PXE-X800

12-sound track high quality audio processor

Bluetooth® | 9 BAND Parametric EQ | CROSSOVER | TCR TIME CORRECTION | NAVI MIX | Optical

- For users of iPhone, please search the tone-tuning APP for PXE-X800 in APP Store, download and install it; for users of Android phone, please scan the QR code on the right to download and install the APP.
- The wired controller sold separately may also be used to control the device in a simple way.

Tone-tuning APP

Table of Contents

Operating instructions

Types of precautions

Forbid	Represents forbidden actions (must not do).
Forbid	Represents that dismounting is forbidden
Compulsory	Represents compulsory operations (must do).
	Represents that you should pay close attention to it.

Warning

In case of problems, please stop using the device immediately.

Otherwise, it may result in personal injury or damaged product. Please return the product to the authorized Alpine dealer or nearby Alpine service center for repair.

The product is only suitable for the 12V negative-grounded vehicles.

Otherwise, it may lead to an accident like fire, etc.

Please call the professionals to wire and install.

It needs professional expertise and experiences to wire and install the product. For safety, please contact the dealer from whom you bought the product to install it.

Please do not disassemble or re-fit.

Otherwise, it may result in an accident, fire or electric shock.

Small items like bolts or screws should be kept out of the reach of child.

If ingested, it may result in severe injury. Once ingested, please seek medical attention immediately.

Please do not use any function that may distract you when driving.

Any function that may influence your attention should be used only when the vehicle is stopped completely. To use these functions, please first stop your vehicle in a safe area. Otherwise, it may result in an accident.

When driving, you must maintain the volume at a level such that the noise outside can still be heard.

It is very dangerous not to clearly hear an emergency vehicle alarm and road warning signal (such as railway crossing) and may result in an accident. Moreover, a too loud volume may damage your hearing.

Caution

Product cleaning

Please clean the product regularly with a dry soft cloth. For any dirt difficult to clean, only water can be used to soak the cloth. Any other solvents may lead to dissolution.

Temperature

Before starting the device, please ensure that the temperature inside the vehicle is between +60°C and -20°C.

Repair

In case of problems, please do not repair by yourself. Please return the product to the authorized Alpine dealer or nearby Alpine service center to repair.

System matching

When using PXE-X800 to distribute signal to DP-653/DP-65C by active frequency division mode, please make sure that the cross-over frequency of the treble is above 1500 Hz to avoid damage to the treble loudspeaker.

Installation site

The device cannot be installed at the following locations:

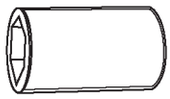
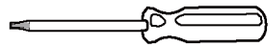
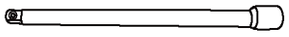
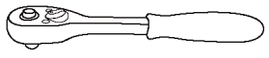
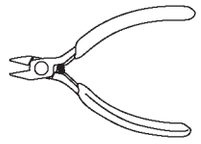
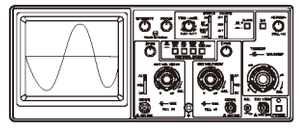
- Under direct sunlight and near a heat source.
- With high humidity and near a water source.
- Dusty sites.
- Environments with violent vibration.

Copyright notice

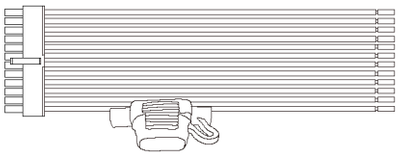
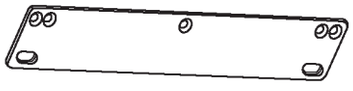
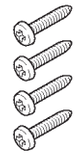
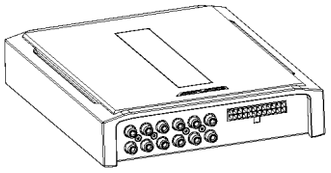
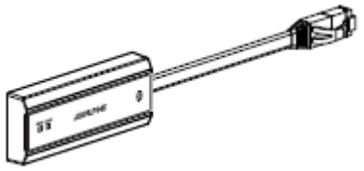
The text mark and logo of Bluetooth® are the registered trademarks held by Bluetooth SIG, Inc. Alpine Electronics has been authorized to use these text mark and logo. Other trademarks and names all belong to their holders.

*The electronic products should be discarded via an appropriate recycling channel to reduce electronic waste pollution.

