2 seconds.

ENDING A CALL

Press the Multi-Function button[] during the call or just press the “End” button on the phone.

TRANSFERRING A CALL

To transfer a call from handsfree to your mobile phone and vice versa, press the Multi-Function button[] on handsfree during the call for 2 seconds until you hear a beep.

ADJUSTING A VOLUME

You can adjust the volume by pressing the volume up (+) or down (-) button during the call or incoming calls.

[Note] In FM mode, volume control is only available from your car audio.

[Note] TTS volume can be changed during hearing TTS announcement, and will be adjusted from the next voice announcement.

MIKE MUTE

If you press the volume down (-) button for 2 seconds, the microphone is muted. You can hear a beep every 10 seconds during the mute mode.

[Note] The MIC mute mode can be deactivated by pressing volume down (-) button for 2 seconds again.

CALL WAITING

To activate call waiting function, you must subscribe to call waiting through your service provider, and your phone must support the hands-free profile.

1. To put your current call on hold and switch to the waiting call, press and hold volume up (+) until you hear 2 long beeps. (about 4 seconds) When you release the button, you'll be connected to the waiting call. When you want to switch back to the current call, press and hold volume up again for 4 seconds.
2. To hang up your current call and switch to the waiting call, press and hold volume down (-) until you hear 2 long beeps. (about 4 seconds) When you release the button, you'll be connected to the waiting call.

[Recommended] Press the "SEND" button of your mobile phone to activate the call waiting function.

[Note] Some features may not be compatible with certain mobile.

RESETTING THE HANDS-FREE

If you are having some trouble with handsfree or you want to delete all your information (paired device information, volume level, etc.), reset it. Press and hold Multi-function and volume down (-) until you hear a beep (about 4 seconds). Then turn off and turn on handsfree.

[Note] Resetting is only possible when standby mode after disconnecting with your mobile phone.

SPECIAL FEATURES

Play Music

Make sure that handsfree and your mobile should be connected each other before playing music. When you play music in your mobile phone, it will automatically transfer the music to your handsfree. Music will automatically be paused when

you have an incoming call. When a call is ended, it will start to play again.

[Note] The auto connection between calling and playing music depends on the user's phone.

FULL NAME TTS(TEXT TO SPEECH) via PHONE BOOK DOWNLOADING

Handsfree automatically will start downloading process when it is paired with mobile phone. When incoming call, handsfree will announce the Caller's Name.

[Note] For activating the name TTS, you should download the phone book from your phone book first.

[Note] For deactivating or activating the TTS function, press and hold Multi-function and volume down (-) until you hear a beep (about 2 seconds). You can also use this function by pressing just volume down (-) until you hear a beep (about 2 seconds) when handsfree is in incoming call.

VOICE ANNOUNCEMENT

Handsfree gives out voice announcements to inform you the device's status (e.g. power ON/OFF, pairing, FM mode, and etc). Handsfree has 10 different voice announcement languages. The basic option is UK English.

- | | | | | | |
|--------------------|-------------------------|---------------------|-------------|-----------|------------|
| 1. UK English | 2. US English | 3. French | 4. Italian | 5. German | 6. Spanish |
| 7. Mexican Spanish | 8. Brazilian Portuguese | 9. Mandarin Chinese | 10. Russian | | |

Please refer to the following steps to change a language.

1. Set handsfree in "pairing mode"
2. Press FM button about 2 seconds, then you can hear the configured language.
3. Press volume up (+) or down(-) button to find a new language.
4. Select preferred language by pressing FM button, then new language will be selected.
5. Then, handsfree automatically return to the "paring mode"

USING FM TRANSMITTER

The FM transmitter allows you to transmit calls and music from your mobile to the car stereo when the Hands-Free Unit and car radio are having the same frequency.

1. First, please connect your mobile phone with handsfree.
2. Simply press the FM button. Then the FM status icon will turn on and the available FM frequency will be announced.

- Please retune your radio in to the announced FM frequency
- Now, you are ready to transmit calls or music from your phone to your car stereo.

[Note] If your radio supports RDS (Radio Data System), Caller ID will appear on the radio display (It depends on your car audio).

[Note] If there is no transmission (Music or Phone conversation), FM mode will be deactivated 1 minute later.

CHANGING FM FREQUENCY

In FM mode, handsfree will always transmit calls and music to the car stereo. To make FM transmitter work better, you need to find a non-congested frequency. FM audio quality is very dependent on the FM frequency band. If it sounds bad, you can change to the new FM frequency.

- Press FM button to enter FM mode.
- Press volume up(+) button until you hear a beep (about 2 seconds).
- The handsfree unit start to find new frequency with the voice announcement "Searching".
- After that, a new frequency will be announced
- Then, please retune your radio in to the announced FM frequency.
The Hands-Free Unit will automatically save the new frequency.
- If you would like to change FM frequency manually, press volume up (+) or down (-) button in FM mode. The new frequency will be announced by 100 KHz.

TROUBLESHOOTING

If you have problem with handsfree, see the suggestion in the table below.

If...	Try...
Handsfree won't turn on	Charging the battery completely
Handsfree won't pair with my phone	<ul style="list-style-type: none"> - Making sure your phone support the Bluetooth headset profile or hands free profile. - Making sure your phone is in pairing mode. Check your phone's manual for instructions on Bluetooth device pairing. - Turing handsfree on and off again. - Resetting handsfree.

