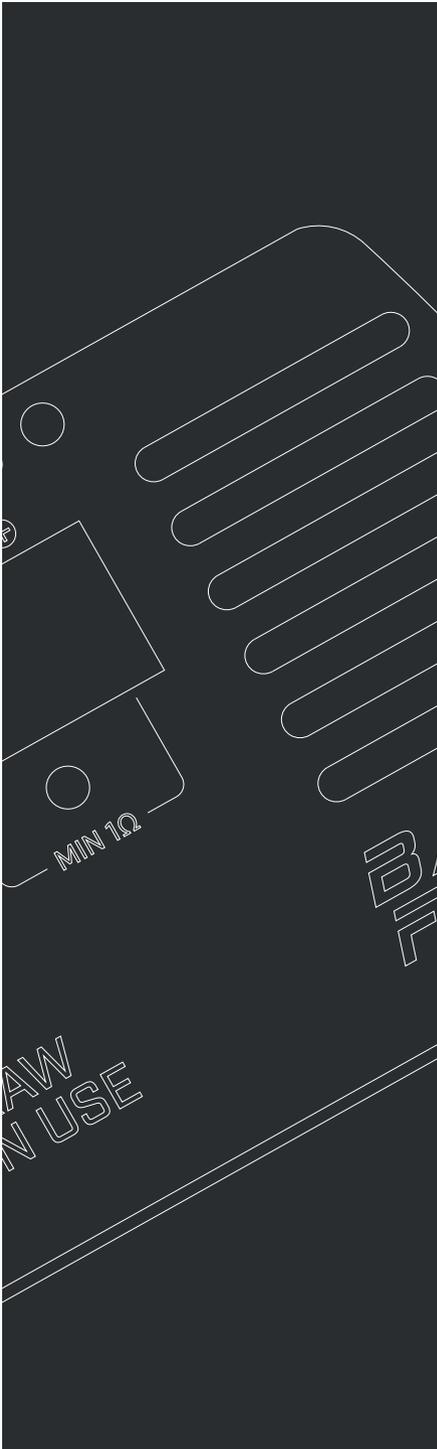




Car Audio DSP Product Manual
TEAM DSP6/10





Content

Product Description	page 3
Detailed Technical Data	page 3
Technical & Cautions	page 4
Team Tips	page 4
Connections & Layout	page 4-5
Introduction To PC Software	page 5-6
Common Fault Solutions	page 6
Download the App	page 6

Product certification standards



1. Product Description

This DSP offers the enthusiast a versatile way to add precise control to the sound of the audio system by either adding additional channels which can be independently controlled or by manipulating the sound of the existing ones.

2. Detailed Technical Data

Power Output@40hm:	8x25WRMS (@ 10% Thd)
Minimum Load Per Channel:	20hm
Frequency Response:	10Hz>20KHz
Number Of Mixing Channels:	10
Number of EQ Bands:	31
Time Alignment Range:	0>25Ms
EQ Boost:	±6dB
Crossover Slope Range:	6>48dB/Oct
Input Type:	Balanced
Link L&R:	Yes
Bluetooth Firmware Version:	BT 5.0
Noise Gate:	-60>-120dB
Phase Control:	Switchable +/-
Operating Ambient Temperature:	-20~70 C
Signal To Noise Ratio :	>90db
Input Signal:	8 high level, 2 low level, USB play, HD 5.0 bluetooth (Do not connect the tuning bluetooth in the bluetooth setting of the mobile phone - will cause bluetooth connection failure)
Output Signal:	8 high level, 10 low level
Output Signal Equalizer:	31 band EQ, Frequency range: 20Hz-20KHz, Q value: 0.3-50, Gain:-15.0dB-+15.0dB
Output Signal Divider:	8 channel with Butterworth, Bessel & Linkwitz elbow shapes
Filter Frequency Division point:	Crossover:20Hz-20KHz. Slope [db/oct] 12,24,36,48 dB/Oct

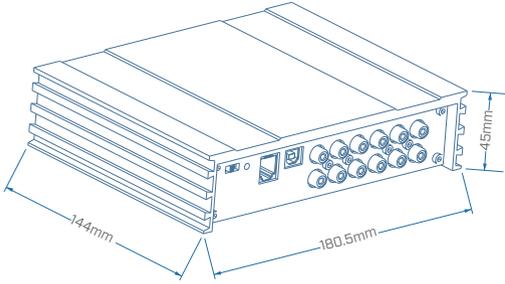
Output Phase And Delay :

Positive/reverse phase:(0°-180°) Delay:
0.000-6ms (0-204cm/0-80.3inch)

Scene Operation:

