



# **User Manual**

# MB-68DSP.A

#### **Product Introduction:**

Main unit overview A:

You could enjoy powerful bass and beat by using it.

### Product Feature:

- Nondestructive Installation, socket suits original car, no need to change original car ciruit, safety assured.
- Adopt newest and double accurate DSP processor with calculation of floating-point, 100% acoustics improved.
- Zero quiescent current, no need current at standby mode, protect car storage battery well.
  Mute control, CPU detects output noise level, automatically filter unnecessary noise.

- Please observe the butted wires and install in right ways before installation.
- If the original car is equipped with independent power amplifier or modified audio power amplifier, please consult the local dealer before installing this product, so as to improve the sound effect more effectively with correct connection.
- Please turn off the sound effects of the original car navigation or CD.

- BYPSAA/DSP contrast switch ② Mode selection button:
- Optional system storage 1-6 sound mode.
- ③ Power/High Level Input/Amplifier Output ④ Boot switch
- Choose high level start or ACC start. 5 Power / sound mode indicator: The indicator light flashes after power on, and the number of flashing intervals
- represents 1-6 mode. 6 External auxiliary signal input.
- ① Low level signal output. ® USB port.

## High pass filter:

Frequency setting range: OFF/20Hz-20000Hz

High pass filter action: sets the highest high frequency through.

For example, if the high pass filter frequency is set at 800Hz, then the frequency above 800Hz can pass, and the frequency below 800Hz cannot pass.

### Low pass filter:

Frequency setting range: OFF/20Hz-20000Hz

Low pass filter function: sets the lowest high frequency through.

For example, if the frequency of the low-pass filter is set at 800Hz, then the frequency below 800Hz can pass, and the frequency above 800Hz cannot

### Graphics equilibrium:

Normal icon equalizer, cannot set the frequency and Q values. Slowly adjust according to field sound to increase or decrease gain.

#### EQ equilibrium:

 $\label{eq:continuous} \textbf{Advanced equalizer, can set the frequency and the Q value, the frequency point can change arbitrarily}$ Q value: the Q value is small, the width of the frequency band is large, and the adjustment is obvious. Large Q value, small frequency width and small adjustment change (adjustable range: 0.3-50)

#### Volume/Phase Control:

The phase of 0/180, you can change the horn

Total volume: power amplifier gain adjustment, the default is OdB, can be adjusted according to the actual situation.

The gain can be independently adjusted for 4 door speakers, medium horn and bass, the default is OdB, which can be adjusted according to the actual situation, or the whole vehicle interconnection, front field interconnection and back sound field interconnection can be selected.

## Delay adjustment:

The delay function is to create the effect of the center of the sound field (also called the emperor position) by delaying each loudspeaker.

### Digital positioning



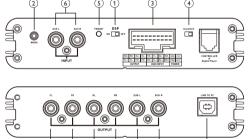
The sound field is positioned by input value in the corresponding channel.

# Graphical positioning



Click GRAPHIC to enter the quick positioning interface, and moves the blue cursor to locate the sound field according to different car models.

# Main unit overview



- ① DSP contrast switch
- ② Mode selection button:
- Optional system storage 1-6 sound mode. 3 Power/High Level Input/Amplifier Output
- Choose high level start or ACC start. 5 Power / sound mode indicator: The indicator light flashes after power on, and the number of flashing intervals represents 1-6 mode.
- 6 External auxiliary signal input.
- 7 Low level signal output.
- 8 Low frequency signal output.
- USB port.

# System options:

Optio : >Advanced/Mixxer Sett /Factory Reset/PC Save/PC Load/Save All/Load Ail/ Chinese-English shift/Upd te Firmware/About Advanced>REM boot delay update Firwmare >Select Firmware Upgrade/Start

# Amplifier startup delay:

Bluetooth Player:

play music.

and establishes a connection.

 $automatically\ after\ the\ call\ is\ finished.$ 

Bluetooth function of the phone next time

 $\ensuremath{\mathfrak{J}} \ensuremath{\text{ Adjust the volume of the Bluetooth music on your phone.}}$ 

The startup time of the external power amplifier can be adjusted by software to eliminate the noise when the external power amplifier is turned on. (REM boot delay)

① The phone turns on the Bluetooth function, searches for the "Car Music" Bluetooth device,

② After the Bluetooth connection is successful, the mobile phone player will automatically open and automatically play music. At this time, you can enter the phone player interface to

4 When playing mobile phone Bluetooth music, if you answer or make a call at this time,

Bluetooth music will pause playing, and the Bluetooth music will resume playing

(5) If you want to turn off the Bluetooth music, turn off the Bluetooth function of the phone, and

automatically connect and automatically play the Bluetooth music when you turn on the

# Wiring definition:



	POWER		HIGH LEVEL INPUT				HIGH POWER OUTPUT				
Q	ACC	REM	RR+	RL+	FL+	FR+	FR-	FR+	FL-	FL+ (	D
0	+12V	GND	RR-	RL-	FL-	FR-	RL-	RL+	RR-	RR+ (	20

# Computer interface:

- ① Copy the computer debugging software to the operating computer.
- ② Connect the USB port of DSP with the data cable to the USB port of the computer. ③ Open the debugging software (as shown in the figure below).
- 4 The system automatically transmits data, and the upper left corner shows that the connection has successfully entered the debug state.

Wifi system device, turn on the pc Wifi function, search DSP Wifi device and establish connection.







For iPhone, please search "CAR DSP BLE" on App Store Product Information:

Frequency Response ...... 20Hz-20KHz Sensitivity......105dB Input Sensitivity .......2-15 V RMS Low level RCA output voltage ................................ 2.5 V

Specifications and the design are subject to possible modification without notice due to improvements.