

# OWNER'S MANUAL

Please Read This Manual Before  
Installation and Using Amplifier

The logo for aWave, featuring the word "aWave" in a stylized, lowercase font with a white outline and a drop shadow effect. The logo is centered within a rounded rectangular frame that also has a white outline and drop shadow.

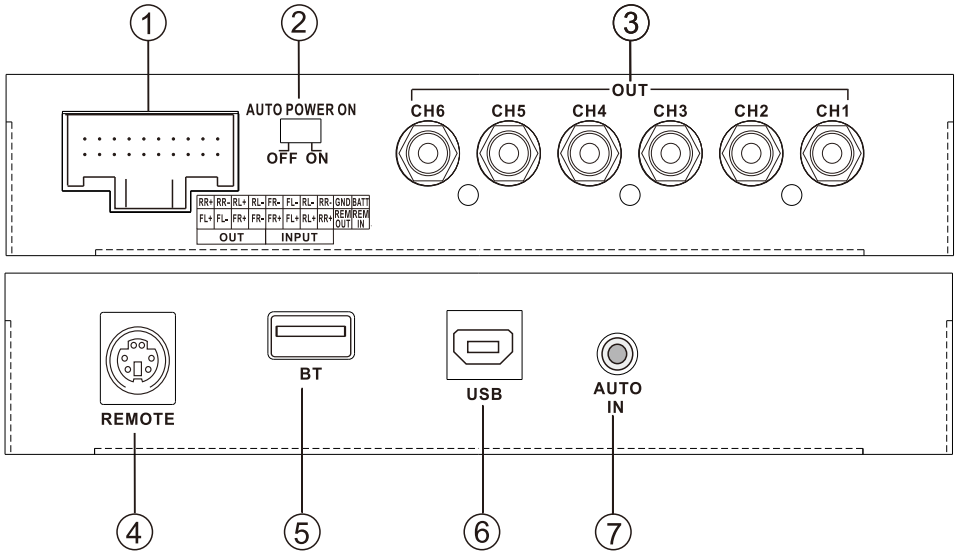
**aWave**

**DSP3546A**

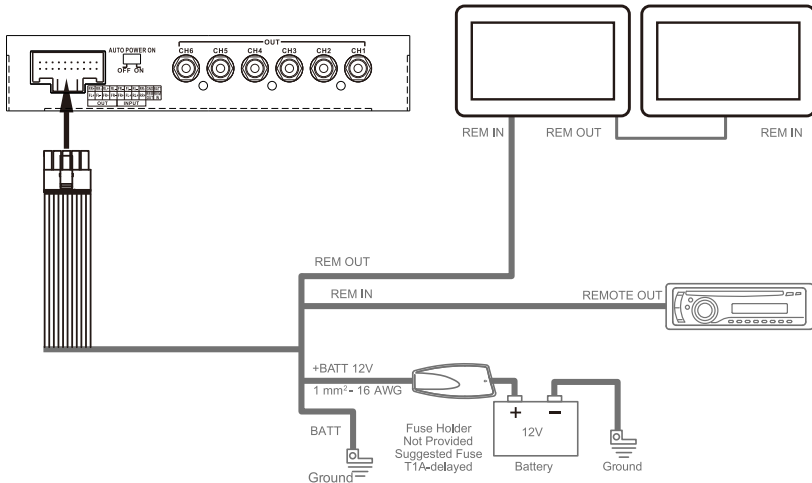
DIGITAL SIGNAL PROCESSING



# 1.PANEL CONTROLS AND FEATURES



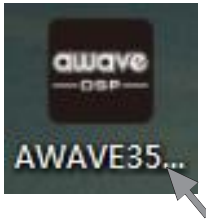
1. High level / output / power supply
2. Auto turn on/off switch
3. Low level output
4. Jack for bass remote
5. BT connector (Awaive 5.0 HD Bluetooth only)
6. USB connector
7. Auto tuning microphone input (only Awaive microphone)



**Note:** There is no fuse inside the DSP.  
It is recommended to use an external fuse.

# 2.GUI OPERATION INSTRUCTION

1. Double click the DSP icon



2. Welcome the GUI that you have been long-expected! Now you can skillfully debug every tone to enjoy the perfect sound quality..



