

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 Hi-fi Dongle
Product Model. :	MMI-2T*3T*8T
Customer :	V Three
Document version:	V1.0

Product Development Department	DATE
Prepared By :	Lijun
Approved By :	Liyuanshun

DOCUMENT CHANGE HISTORY

Version	Date	Person	Remarks
V1.0	2006-05-05	lijun	First release

1. Product Features:

Compatible Bluetooth Specification V1.2

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

Class 2 Output Power

Support Profile: A2DP

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

Music Play time: 8~10hours

Standby time: 250hours

Charger time: 2~3hours

Charger input voltage: DC5.0V 200mA

Size: 37mm(L)*25mm(W)*13.8mm(H) MMI-2T

40.8mm(L)*37.5mm(W)*8.5mm(H) MMI-3T

67mm(L)*22.5mm(W)*8.5mm(H) MMI-8T

Weight: 13g(MMI-2T),

14.5g(MMI-3T),

14g(MMI-8T)

2. Appearance:



3. Button Functionality:

Buttons	Functions Description
"MFB" Button	Power ON/OFF Pairing Connect
Passkey Code	0000

About Bluetooth Stereo Audio Hi-Fi Dongle #MMI-TX

This versatile Bluetooth stereo audio Hi-Fi dongle is specially designed for user to enjoy convenience of wireless communication. User may listen to music in a wireless mode when music streaming is in progress.

The music source for this stereo audio Hi-Fi dongle can be any consumer device such as MP3, CD Player, PC & other Music system that is compliant with the Bluetooth specification 1.2 and support the Advanced Audio Distribution profile (A2DP). By using of the latest technology of CSR, Bluecore3-Multimedia External chipset, it gives you sound quality you've never experienced.

About Bluetooth Technology?

Bluetooth wireless technology is set to revolutionize the personal connectivity. By providing freedom from wired connections-enabling links and connectivity between mobile computers, mobile phones, portable handheld devices and other Bluetooth enables devices within 10 meters. Utilizing global sound & digital data 2.4G ISM transmissions, it makes global communication in the way you've never dreamed of!

Getting to Know Your Bluetooth Audio Hi-Fi Dongle

Getting Started

To use your dongle, please follow these simple steps:

- Charge your dongle.
- Place your Bluetooth Stereo Headset to the dongle no more than 10 meters.
- Pair your dongle with your Bluetooth Stereo Headset.

Charging Your Bluetooth Audio Hi-Fi Dongle

The dongle comes with a built-in rechargeable battery. Prior to using the dongle, 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 dongle charging socket. After completion of charge, please remove the chargers from dongle and outlet.

IMPORTANT:

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

Music Playback & Standby Time

The fully charged battery offers up to 9 to 11 hours music playback time and 170 hrs standby time. (This could be varied because of power consumption of different audio devices.) After completion of Bluetooth connection (link) and music playing is not in progress, the dongle remains powered on and under connection

mode.

Turning On/Off Your Bluetooth Audio Hi-Fi Dongle

Turning On: Dongle is under off mode:

Switch on the dongle and the blue LED will first flash on 3 seconds, then dongle is under Bluetooth device searching mode for 30 seconds with LED flashes blue every 0.5 seconds.

Turning Off: Dongle is under any modes:

Switch off the dongle and the blue LED will flash off. The dongle is under off mode.

Pairing and Connection (Link) between Bluetooth Audio Hi-Fi Dongle and Bluetooth Stereo Headset

Once, the dongle is under Bluetooth device searching mode, prior to using the dongle for the first time, you need to pair it with a Bluetooth headset. The following steps describe pairing instruction for a typical Bluetooth headset.

(a) Place the dongle and Bluetooth Stereo Headset no more than 1 meter apart.

(b) The headset is the last Bluetooth connected one with dongle:

Dongle will access to headset and complete connection immediately with LED flashes blue every 2 seconds.

(c) The headset is the paired, but not the last connected one:

Dongle will be under pairing mode with LED flashes red and blue alternatively.

(d) The headset is not yet paired to dongle:

Dongle will be under pairing mode with LED flashes red and blue alternatively.

(e) Dongle is under pairing mode. To complete Bluetooth connection, you need to set the headset under pairing mode. (Please refer to your headset instruction manual.) The LED will flashes blue every 2 seconds indicating completion of Bluetooth connection.

(f) Connect 3.5 mm DC plug of the dongle to music devices like MP3, PC, etc.

(g) Place the headset and music device no more than 10 meters apart. You may now, listen to the music with your Bluetooth headset wirelessly. (Obstruction could cause shorter transmission distance than 10 meters.)

IMPORTANT:

(a) As the existing password of dongle is "0000", the automatic Bluetooth pairing and connection described above is only applicable for those Bluetooth headset with the same password.

(b) If Bluetooth connection is not successful within 2 minutes, the dongle will be under standby mode with LED flashes blue every 4 seconds. Please power off the dongle and initiate paring/connection as described above.

(c) Once Bluetooth connection is removed, the dongle will be under Bluetooth device searching mode for 30 seconds.

(1) If Bluetooth connection to headset is not successful, the dongle will be under paring mode and initiate Bluetooth connection to headset.

(2) If Bluetooth connection to headset is not successful within 2 minutes, the dongle will repeat Bluetooth

device searching & pairing procedures.

(3) If Bluetooth connection to headset is not successful, the dongle will be under standby mode.

Disconnection between Bluetooth Audio Hi-Fi Dongle and Bluetooth Headset

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

- (a) Power off the dongle
- (b) Power off the Bluetooth Stereo Headset.

Bi-Color LED Indication

Status	Blue	Red	Emit Time
Power on	Steady on		3 seconds
Power off	Off	Off	
Standby	1 time		Every 4 seconds
Pairing in progress	Flashes red and blue alternatively.		
Pairing completed	3 times		
Connection (link) completed	1 time		Every 2 seconds
Low Battery under standby mode		1 time	Every 4 seconds
Low Battery under connection mode		1 time	Every 2 seconds
Charging in progress		Steady on	
Charging completed	Off	Off	

Care and Maintenance

Bluetooth Audio Hi-Fi Dongle

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

If you do not use the dongle 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 dongle.
- (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 Stereo Audio dongle is subsequently used.
- (c) Do not use the charger outdoor or in damp areas.
- (d) Only charge the dongle built-in battery in accordance with the instructions of this user guide.
- (e) Avoid charging the dongle in extremely high or low temperatures.

Safety Information:

- (a) Check local laws regarding use of the Bluetooth stereo headset and dongle while driving. If you use the dongle while driving, ensure your attention and focus remains on your responsibility of driving safety.
- (b) Never allow children to play with the dongle. 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 dongle prior to boarding an aircraft. Do not use your dongle in an aircraft.
- (e) Never mount or store your dongle 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 dongle and Bluetooth stereo headset, please try the following:

- (a) Ensure your dongle is turned on and is properly charged.
- (b) Ensure the dongle is paired with your Bluetooth stereo headset.
- (c) Ensure your Bluetooth stereo headset is turned on and is properly charged.
- (d) Ensure the dongle is within a maximum of 10 meters of your Bluetooth stereo headset and there are no obstructions, such as wall or other electronic devices in between as it may cause shorter or interference transmission.

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.