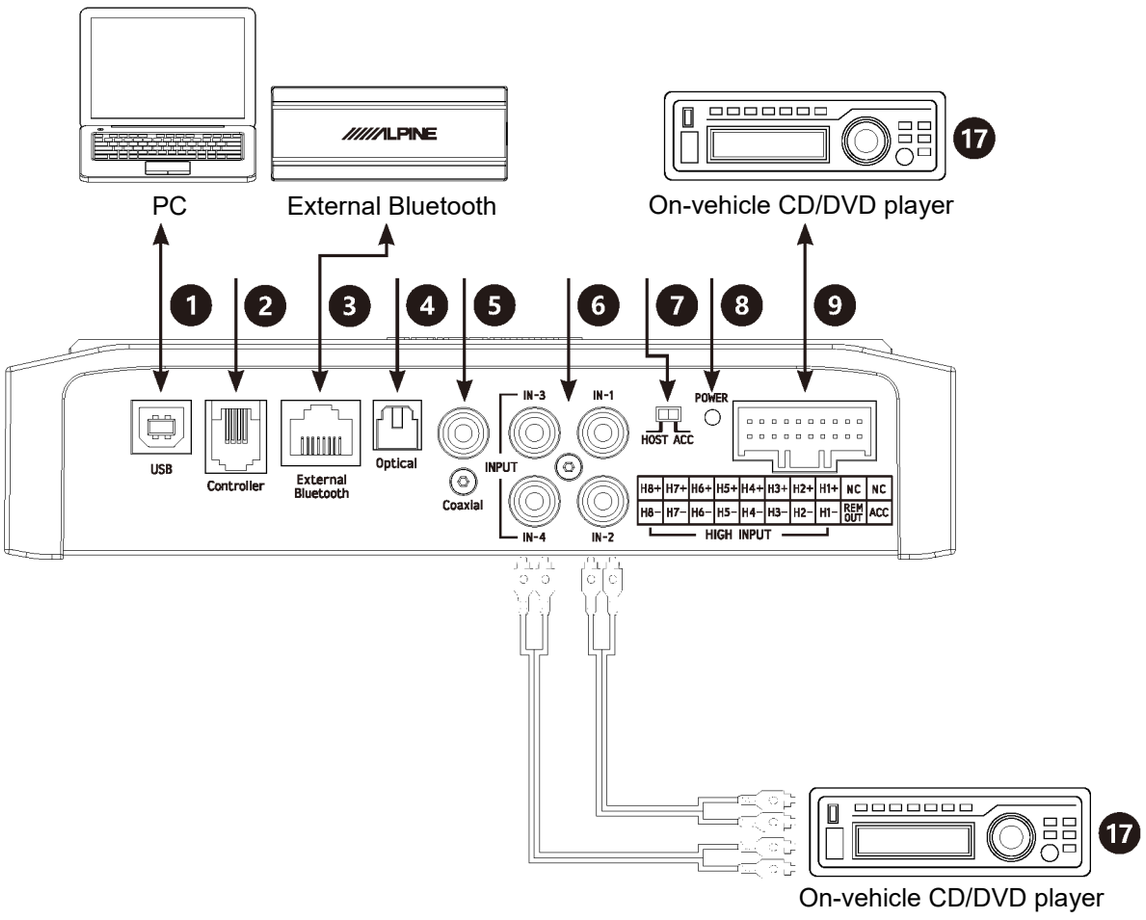
Tools potentially needed (depending on the car)

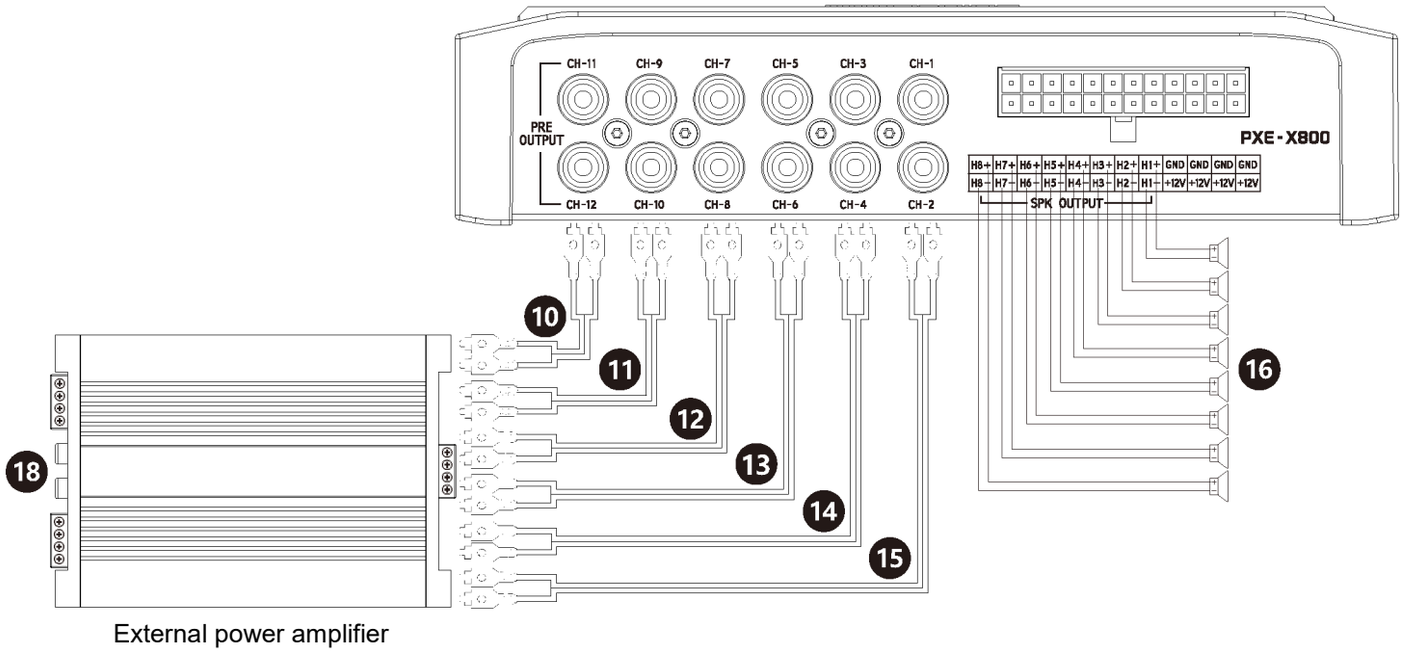
Panel removal tools	Socket	Electric drill	Six-angle screwdriver
			