- 1. Crossover:HP/LP
- 2. The graphic of the crossover and EQ
- 3. Main volume setting
- 4. Volume and channel setting
- 5. Delay setting
- 6. EQ adjustment area

3.Auto tuning interface (click Advanced → Auto Tuning)



### 3. PARAMETERS

#### POWER SUPPLY

Voltage	11 - 15 VDC
Idling current	0,4 A
Switched off without DRC	2,5 mA
Switched off with DRC	4 mA
Remote IN voltage	7 - 15 VDC (1.3 mA)
Remote OUT voltage	12 VDC (130 mA)

#### POWER OUTPUT

Effective power	4 X 35W
Peak power	4 X 80W

#### SIGNAL STAGE

Distortion - THD @ 1kHz, 1V RMS Output	0,005 %
Bandwith @ -3 dB	10 - 22k Hz
Master Input	95 dBA
Channel Separation @ 1 kHz	88 dB
Input Sensitivity (High level)	2 - 15 V RMS
Max Output Level (RMS) @ 0.1% THD	4 V RMS

#### INPUT STAGE

High Level (Speaker)	FR- FR+ FL- FL+ RL- RL+ RR- RR+
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#### OUTPUT STAGE

Low level	CH1 CH2 CH3 CH4 CH5 CH6
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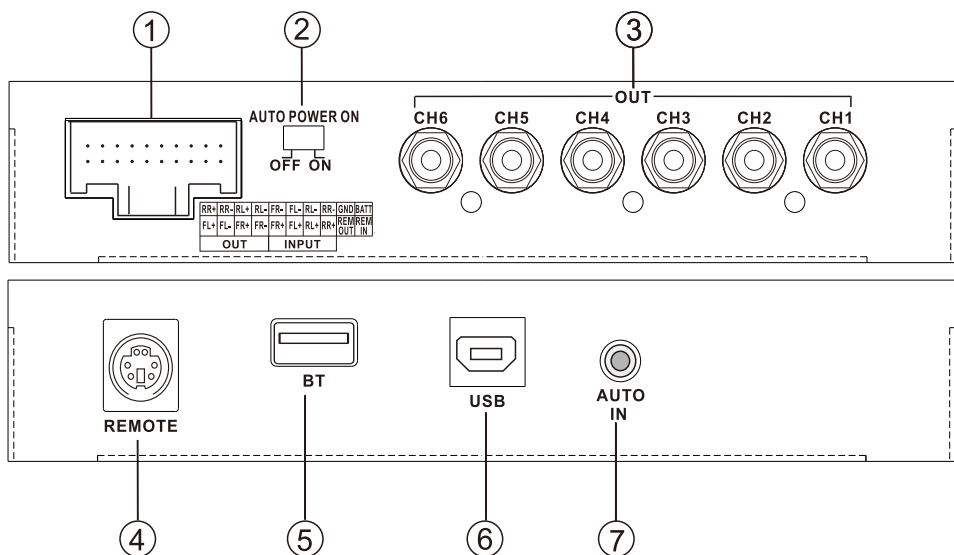
#### CONNECTION

From / To Personal Computer	1 x USB / B (1.1/2.0) 5M
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#### CROSSOVER N.5 (each output channel)

Filter Type	Full / High Pass / Low Pass / Band Pass
Slope Setting	6 / 12 / 18 / 24 / 30 / 36 / 42 / 48 dB
Crossover frequency	68 steps @ 10 - 20k Hz
Phase control independently set to each channel	0° - 180°
Time delay independently set to each channel	0 - 15 MS

