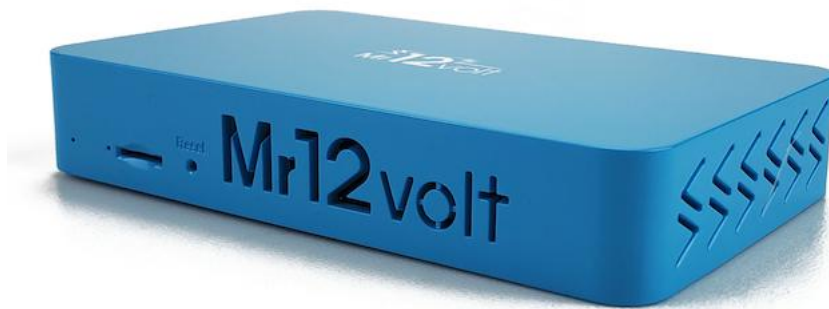


Mr12Volt MOST CarPlay interface for MMI 3G

Quick User Guide

Model No : P2000-3G8MD

A8 D4



1 - All you need to know before Installation

2 - Product Features

3 - Main Feature Operations

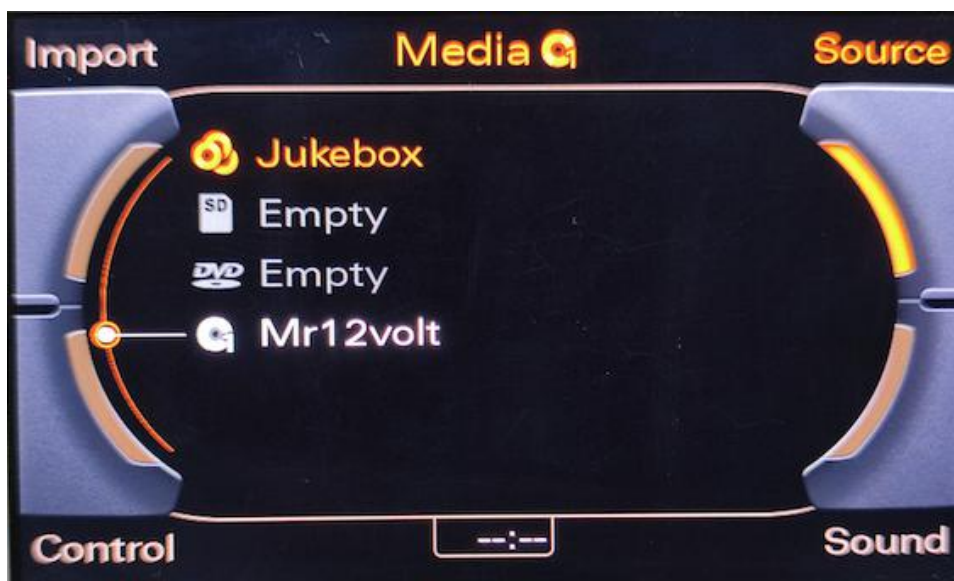
4 - Car Settings

5 - Sound Settings

6 - USB Supported Formats & Other Specs

7 - FAQ

1 - All you need to know before Installation

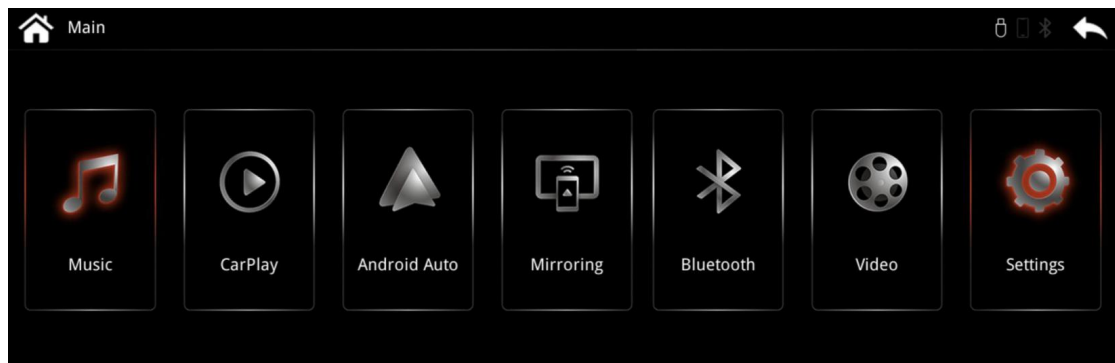


- Mr12volt interface emulates CD changer function of a Audi MMI radio and is connected through MOST bus of its function. Once successfully installed, Mr12volt will appear in Media menu as a CD changer. (Picture illustrated above)
- No coding is needed regardless of the MMI software version. And it works with or without a CD changer,
- If there is a CD changer fitted, particularly in A6 C6 2009-2010, it must be disabled and connector of CD changer should connect into Mr12volt instead
- Compatible with MMI 3G Basic, 3G High , 3G Plus

DIP SWITCH CONFIGURATION

Car Model	1.DIP	MMI Control Panel	2.DIP	3.DIP	Display Type	4.DIP	5.DIP
A8 (D4 2010+)	OFF	MMI 3G	OFF	No Function	7" Display A)	OFF	OFF
		MMI 3G+	ON		7" Display (B)	OFF	ON

2 - Product Features



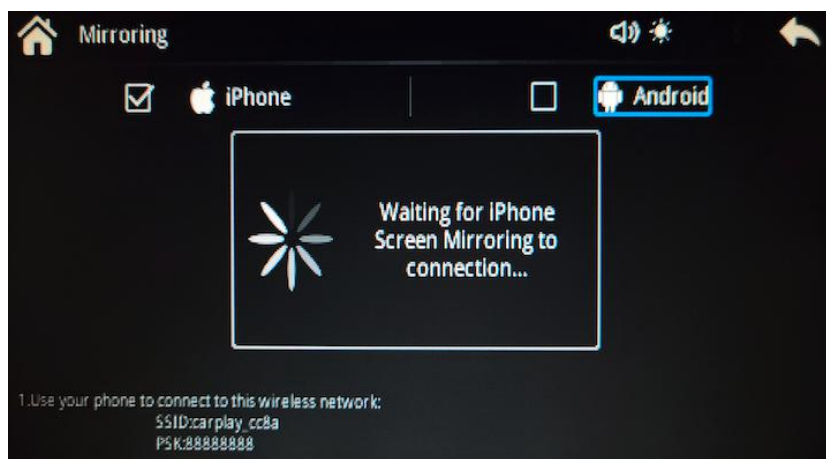
- CarPlay
- Android Auto
- Mirroring
- Music & Video Playback (Through USB Flash)
- Bluetooth HF & Music Streaming
