Mr12volt P600 Series

For Mercedes Benz

NTG 1, 2 Audio 20 /APS50/Comand

Model No: P600-LP1603MB

1. Introduction

The MR12VOLT P600 Series lets you connect Bluetooth devices, USB flash drive, Micro SD card and AUX In devices to your original car radio, providing Hi-Fi quality music playback and simple menu based control through your radio. The Bluetooth also provides you A2DP music streaming and hands free functions which integrates to your original steering wheel buttons.
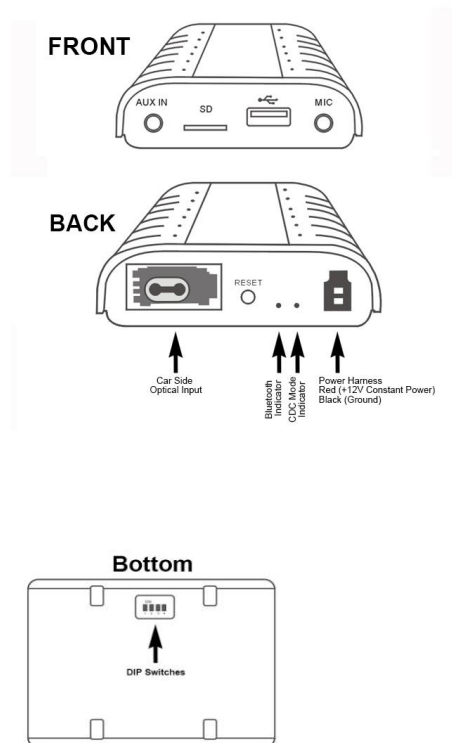
Package content :

- Main Module
- Optical cable (M.O.S.T.)
- Power Lead
- 3.5mm Jack to Jack cable
- Microphone (270cm)

2. Programming & Qualifier

- Generally no programming is required for most M.B Except for "Audio 20" radio (monochrome display)

- For Audio 20, it must possess a telephone, amplifier, CD changer device connected through M.O.S.T fiber.

- Phone book List does not work Audio 20 and APS 50

Main Module Overview

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3. Installation

- **Important note:** When you connect the power harness please make sure that you feed the Mr12Volt device with +12V non-switched constant power.

- Please make sure that during installation, you don't disconnect other devices of the optical ring, (for example the amplifier of the car).

- The use of 6CD changer function will be disabled after installation

Installation Type 1: For CD changer located in front dash and glove box.

- Mr12volt P600 emulates CD changer function, installation is simple and direct. Simply remove the original 6CD Changer connector and connect directly to Mr12volt P600 device instead.
- Getting the power source : Connect Red wire lead to 12+ *Constant* power from car wiring harness and Black wire lead to ground.
- At your own choice you can wire up microphone at your desire position, it is recommended to wire through "A" Pillar and to top of the windscreen.

Installation Type 2 : For CD changer located in Rear trunk (W220/C215) and behind the seat (R230)

- A Fiber Optic loop connector is needed to disable the function of CD changer, Simply remove original 6 CD changer connector in the trunk lid and apply with F.O. loop connector. (See fig 01)

Fig. 01 F.O. loop connector

- 3 Way split F.O. cable is needed to install on the back of the Head Unit. (Simple remove the Head Unit out, install Mr12volt P600 on the back through the M.O.S.T. fiber with the split F.O. cable as a bridge connection (see fig 02)

Fig. 02 Split F.O. cable

Please Take Note : Standard package does not include F.O. Split cable and Loop connector, you need to

purchase separately for them.

4. DIP Switch Settings

● The 4th dip switch is used to bypass P600 hands free and retain factory car hands free function

	DIP 4
Use P600 BT hands free	OFF
Bypass P600 BT hands free	**ON**

	DIP 1	DIP 2	DIP 3
Default Vol.	OFF	OFF	OFF
- 2db	**ON**	OFF	OFF
- 4db	OFF	**ON**	OFF
- 6db	**ON**	**ON**	OFF
+ 1db	OFF	OFF	**ON**
+ 2db	**ON**	OFF	**ON**
+ 3db	OFF	**ON**	**ON**
+ 4db	**ON**	**ON**	**ON**

5. Additional installation for OEM fitted hands free system

What if a "telephone system error" pops out and phone buttons doesn't work after installing Mr12volt P600 ?

● In this case, you have a OEM fitted hands free module within the radio M.O.S.T system, you need to disable the OEM hands free by applying F.O. Loop connector to it (The OEM phone module is usually located in the trunk under the boot cover, depending on vehicle, some are fitted on different locations)

6. Disclaimer

If your car's electrical system begins to behave in an unpredictable way please immediately disconnect the MR12VOLT device physically and have it checked by your installer or an automotive electronics professional. MR12VOLT and its authorized distributors and retailers are not liable for any incidental consequential or indirect damages or loss and do not assume liability for any diagnostic fees.

The use of handheld devices while driving may be subject to government regulation. Please ensure that your use of the MR12VOLT device is complied with applicable traffic laws. MR12VOLT does not assume liability for any events resulting from the illegal or irresponsible use of handheld devices during the driving. MR12VOLT reserves the right to modify its products or specifications without prior notice.

General Operation Guide

Mr12volt P600 operates in CDC mode, connect a music source to it and switch to CDC mode and it will play right away.

1. Switching functions within P600

In CDC mode, by pressing "Disc 6" , you can toggle functions between BT/USB/AUX in/SD

2. Pairing with the Bluetooth

The pairing procedure is simple. Go to your phone's Bluetooth setup screen and search for new Bluetooth devices. In the new Bluetooth device list select "**Car Kit**" and the pairing is done.

● Make sure " media audio" is enabled in the Bluetooth setting or it will not play A2DP music

● When streaming music on phone for the first time, make sure volume on the phone is turned on, as phone media volume are usually set default at 0 when first connected with Bluetooth ,

3. USB and Micro SD flash disk preparation

The disks must be FAT32 formatted, and should not exceed 32GB in size. If you are not familiar with how to format the disks, please search for "USB FAT32 formatting" on www.google.com

4. Music files and folder preparation

Mr12volt P600 is capable of playing .MP3 and .WMA format music. As it emulates CD changer function, the first 5 folders being stored in your memory flash disk that contain music files will be displayed as Disc 1 to Disc 5 in your radio.

If there are music files in the root directory, then the root directory will be treated as Disc1. The order of songs are dependent on the music files' created time in each folder. (The first saved file will be seen as song #1 and so on)

5. Phone Calls

Making and answering phone calls is no difference from using the original Bluetooth module. You can simply use the "Call", "End Call" buttons, and the number pads on the radio or steering wheel to perform phone call operations. When a phone call is ended the device will automatically switch back to last played position.