# 1. 面板控件和功能



1. 高电平/输出/电源

2. 自动开关机控制开关

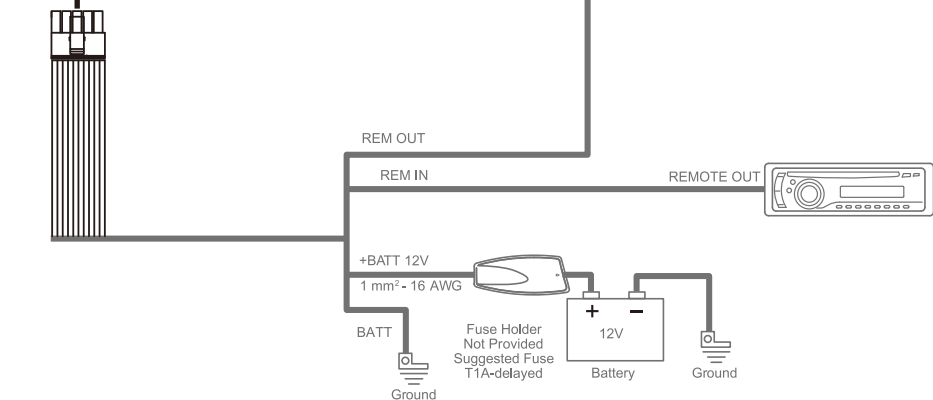
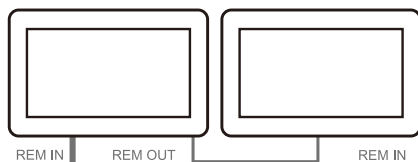
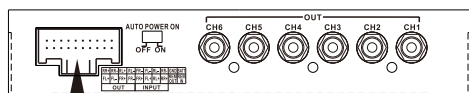
3. 低电平输出

4. 线控低音音量控制端口

5. 蓝牙接口(仅适用Awave 5.0 HD蓝牙)

6. 数据线接口

7. 自动调音咪输入(仅适用Awave专用咪)



注意：DSP内部无保险，建议采用外置保险装置。

## 2.GUI操作安装

### 1.双击DSP图标



### 2.迎来你期待已久的GUI现在你可以熟练地调试每一个音调细节来享受最完美音质.



1.分频器:高通/低通

2.分频和EQ图示区

3.主音量设置

4.音量和声道设置

5.延迟时间设置

6.EQ调节区

### 3.自动调音界面（点击高级→智能调音）



### 3.参数

#### 电源供应

电压	11 - 15 VDC
电流负载	0,4 A
关闭机器(无需线控情况下)	2,5 mA
关闭机器(需线控情况下)	4 mA
线控输入电压	7 - 15 VDC (1,3 mA)
线控输出电压	12 VDC (130 mA)

#### 功率输出

有效功率	4 X 35W
峰值功率	4 X 80W

#### 信号阶段

失真-THD@1kHz, 1V RMS 输出	0,005 %
频宽@-3dB	10 - 22k Hz
主要输入	95 dBA
声道分离@1kHz	88 dB
输入灵敏度(高电平)	2 - 15 V RMS
最大输出电平 (RMS) @0.1%THD	4 V RMS

#### 输入阶段

高电平 (Speaker)	FR- FR+ FL- FL+ RL- RL+ RR- RR+
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#### 输出阶段

低电平	CH1 CH2 CH3 CH4 CH5 CH6
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#### 连接

连接个人电脑	1 x USB / B (1.1/2.0) 5M
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#### 转换 (每个声道输出)

滤波器类型	Full / High Pass / Low Pass / Band Pass
倾斜设置	6 / 12 / 18 / 24 / 30 / 36 / 42 / 48 dB
分频率	68 steps @ 10 - 20k Hz
相位控制, 独立设定于每个声道	0° - 180°
时间延迟, 独立设定于每个声道	0 - 15 MS