- Reverse Camera Input (Support up to AHD720P)
- Front Camera Input
- Passenger Side L/R Camera Input (For the use of Blind Spot)
- Reverse Grid Line
- Digital Sound Processor (DSP) with 15 Band Equalizer Adjustment
- Software Update available

3 - Main Feature Operations

CarPlay/Android Auto

- Support both wired and wireless CarPlay connection
 - To connect to wireless CarPlay, both Bluetooth and Wi-Fi connection are required
 - For wired CarPlay & Android Auto : Use a genuine cable to connect through the USB connector. Both Wi-Fi & Bluetooth connections are NOT required in this case.
- ✧ **How to connect CarPlay :** Search for Mr12volt_xxxx and Pair to make a Bluetooth connection ---> Turn on Wi-Fi and & Use CarPlay ---> it will start CarPlay on your screen after few seconds, it could take longer for first time connection
- ✧ **How to connect Android Auto :** Search for MR12volt_xxx and Pair to make a Bluetooth connection, Wi-Fi on phone will be on automatically and connected to Android Auto

Mirroring



iPhone

1. Disable CarPlay by turning off Bluetooth & Wi-Fi Connection
2. Enter Mirroring menu on Car display and Choose iPhone

3. Turn on Wi-Fi on phone connect network “carplay_xxxx” (PW is 88888888)
4. Go to Apple quick menu bar, select Screen Mirroring and select Mirroring again
5. Phone display will appear on the car Display now