Handsfree paired with my phone, but I can't hear anything through it	<ul style="list-style-type: none"> - Making sure the call connected and is still active - Making sure the phone transferred the call to handsfree. - Press and hold Multi function for 2 seconds to transfer the call.
I can hear the caller, but the audio is very weak or soft	<ul style="list-style-type: none"> - Turning the speaker volume up - Moving closer to your phone (if you aren't carrying it) - Keep the battery fully charged (As the battery power starts to run out, the speaker will get softer)
Handsfree keeps playing a melody or beeping, and I don't know why	<ul style="list-style-type: none"> - Checking the battery status - Checking to see if your phone has lost the network signal. Some phones will trigger an alert when they can't connect to the network.
Handsfree cannot download phone book.	<ul style="list-style-type: none"> - Try to download phone book manually again. -Turning handsfree off-on, and download phone book manually.

Specifications

Model Name	MK70
Bluetooth Core Spec	Bluetooth Specification 2.1
Profile	HSP, HFP, A2DP, PBAP
Carrier Frequency	2402 MHz to 2480 MHz (FM Transmitter : 88.1~107.9MHz)
Audio Output	1W (4Ω)
Modulation Method	GFSK, 1Mbps, 0.5BT Gaussian
Maximum Data Rate	Asynchronous : 2178.1 kbps / 177.1 kbps Synchronous : 1306.9 kbps / 1306.9 kbps
Bluetooth Class	Class 2
Hopping	1600 hops/sec, 1MHz Channel Space
Transmit Power	0 dBm
Coverage Range	10 Meters
Phone book Download	Approx 500 numbers
Receiver Sensitivity	-80 dBm / 0.1 % BER
Continuous Talk Time	Max. 10 Hours
Music Time	Max. 6 Hours
Standby Time	400 Hours
Weight	65 g
Dimension	51.2 x 15.7 x 112.9 mm

Charging Voltage	DC 5.0 V
Charging Time	Max. 3 Hours
Operating Temperature	-20° to +70°C
Storage Temperature	-40° to +90°C
Battery	Lithium Polymer 3.7V 600 mAh

SAFETY AND GENERAL INFORMATION

1. Please read this guidebook carefully and follow the instruction.
2. To avoid any damage or malfunction of the unit, do not drop it from high place.
3. Keep away unit from humidity, water and any other liquid. And if the unit is exposed by water, moisture and other liquid directly, then do not operate it normally to avoid any electrical shock, explosion and damage of the unit.
4. Do not place or keep the unit near the heat sources such as direct sun light, radiators, stoves or other apparatus which produce heat. It may cause explosion, degrade of performance and reduce battery life.
5. Do not modify, repair & disassemble unit at discretion (especially battery; it may cause an explosion)
6. Do not place the heavy objects on the unit.
7. Use only supplied and approved charger.
8. Replacement or service must be done at a qualified service center or manufacturer.
9. Unplug this unit when unused for long period of time or during lightening storms.

[CAUTIONS] ELECTRIC SHOCK HAZARD

The battery used in this device may present a risk of fire or chemical burn if mis-treated.

FCC STATEMENT

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.

[Note] The manufacturer is not responsible for AzNY interference, for example RADIO or TV interference, caused by unauthorized modifications to this equipment. Such modifications could void the user's authority to operate the equipment.

EU

This product is CE marked according to the provision of the R&TTE Directive (99/5/EC). **CE 0678**
Here by MOVON Corporation, declares that this product is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC.

Please note that this product uses radio frequency bands not harmonized within EU. Within the EU

this product is intended to be used in Austria, Belgium, Denmark, Finland, France, Germany, Greece, Ireland, Italy, Luxembourg, The Netherlands, Portugal, Spain, Sweden, United Kingdom and within EFTA in Iceland, Norway and Switzerland. Bluetooth is a trademark owned by the Bluetooth SIG, Inc.

WARRANTY

The condition of this warranty and our responsibilities under this warranty are as follows:

Supplier's warranty is non-transferable. And this warranty is limited to the original purchaser only.

-You must be able to prove the date of original purchase of the unit with a dated receipt.

-The warranty is not applicable if the product has been subject to physical abuse, improper installation, modification or repair by unauthorized third party.

-The responsibility of supplier's products shall be limited to the repair or replacement of the product at its sole discretion.

-Specifically exempt from any warranty are limited-life consumable components subject to normal wear and tear such as batteries, decorates and other accessories.

-A supplier will not take any responsibility if the failure of the unit has resulted from accident, abuse, misuse or any unauthorized repair, modification or disassemble.

-Modification and repair of the unit should be done by authorized and qualified service personnel, center or returned to the manufacturer

-This warranty gives you specific legal rights and you may also have other rights which vary under local laws.

WEEE SYMBOL INFORMATION



Correct Disposal of This Product
(Waste Electrical & Electronic Equipment)

(Applicable in the European Union and other European countries with separate collection systems)

This marking shown on the product or its literature, indicates that it should not be disposed with other household wastes at the end of its working life.

To prevent possible harm to the environment or human health from uncontrolled waste disposal, please separate this from other types of wastes and recycle it responsibly to promote the sustainable reuse of material resources.

Household users should contact either the retailer where they purchased this product or their local government office, for details of where and how they can take this item for environmentally safe recycling.

Business users should contact their supplier and check the terms and conditions of the purchase contract. This product should not be mixed with other commercial wastes for disposal.

[IMPORTANT NOTE] To comply with RF exposure requirements, this device may not be co-located with any other transmitter or antenna.