Cross screwdriver	Socket spanner	Spanner	Wire cutter
			
Wire crimper	Wire stripper	Frequency spectrum analyzer	Oscilloscope
			

Accessory list

2×12P speaker and power cord	2×10P input line	USB 2.0 cable
		
Mounting bracket	Machine screw	Self-tapping screw
		
Main device	Bluetooth	
		

Diagrams of device interfaces

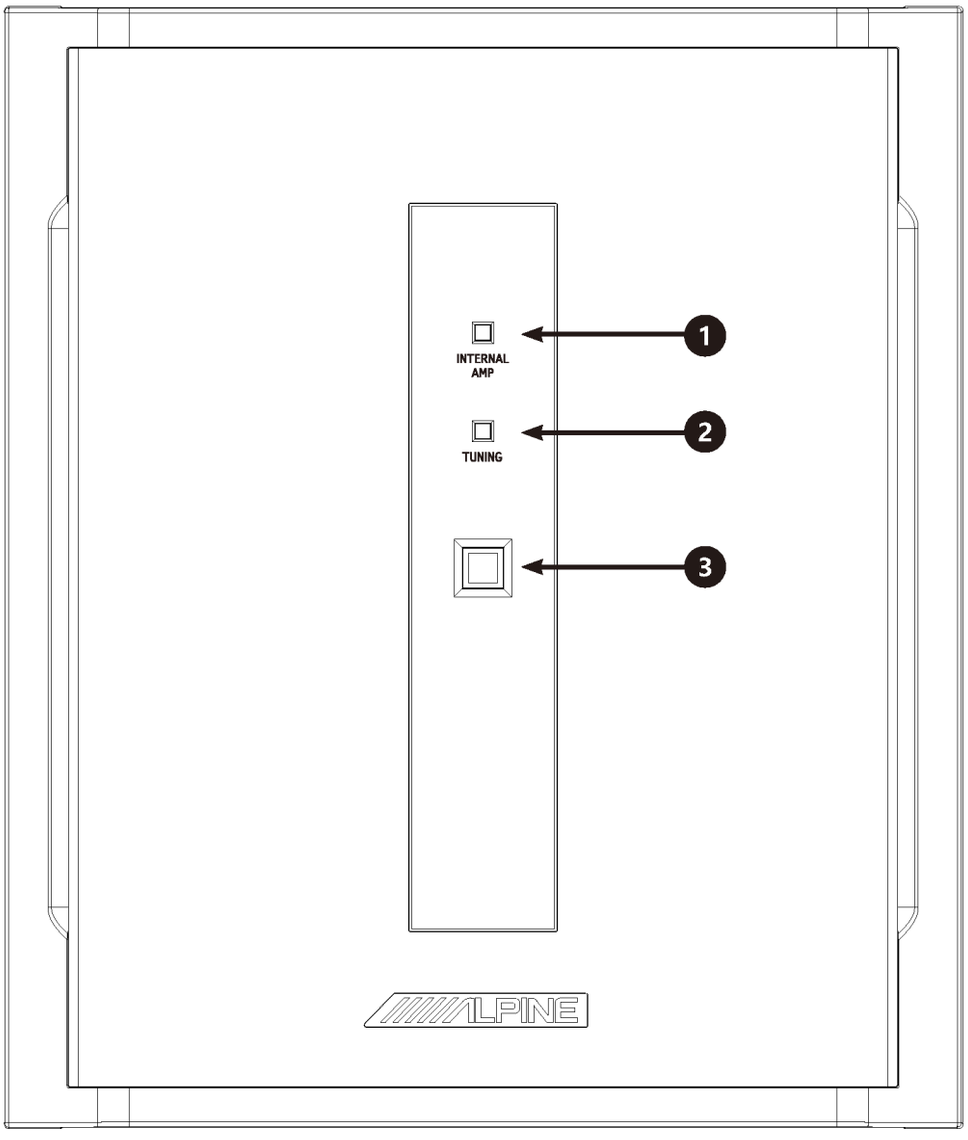




Description of device interfaces and their functions

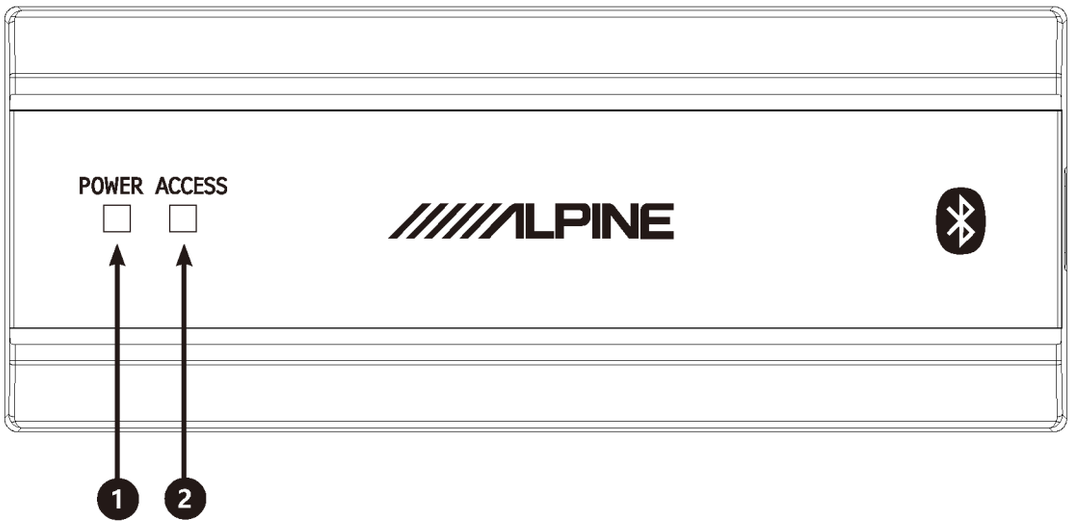
1	USB 2.0 interface	A USB2.0 cable can be used to connect the computer and perform tone tuning and setting in detail.
2	Wired controller interface	System extension interface.
3	External Bluetooth input interface	Select high definition Bluetooth as the input signal or connect to the PXE-X800 tone-tuning application on a mobile phone. After successful connection, the Bluetooth indicator lamp is constantly on.
4	Fiber input interface	Connect the fiber cable of the on-vehicle CD/DVD player and switch the audio source of the device to digital signal input, then it can play a fiber digital signal.
5	Coaxial input interface	Connect the coaxial cable of the on-vehicle CD/DVD player, and switch the audio source of the device to digital signal input, then it can play coaxial digital signals.
6	RCA audio input interface	Two sets of RCA audio signal input which can connect the RCA audio signal output of the on-vehicle CD/DVD player.
7	Input select switch interface	When the switch is put to “ACC,” the device will be started by ACC; if put to “HOST,” the device will be started by the high voltage level input signal H1-/H1+.
8	Power lamp interface	Power lamp.
9	High voltage level input interface	Connect to the high voltage level output of the on-vehicle CD/DVD player.
10~15	RCA audio output interface	Six sets of RCA audio signal outputs which can be connected to the external power amplifier.
16	High voltage level output and power input interface	Power amplifier output of the device connecting the loudspeaker.
17	On-vehicle CD/DVD player	Connect the on-vehicle CD/DVD player.
18	External power amplifier	Connect the external power amplifier.