Android Phone

- It is necessary to install “MLink” application on your Android phone, it can be downloaded on www.mr12volt.com (Go to SUPPORT ---> Download ---> P2000 mirroring)



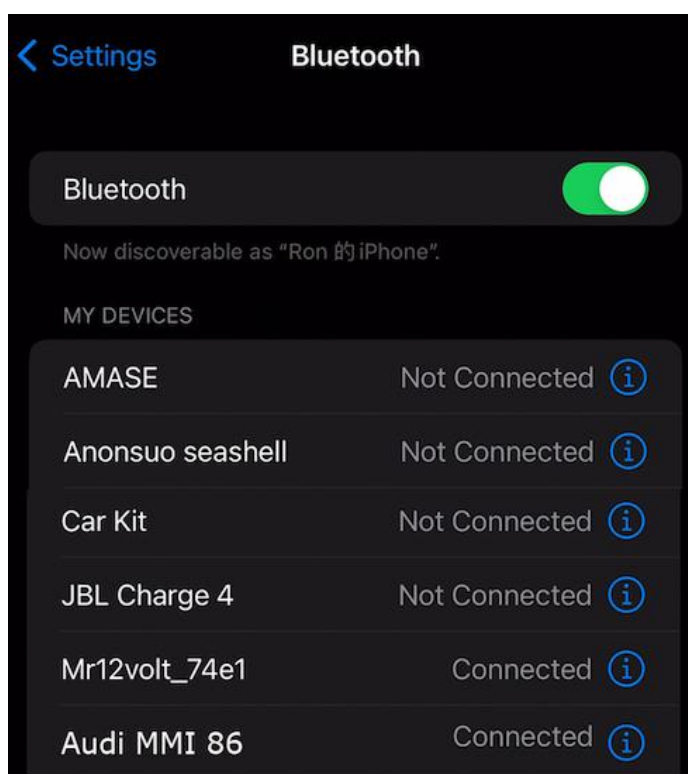
- Both Bluetooth & Hotspot connection are needed at all time for mirroring
- ✧ **Hotspot Setting :**
1. 5GHz band must be selected
 2. Enter Mirroring menu on car display and choose “Android”
 3. Network name & Password on phone must be set same as shown on Mr12volt “Mirroring” menu
 4. Open MLink app-->turn on Bluetooth and Hotspot
 5. When both Bluetooth and Hotspot are successfully connected, phone display will appear on Car Display
- It is always best to open mirroring menu on car display prior to the connection of Bluetooth, so that Android Auto does not overtake the function of mirroring when first connected to Bluetooth

Bluetooth

- Phone contact list
- Contact history
- Dial Pad
- Audio Streaming

BT Hands-free

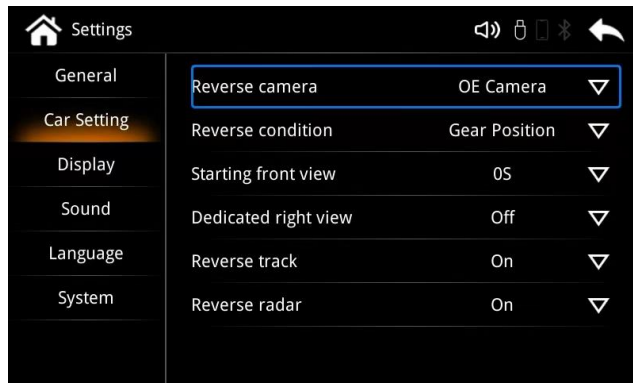
- ✧ When a call is incoming, answer and reject button will appear on display, use MMI/i-Drive/Rotary button to select.
- ✧ Audi factory Bluetooth HF and Mr12volt Bluetooth can be connected at the same time. (see below picture) When both are connected and a call is incoming, Audi HF will take over Mr12volt HF and it can be answered through phone button on steering wheel.



