

SUNITEC ENTERPRISE CO., LTD.

Tong-Fu-Yu Ind, Ku-Keng, Guan-Lan, Bao-An District, Shenzhen 518110, China.
TEL:86-755-28088244/28089953 FAX:86-755-28088153
Email: sales1@sunitec.com.tw <http://www.sunitec.com.tw>

Product Specification and User Manual

Product Name :	Bluetooth Stereo Headset
Product Model. :	MMI-1R & MMI-1RE
Customer :	V Three
Document version:	V1.0

Product Development Department	DATE	
Prepared By :	Lijun	2006-5-15
Approved By :	Liyuanshun	2006-5-15

DOCUMENT CHANGE HISTORY

Version	Date	Person	Remarks
DraftV0.1	2006-05-05	lijun	
DraftV0.2	2006-05-15	lijun	Additional V+ and V- Buttons
V1.0	2006-05-20	lijun	First release

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.

Notice : The changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

IMPORTANT NOTE: To comply with the FCC RF exposure compliance requirements, no change to the antenna or the device is permitted. Any change to the antenna or the device could result in the device exceeding the RF exposure requirements and void user's authority to operate the device.

1. Product Features:

Compatible Bluetooth Specification V1.2

Operating Frequency Band: 2.4GHz ~ 2.48GHz unlicensed ISM band

Class 2 Output Power

Support Profiles: A2DP, Headset and Hands Free Profiles

Support Multiple paired. (Up to 8 Bluetooth Phone can be paired).

Battery type: Rechargeable Lithium Polymer, DC 3.7V, 230mAH

Talk time: 8~10hours

Music Play time: 8~10hours

Standby time: 250hours

Charger time: 2~3hours

Charger input voltage: DC5.0V 200mA

Size: 4cm(L)*2.6cm(W)*2.3cm(H)

Weight: 26.3g.

2. Appearance:



3. Button Functionality:

Buttons	Functions Description
“MFB” Button	Power ON/OFF Pairing Answer Call End/Cancel Call Voice Dial Last No. Redial
“V+” and “V-” Buttons	Volume control Reject Call Call transfer
Passkey Code	0000

About Stereo Headset MMI-1R

This versatile Bluetooth Stereo Headset is specially designed for user to enjoy convenience of wireless communication. Dual capability of listening to music in a wireless mode & answering phone calls, even when music is being streamed. Auto switching in between music & calls for most of the phones

The music source for this stereo headset can be any consumer device such as a Mobile phone, PC, Music system, or an in-car entertainment system that is compliant with the Bluetooth specification version 1.2 and support the Advanced Audio Distribution profile (A2DP), AVRCP, Headset & Hands free Profiles. By using of the latest technology of CSR, Bluecore3-Multimedia External chipset, it gives you the sound quality you've never experienced.

Getting to Know Your Bluetooth Stereo Headset

Getting Started

To use your Bluetooth headset, please follow these simple steps:

- (a) Charge your Bluetooth headset.
- (b) Place your Bluetooth devices to the headset no more than 1 meter.
- (c) Pair your Bluetooth headset with your Bluetooth devices.

Charging Your Stereo Headset

The Bluetooth headset comes with a built-in rechargeable battery. Prior to using the headset, it is recommendable to charge the battery fully for the first time. Normal fully charger time is 2 hrs. (Approx.).

Connect the charger to an AC wall outlet and the charge plug to headset's charging socket. After completion of charge, please remove the chargers from headset and outlet.

IMPORTANT:

- (a) Charging indication will be delayed for a few minutes if the headset has not been used for a long time or the battery is drained.
- (b) When battery becomes low, LED will flash red every 4 seconds. Please recharge the battery as described above. To prolong durability of battery, it's recommended to charge the headset whenever low battery is encountered. Under low battery condition, if headset is continuously used, it'll decrease durability of battery, as well as standby time, and cause longer charge time than normal 2 hrs.
- (c) The red LED will flash on while charging and flash off when charging is completed.