Description of indicator lamps on the device



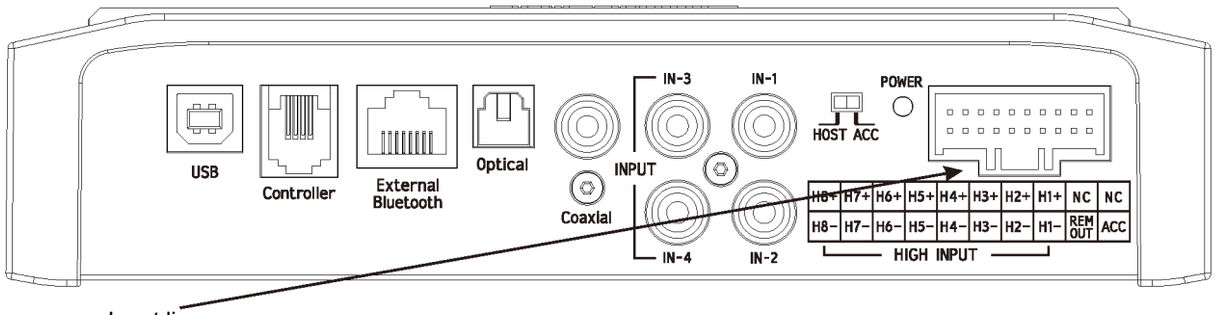
1	Power amplifier AMP switch indicator lamp	When the power amplifier AMP output is turned off or the device is shut down, the indicator lamp is off; When the power amplifier output is turned on, the indicator lamp is constantly on.
2	Software connection indicator lamp	When the PC software or tone-tuning application on mobile phone is connected, the indicator lamp is flashing; When the PC software or tone-tuning application on mobile phone is not connected, the indicator lamp is constantly on; When the device is shut down, the indicator lamp is off.
3	POWER indicator lamp	When the device is turned on, the indicator lamp is constantly on; When the device is shut down, the indicator lamp is off.

Description of Bluetooth indicator lamp

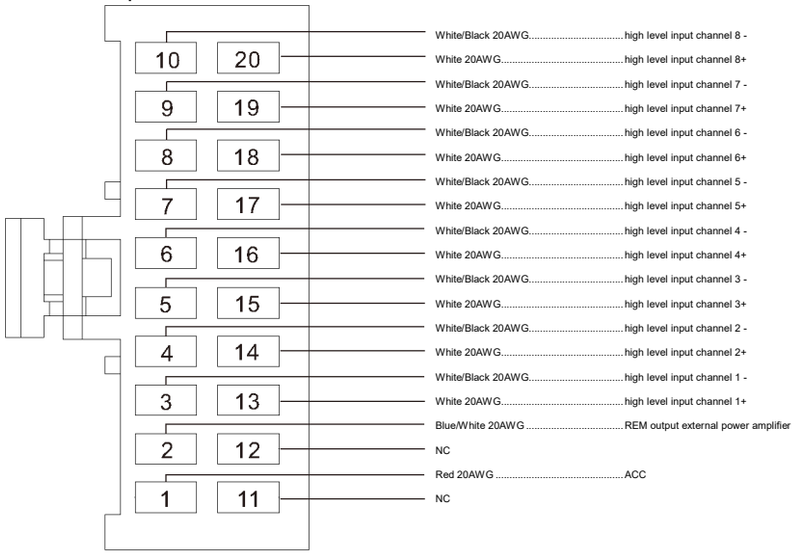


1	POWER indicator lamp	When the external Bluetooth is connected to PXE-X800 normally, when the device is turned on, the indicator lamp is constantly on; When the device is shut down, the indicator lamp is off.
2	ACCESS indicator lamp	When the external Bluetooth is successfully connected for communication, the indicator lamp is constantly on; When it is not successfully connected, the indicator lamp is flashing.