6 preset music scenes

3. Technical & Cautions



Total Height:	45mm
Total Length:	180mm
Total Depth:	144mm
Approx Weight	2.40kg

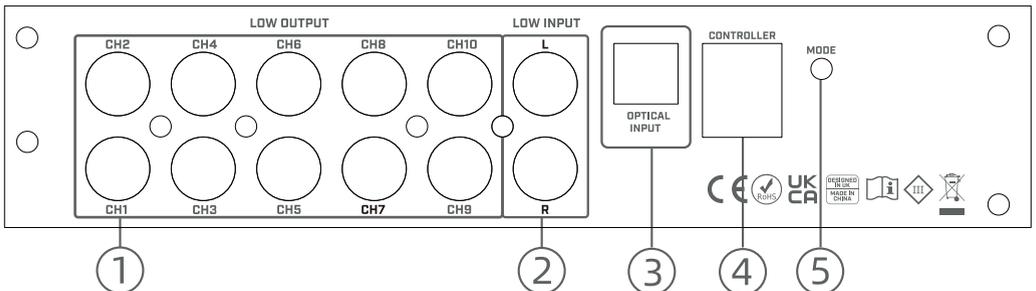


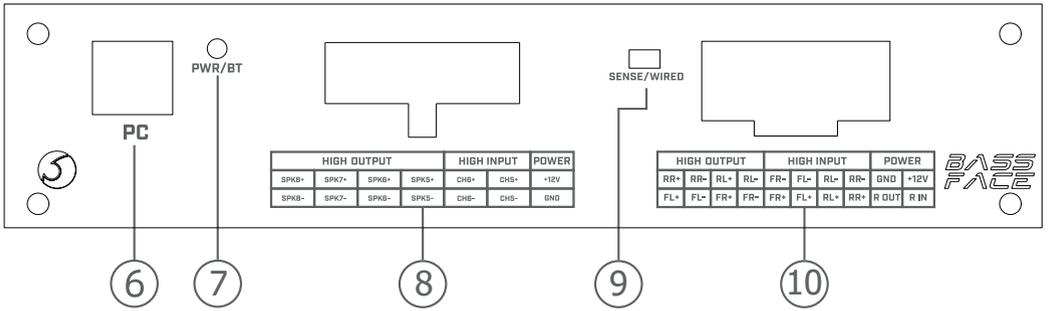
DSP must not be subjected to moisture or excess humidity. No user serviceable parts. Unit case will become hot during use. Do not hot box. Do not touch during operation.

4.Team Tips

- Be clear in the first instance what your goals are before you begin your installation. The DSP offers an enormous range of options which would have different cabling and amplification needs depending on your choices. Spending some time planning will definitely be of benefit.
- Ensure the DSP is connected to a solid, high quality ground point that is separate from the vehicle systems. The DSP has to bring together and compensate for potentially many signal ground variations and it needs a stable power supply as reference.
- Do not allow unused uninsulated cables in the Molex connectors to touch each other, as this will cause potentially serious damage to the circuits.
- It is very important when adding additional processing that the system is correctly set in terms of gain/level matching. Use the highest outputs possible without clipping from source unit into the DSP, and then the highest output possible from the DSP (again without clipping) to the amplifiers, which should be gained as little as possible to achieve their optimum performance. When incorporating flexibility for different media into the gain structure we recommend a recording be used that was recorded at the desired level of headroom.

5. Connections & Layout





- 1) CH1-CH10 low level output interface.
- 2) 2CH low input.
- 3) Optical signal input.
- 4) Control panel interface.
- 5) Built-in sound switching.
- 6) PC tuning interface.
- 7) Power indicator & bluetooth working signal light.
- 8) 5CH, 6CH, 7CH, 8CH high level output & 5CH, 6CH high level input & power input.
- 9) The DSP sound effect switch.
- 10) 4CH high level input & 4CH high level output & power socket.

6. Introduction To PC Software

Hardware & software requirements:

Screen resolution greater than 1280*768, Windows OS(GENUINE SYSTEM)

The screenshot shows the BassFace PC software interface with the following components and their functions:

- 2**: Option menu
- 1**: Main source HiLevel
- 3**: Mix source OFF
- 5**: Master Vol 0.0
- 4**: Control panel interface
- 6**: Delay 0.00
- 7**: Mid Boost 0dB
- 8**: Preset Load
- 9**: HPF Fc: 22000 Hz
- 10**: Noise Gate -120dB
- 11**: EQ Reset

- 1) Source selection.
- 2) Language selection, restore to factory settings & firmware upgrade.
- 3) Source mixing.
- 4) EQ main function window.
- 5) Master volume level.
- 6) Time alignment window, CH1-CH10.
- 7) Tone controls.
- 8) Preset controls.
- 9) Crossover settings window.
- 10) Noise gate controls.
- 11) EQ mode settings.

7.Common Fault Solutions

Common Troubleshooting:

Resetting to factory settings after powering down the unit can sometimes help to remedy software and connection problems.

If there is no sound, check to ensure that mute is not activated.

Audio source priority is: USB, Bluetooth, then original car source.

If USB software connection fails please check that the computer is recognising the cable connection with a chime sound.

8.Download the App

“Bassface DSP is sold as a standalone unit that can be controlled by the PC software. These apps are created and maintained by a third party, over which Bassface has no control. We therefore take no responsibility for the publisher of these applications removing the apps from the relevant store, or for the evolution of technology rendering them incompatible with the latest devices. We recommend downloading the PC application and keeping it safely backed up for future use.



IOS APP



Android OS App



Windows OS App



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