Turning On/Off the Stereo Headset

Turning On: Headset under off mode:

- (a) Press and hold the MFB for 3 seconds until you hear a short beep. The blue LED will flash on 3 seconds.
- (b) Headset will be under standby mode. The LED will flash blue every 4 seconds.

Turning Off: Headset under any modes:

- (a) Press and hold the MFB for 3 seconds until you hear a long beep. The red LED will flash on 3 seconds.
- (b) Headset will be off. The LED will flash stop.

IMPORTANT: Press the MFB again each time you turn on the headset to reactive the paring so that the

connection in between the headset and paired Mobile phone is resumed. For pairing, please refer to procedures under "Pairing".

Pairing, Connection (Link) between Stereo Headset and Mobile phone

- (a) Place the headset and Mobile phone no more than 1 meter apart.
- (b) Ensure the headset is under off mode.
- (c) Press and hold the MFB for 6 seconds until the headset LED flashes red and blue alternately. It's now ready for pairing.
- (d) Initiate Mobile phone to search for Bluetooth device. (Please refer to your Mobile phone user manual.)
- (e) Select headset "MMI-1R" from the obtained Bluetooth device list.
- (f) Enter the Bluetooth password "0000" to pair the headset with the phone. When pairing is completed, the headset LED will first flash blue 3 times slowly and then turn to constant every 4-second flash. The headset is now under standby mode.
- (g) Press "Return" on your Mobile phone to the main menu. Once pairing is completed, for most of Mobile phones, you may see a mobile headset ICON on screen indicating Bluetooth connection (link) is obtained. If not, to obtain Bluetooth connection, please refer to Connection (Link) as described below. You should now be able to make and receive calls with your headset and Mobile phone.

IMPORTANT:

- (a) Under pairing mode, if pairing procedures are not completed within 2 minutes, the headset will power off and emit a long beep. Please repeat step (b) to (g) to pair the headset and Mobile phone again.

- (b) Connection/Link between Headset and Mobile phone:

After pairing is completed, headset is always under standby mode. Before you place or answer a call, if the headset ICON is not shown on phone screen, please follow the simple steps to activate the Bluetooth connection/link through your Mobile phone until the headset ICON is on the screen.

On Mobile phone: Select "MMI-1R" from the paired list on your Mobile phone screen.

Whenever Bluetooth connection/link is removed and the headset ICON is not on the Mobile phone screen - for example: power off on headset/Mobile phone or out of 10 meter sensing distance, please activate connection/link as suggested.

Resume Connection (Link) between Stereo Headset and Mobile phone (or other devices):

- (a) Headset is under off status:

Turn on the Headset for headset to search for the last connected devices and obtain Bluetooth AG (Audio Gateway) connection automatically.

- (b) Headset is under standby mode – activate headset to resume connection:

Press the MFB for the headset to search for the last connected devices and obtain Bluetooth AG(Audio Gateway) connection automatically or select "Accept" on Mobile phone screen to accept connection.

- (c) Headset is under standby mode – activate headset to resume connection:

Short press V+ or V- for the Headset to search for the last connected devices and obtain Bluetooth AV (Audio Video) connection automatically

(d) Headset is under standby mode – activate Mobile phone to resume connection:
Select “MMI-1R” from the paired list on your Mobile phone screen.

Disconnection (Link) between Headset and Mobile phone

You might want to connect your headset with other Bluetooth devices. To remove pre-connection, please follow the simple steps.

(a) Power off the headset
(b) Disconnect the headset in the Bluetooth menu of the phone.

Using the Stereo Headset & Mobile phone

After completion of connection (headset is under standby mode), you may access the following functions.

(a) Answering a Call:

When there is an incoming call, press the **MFB** button to accept the call or answer the call via your Mobile phone in the normal way.

(b) Answering a Call when listening to Mobile phone Audio:

Press the **MFB** of headset or Mobile phone to accept an incoming call. To resume audio playing, press the **MFB** of headset or via your Mobile phone after the call is ended.

IMPORTANT: To attain STEREO effect, please ensure your Mobile phone or PDA is A2DP enabled.