- Mr12volt Does not support the integration of OEM microphone even with the installation of a Y-cable. if you need to use Mr12volt HF or Voice Command such as Siri, the 3.5mm jack microphone supplied in the package must be installed.

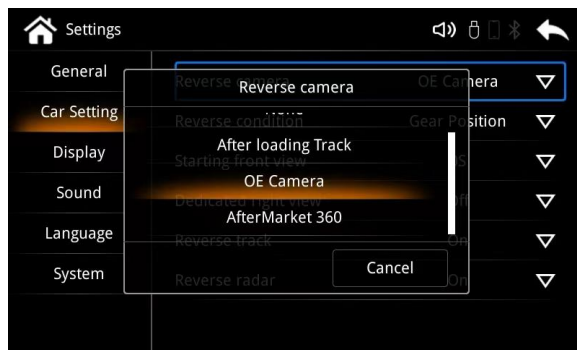
4 - Car Settings

Car Setting



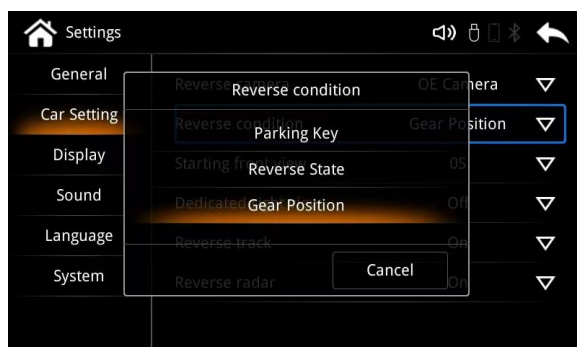
“Reverse Camera” settings

- OE Camera (Default) - Select this when car is fitted with factory camera
- AfterMarket 360 - Select this when car is installed with a aftermarket camera (support up to AHD720 only)



“Reverse condition” settings

- Gear Position (Default) - Detects through CAN bus when reverse.
- Reverse state - Detects through 12v reverse light signal when reverse (requires the manual wiring connection of a car reverse signal)

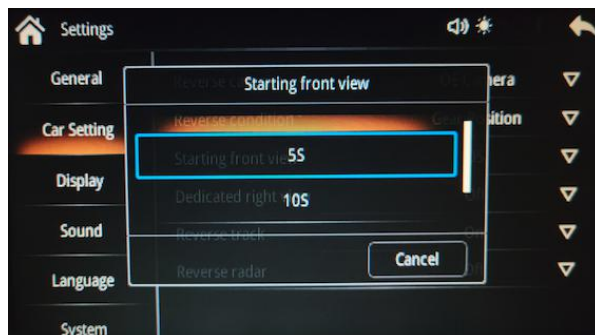


When do i select “Reverse State” ?

Mr12volt detects car CAN bus with most of the car models in the market, however in some cases particularly in older generation cars, when CAN bus can't be detected, it is necessary to manually detect camera through car reverse light signal.

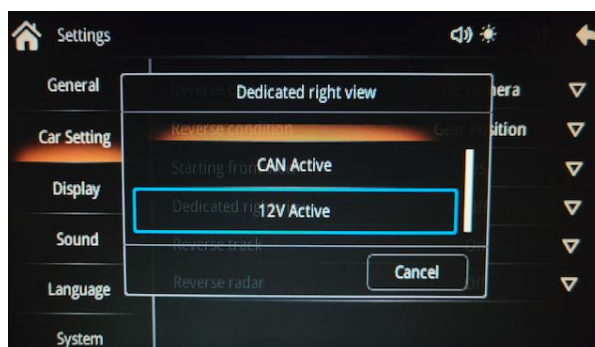
(Refer to the AUDI MMI 3G Installation Diagram for more details)

“Starting front view” - Front camera timer setting with 5s, 10s, 30s



“Dedicated right view” - L/R Side camera setting (Blind Spot camera)

- Can Active - Detects through CAN bus
- 12v Active - Detects through 12v side L/R light