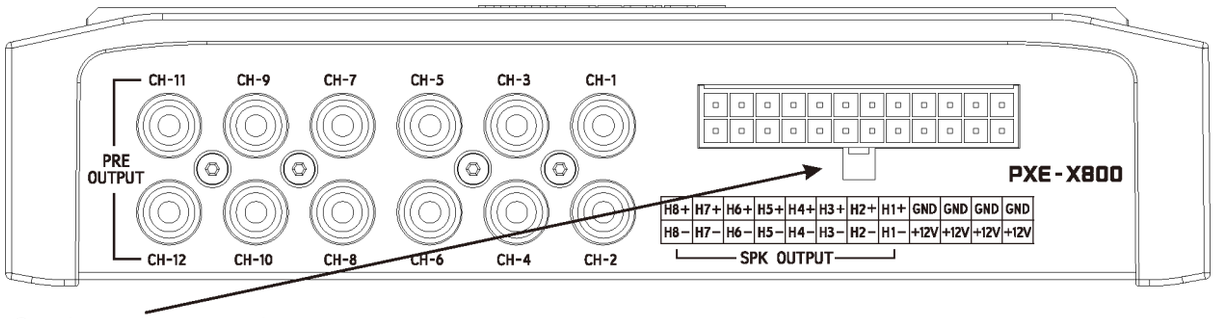
Arrangement of wire pins



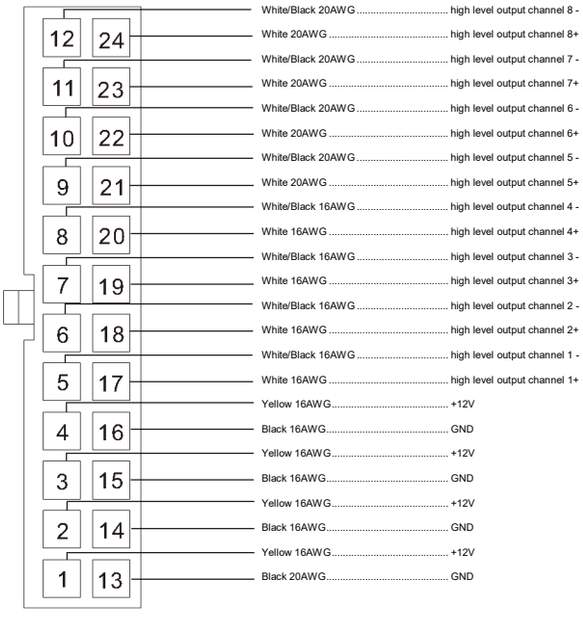
Input line



White/Black 20AWG..... high level input channel 8 -
White 20AWG..... high level input channel 8+
White/Black 20AWG..... high level input channel 7 -
White 20AWG..... high level input channel 7+
White/Black 20AWG..... high level input channel 6 -
White 20AWG..... high level input channel 6+
White/Black 20AWG..... high level input channel 5 -
White 20AWG..... high level input channel 5+
White/Black 20AWG..... high level input channel 4 -
White 20AWG..... high level input channel 4+
White/Black 20AWG..... high level input channel 3 -
White 20AWG..... high level input channel 3+
White/Black 20AWG..... high level input channel 2 -
White 20AWG..... high level input channel 2+
White/Black 20AWG..... high level input channel 1 -
White 20AWG..... high level input channel 1+
Blue/White 20AWG ..... REM output external power amplifier
NC
Red 20AWG ..... ACC
NC



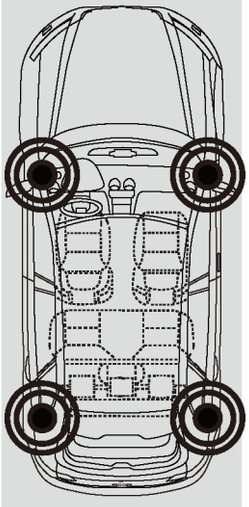
Speaker and power cord



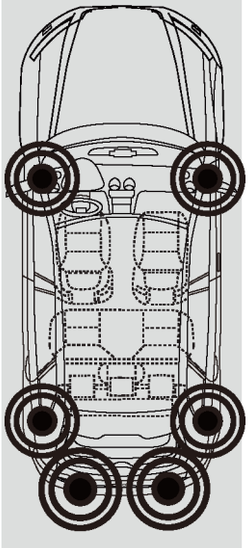
White/Black 20AWG..... high level output channel 8 -
White 20AWG..... high level output channel 8+
White/Black 20AWG..... high level output channel 7 -
White 20AWG..... high level output channel 7+
White/Black 20AWG..... high level output channel 6 -
White 20AWG..... high level output channel 6+
White/Black 20AWG..... high level output channel 5 -
White 20AWG..... high level output channel 5+
White/Black 16AWG..... high level output channel 4 -
White 16AWG..... high level output channel 4+
White/Black 16AWG..... high level output channel 3 -
White 16AWG..... high level output channel 3+
White/Black 16AWG..... high level output channel 2 -
White 16AWG..... high level output channel 2+
White/Black 16AWG..... high level output channel 1 -
White 16AWG..... high level output channel 1+
Yellow 16AWG..... +12V
Black 16AWG..... GND
Yellow 16AWG..... +12V
Black 16AWG..... GND
Yellow 16AWG..... +12V
Black 16AWG..... GND
Yellow 16AWG..... +12V
Black 20AWG..... GND

Package I: 4 channel input / 6 channel output (low level to low level)