(c) Call Ending:

Press the **MFB** to end a call or end a call via your Mobile phone in the normal way.

(d) Voice Dialing:

If your Mobile phone is voice dialing enabled, press the **MFB** and when you hear a beep, say the voice tag.

IMPORTANT: Please make sure to record voice tag into the Mobile phone before using voice dialing function. Please refer the user guide of your phone for instructions.

(e) Last Number Re-Dialing:

Press the **MFB** button twice. The headset will connect to the Mobile phone for last number re-dialing.

(f) Reject an Incoming Call: (Available only with MMI-1R)

When you hear the ringing tone, to reject an incoming call, press and hold **V+** or **V-** button for 3 seconds until you hear short beep.

(g) Call Interchanging: (Available only with MMI-1R)

(1) Headset to Mobile phone: Press and hold the **V+** or **V-** button for 3 seconds, headset will emit a short beep and conversation will be transferred to Mobile phone.

(2) Mobile phone to headset: Press the **MFB** button to transfer conversation to headset.

(h) Volume Adjustment: (Available only with MMI-1R)

During conversation is in progress, tune the volume buttons repeatedly until you reach the desired volume level.

IMPORTANT: Tuning the volume buttons is of no use when music playing is not in progress.

Pairing between Stereo Headset and USB Dongle

Prior to enter the following steps, please ensure your PC is installed with the USB dongle driver. The following procedures describe pairing procedures under IVT Bluesoleil driver installed in your PC.

- (a) Place the headset and USB dongle no more than 1 meter apart.
- (b) Ensure the headset is under off mode.
- (c) Connect the USB dongle to your PC.
- (d) Press and hold the MFB for 6 seconds until the headset LED flashes red and blue alternately. It's now ready for pairing.
- (e) Initiate the BlueSoleil on your PC.
- (f) Under BlueSoleil window, single click to the center red orb for PC to search for accessible Bluetooth devices.
- (g) Double click to the "MMI-1R" or "MMI-1RE" ICON from the obtained device list.
- (h) On your PC, enter password "0000", and then click "OK" to pair to headset. When pairing is completed, the headset LED will first flash blue 3 times slowly and then turn to constant every 4-second flash. The headset is now under standby mode and ready for Bluetooth connection (link).

Connection (Link) between Headset and USB Dongle

After completion of Bluetooth pairing between USB Dongle and headset, please follow the simple steps to obtain Bluetooth connection.

- (a) On your PC, under IVT BlueSoleil window, double click (left button of mouse) to the headset ICON. You will see the "A2DP" & "Headset" turn into yellow.
- (b) Single click (left button of mouse) to the "A2DP" to complete Bluetooth connection(link) between USB dongle and headset.
- (c). Initiate the "Windows Media Player" driver on PC to activate music playing.

You may now enjoy music from your headset wirelessly.

Listening to Music from PC via USB Dongle through Headset

- (a) Music Playing and Pause:

When music is streamed, press the **MFB** of headset or click "pause" on your PC screen to pause playing. To resume music playing, press the **MFB** of headset again or click "play" on your PC screen.

- (b) Volume Adjustment: (Available only with MMI-1R)

When music streaming is in progress, tune the volume buttons repeatedly until you reach the desired volume level.

IMPORTANT: Tuning the volume buttons is of no use when music playing is not in progress.

Pairing between Headset and Stereo Audio Dongle

- (a) Place the headset and audio dongle no more than 1 meter apart.
- (b) Ensure the headset is under off mode.
- (c) Set the audio adaptor under pairing mode. (Please refer to your user guide of audio adapter.)

(d) Press and hold the MFB for 6 seconds until the headset LED flashes red and blue alternately. The headset is now ready for pairing. Mean while the audio adaptor will initiate Bluetooth pairing and complete connection (link) to headset automatically. When connection (link) is complete, the headset LED will flash blue 3 times.

Listening to Music from Audio Devices (MP3) via Audio Dongle through Headset

After completion of Bluetooth connection (link) between headset & audio adaptor, please connect the audio adaptor to the audio port of audio devices. You may now enjoy music through your headset wirelessly.