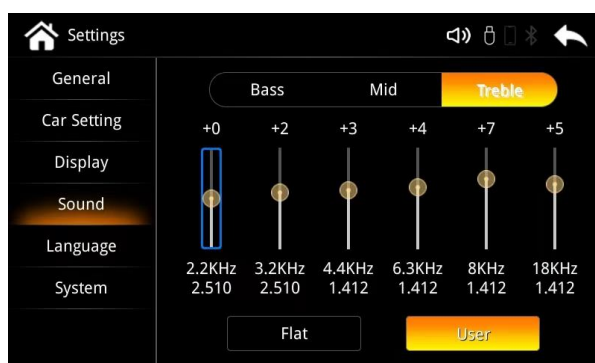
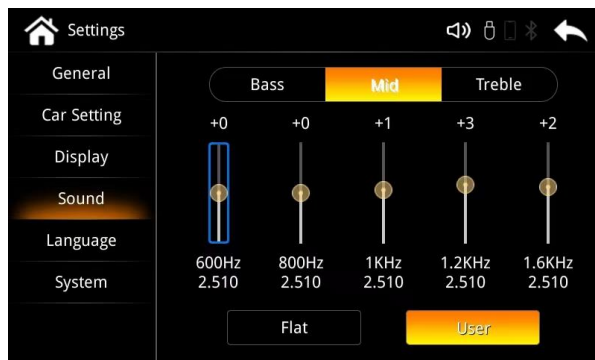
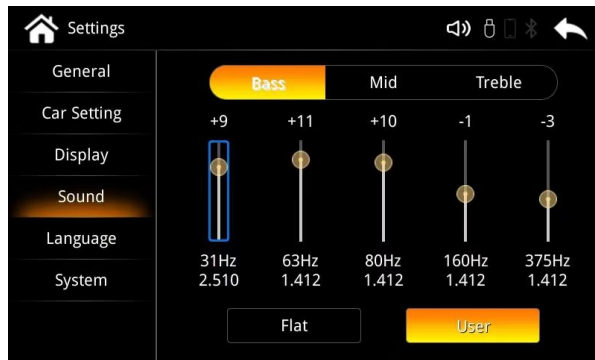
“Reverse track” - Option to turn ON / OFF of a Parking Grid (For AfterMarket camera only)

“Reverse radar” - Option to turn ON / OFF of a Reverse Sensor (For AfterMarket Reverse sensor only)

5 - Sound Settings

Sound Settings

- DSP Built-In
- Bass/Mid/Treble level adjustment with 15 bars customization
- Factory default at Flat



6 - USB Supported Formats & Other Specs

Music and Video Playback File Format

- USB file format FAT32
- Support USB2.0 , Hard disk memory
- Supported music format : MP3, WMA, AAC, AC3, DTS, OGG, FLAC, APE, AMR
- Supported video format : mkv, mp4, avi, wmv, rmvb, rm, mpg, mpeg, ts, dat, asf, flv, vob
- Supported photo format : BMP, JPG, GIF, PNG
- DOES NOT support folder management when browsing USB Music and Video files

Other Data

- Support Phone Charging through USB connector @ 500mAh
- Support Hi-Resolution Loss-less Apple music Wireless

7 - FAQ

Q : I have a Audi RMC, does it work ?

A : It does not work on RMC, it only works on MMI 3G

Q: I have a BOSE system, does it work ?

A: It works on all sound systems regardless its BOSE, B&O or Standard system.

Q: Do i need any coding or software update ?

A: No coding or software update is needed.

Q: Does it support my factory back camera and parking grid ?

A: *Yes, it support back camera as well as the original parking grid line.*

Q; Can i use my Audi MMI Bluetooth HF while connected to Mr12volt Bluetooth ?

A: Yes, they can be connected at the same time, Audi factory HF will take over Mr12volt when a call is incoming and it can be answered through phone button on steering wheel.

Q; I have a Factory microphone in my Audi Car, can i connect this to Mr12volt instead of the microphone in the package. ?

A: NO, Mr12volt Does Not support the integration of OEM microphone even with the installation of a Y-cable. if you need to use Mr12volt HF or Voice Command such as Siri, the 3.5mm jack microphone supplied in the package must be installed.