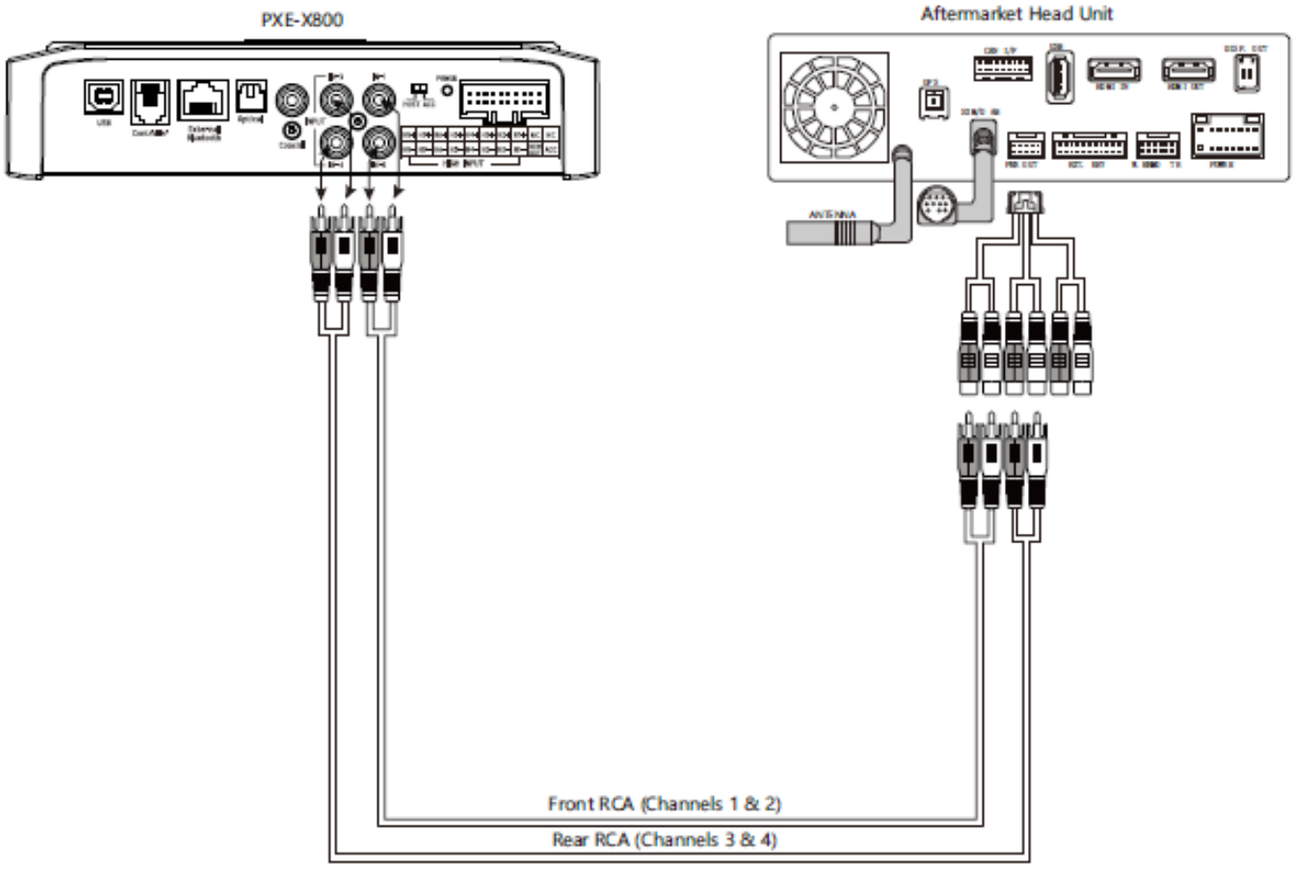
Before

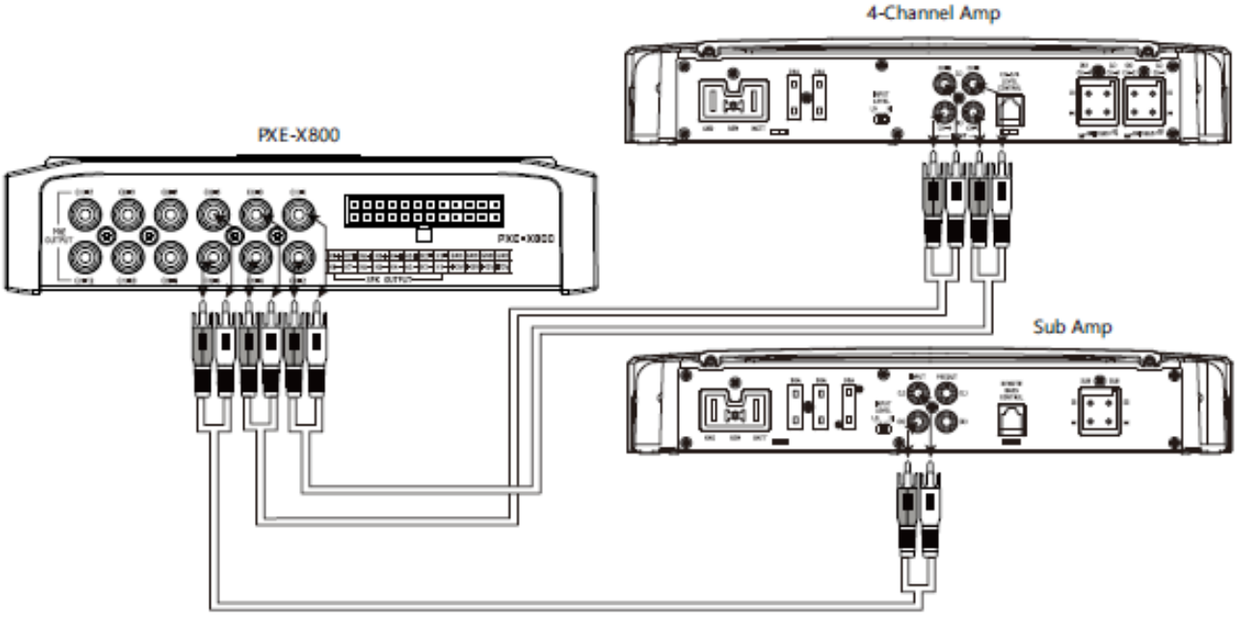


After



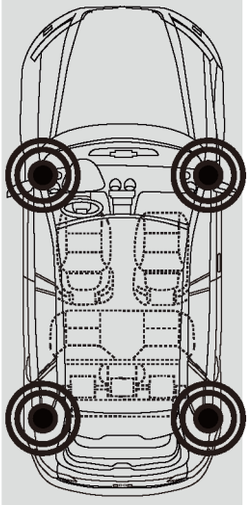
Package I: 4 channel input / 6 channel output (low level to low level)



