

# Mr12volt P600 Series

## For Volvo/Range Rover L322/Aston Martin/Freelander 2

Basic, High Performance, Premium sound  
system

Model No: P600-LP1606VO

### 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.

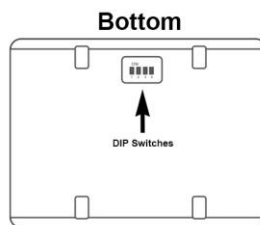
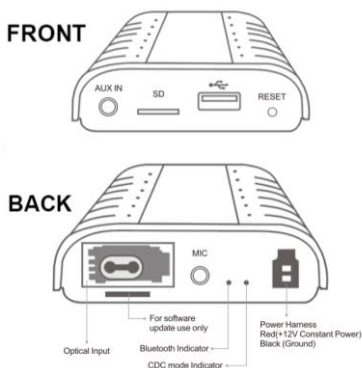
### Package content :

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

### 2. Programming & Qualifier

- No Coding required for Volvo
- Phone contact list does not work on Volvo/Aston Martin & Range Rover L322 radios
- Text capable

### Main Module Overview



### 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).
- Mr12volt P600 and factory Head Unit CD player/Changers can be installed at the same. However, when an audio source is connected to P600, it will temporary take over the function of Head Unit player and emulates CDs function, when disconnected, however will play CD player back again

**Range Rover & Aston Martin: P600 must be installed behind Head Unit, it cannot be installed in Rear trunk or behind Glove box**

### Installation steps

1. 3 way split F.O. cable is used to install and bridge behind Head Unit through the M.O.S.T fiber (simply remove Head Unit out, install P600 behind through M.O.S.T. and make a bridge connection using the split F.O. cable in the package) see fig.02



Fig. 02 Split F.O. cable

2. Getting the power source : Connect Red wire lead to 12+ **Constant** power from car wiring harness and Black wire lead to ground.
3. At your own choice you can wire up microphone at your desire position, it is recommended to wire through "A" Pillar and to the top of windscreen.

## 4. DIP Switch Settings

- The 4th dip switch is used to bypass P600 hands free and retain original car hands free functions

	DIP 4
Use P600 BT hands free	OFF
<b>Bypass P600 BT hands free</b>	<b>ON</b>

Model/ Year	Player	DIP 1	DIP 2	DIP 3
XC90/Aston Martin 2002-2006	6 Disc	ON	OFF	OFF
XC90/Aston Martin 2007-2012	6 Disc	OFF	OFF	OFF
XC90 2007-2012	1 Disc	ON	ON	OFF
S40/V50 2002-2005	6 Disc	ON	OFF	OFF
S40/V50/C30/C70 2006/2012	6 Disc	OFF	OFF	OFF
S40/V50/C30/C70 2006/2012	1 Disc	ON	ON	OFF
S80/XC70/Freelander 2 2006/2012	6 Disc	OFF	OFF	ON
S80/XC70/Freelander 2 2006/2012	1 Disc	OFF	ON	OFF
Range Rover L322 2006-2009	6 Disc	ON	OFF	ON

## 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 mode 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](http://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.

For single CD player, it only supports 1 folder.

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

Unlike other car radios, P600 hands free on Volvo/Aston Martin/Range Rover operates in CDC mode only. For example, when you are listening to radio and receive a incoming phone call, you will need to manually switch to CDC mode and then you can answer phone call by "next" button "or reject by "previous" button (sound will instantly switch to car speakers without delay when switching from radio to CDC.)