Headset's Multi-Pairing and Connection (Link) to Mobile phone and Audio Devices

(a) Pair the headset to audio devices – not the Mobile phone, for example, USB HCI dongle, USB AV Dongle, Audio Dongle etc. (Please refer to your user guides.)

(b) After pairing is completed, how to maintain the headset under **standby mode without Bluetooth connection (link)**:

- (1) Headset and USB HCI dongle: After completion of pairing, the headset will be under standby mode.
- (2) Headset and Audio Dongle: After completion of pairing, the headset will be under Bluetooth connection/link mode. Please remove Bluetooth connection/link by powering off the audio dongle.

(c) **Pair** the headset to Mobile phone and initiate Bluetooth **connection (link)** between headset and Mobile phone. (Please refer to previous description.)

(d) Initiate Bluetooth connection/link between headset and Audio device

Inter-Changing between Phone Call & Music

When music streaming is in progress, if there's an incoming call, music playing will be paused and you may hear a ringing tone from headset and Mobile phone. To answer an incoming call, press the MFB on headset. To resume music playing, press MFB again.

Back to Default & Remove Previous Pairing & Connection:

You may want to reset the headset to its original settings and clear the previous pairing. Please follow these simple steps.

- (a). Ensure the headset is under standby mode.
- (b). Press and hold both the V+ & V- buttons for 10 sec. until LED flashes blue and red alternately. Release the buttons.
- (c). Again press and hold both the V+ & V- buttons for 3 sec. until headset emits 2 short beeps and LED flashes stop. The headset will be back to original settings and be powered off.

Care and Maintenance

Stereo Headset:

- (a) Consider turning your headset off before placing it in your pocket or bag. If the MFB is accidentally depressed, your Mobile phone may place an unintended call.
- (b) Do not expose the headset to liquid, moisture or humidity, as it is not waterproof.

- (c) Do not use abrasive cleaning solvents to clean the headset.
- (d) Do not place the headset in high temperature, as it will result in an explosion.
- (e) Do not expose the headset to contact with sharp objects as this will cause scratching and damage.
- (f) Do not stick anything inside the headset as this may damage internal components.
- (g) Do not attempt to disassemble the headset, as it does not contain serviceable components.

If you do not use the headset for long periods, be sure to store it in a dry place, free from extreme temperature, humidity and dust.

Charging:

- (a) Only use the manufacturer supplied charger when charging the headset.
- (b) Do not disassemble the charger as it may expose you to dangerous voltages or other risks. Incorrect reassembly can cause electric shock when the headset is subsequently used.
- (c) Do not use the charger outdoor or in damp areas.
- (d) Only charge the headset's built-in battery in accordance with the instructions of this user guide.
- (e) Avoid charging the headset in extremely high or low temperatures.

Safety Information:

- (a) Check local laws regarding use of a Mobile phone and headset while driving. If you use the headset while driving, ensure your attention and focus remains on your responsibility of driving safety.
- (b) Never allow children to play with the headset. Small parts may be a choking hazard.
- (c) Observe all signs that require an electrical device or RF radio product to be switched off in the designated areas. These could include hospitals, blasting areas, and potentially explosive atmospheres.
- (d) Turn off your headset prior to boarding an aircraft. Do not use your headset in an aircraft.
- (e) Never mount or store your headset over any air bag deployment area serious injury may result when an air bag deploys.
- (f) Do not open or mutilate the built-in battery.

Trouble Shooting:

If you are unable to connect your headset and Mobile phone, please try the following:

- (a) Ensure your headset is turned on and is properly charged.
- (b) Ensure the headset is paired with your Mobile phone.
- (c) Ensure your Mobile phone's Bluetooth feature is activated. Please refer to your Mobile phone user's guide for specific instruction.
- (d) Ensure the headset is within a maximum of 10 meters of your Mobile phone(s) and there are no obstructions, such as wall or other electronic devices in between as it may cause shorter or interference transmission.
- (e) If all the above steps do not resolve your problem, please recharge the headset and remove your Mobile phone battery for a while.