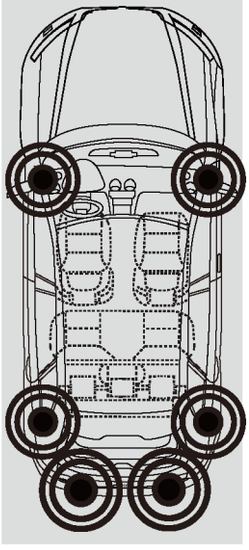


Package II: 4 channel input / 6 channel output (high level to low level)

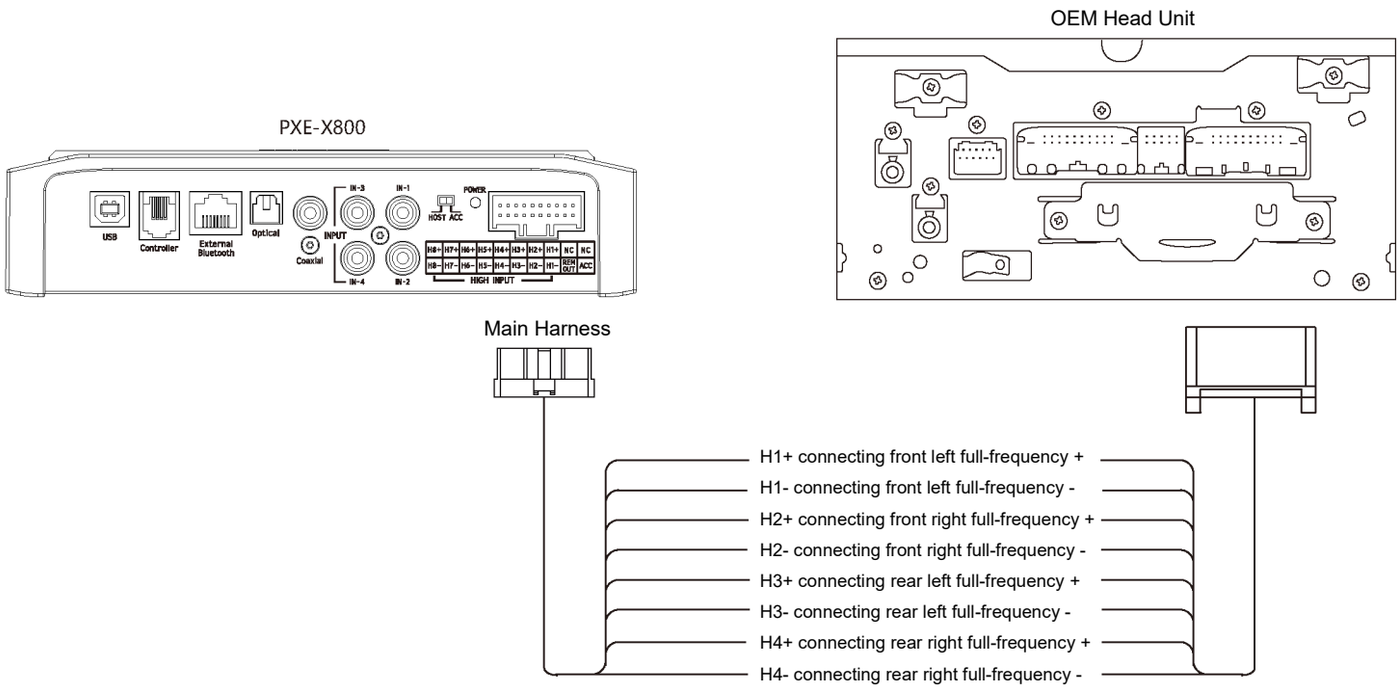
Before

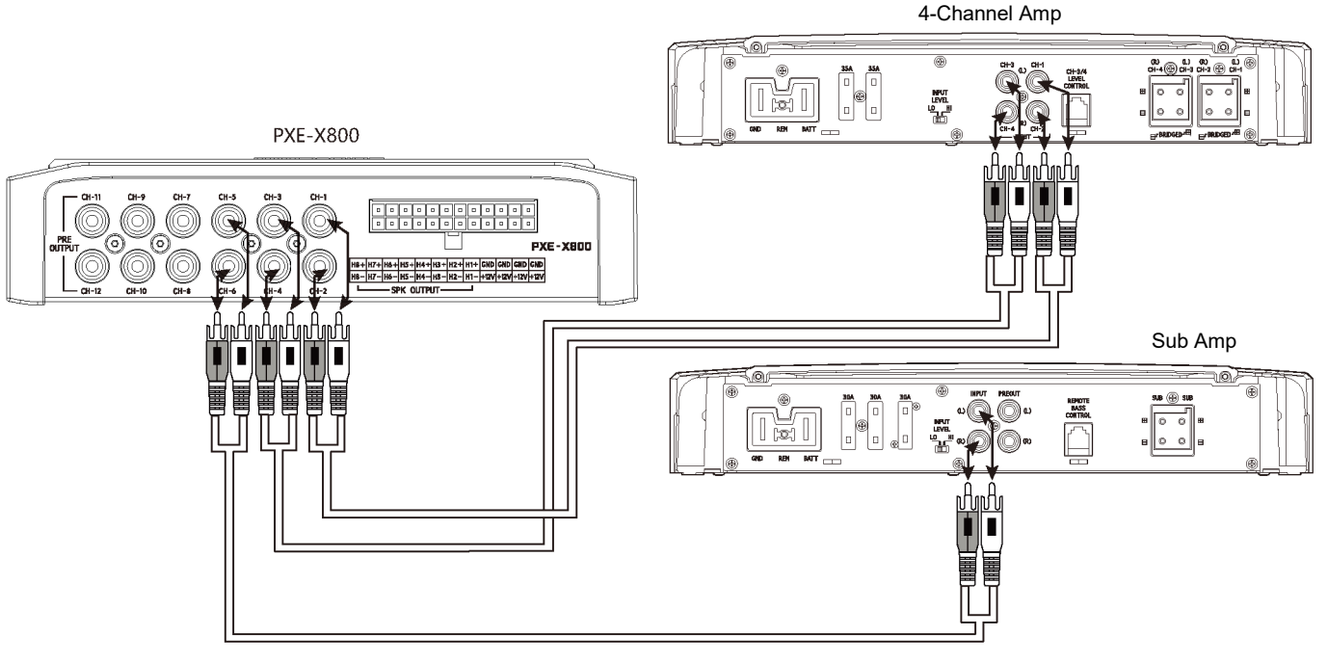


After



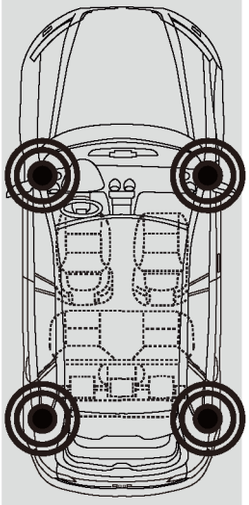
Package II: 4 channel input / 6 channel output (high level to low level)



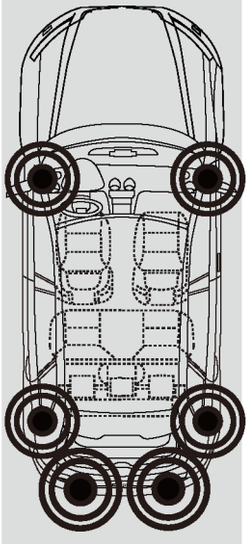


Package III: digital input / 6 channel output

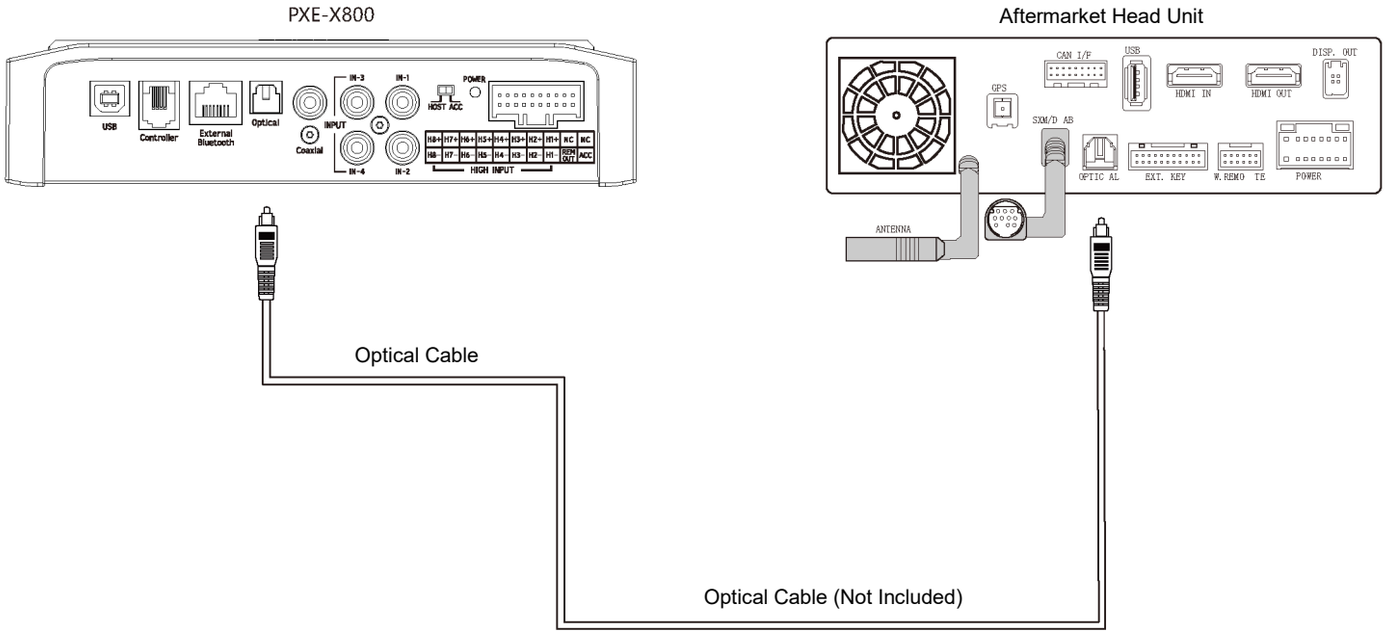
Before

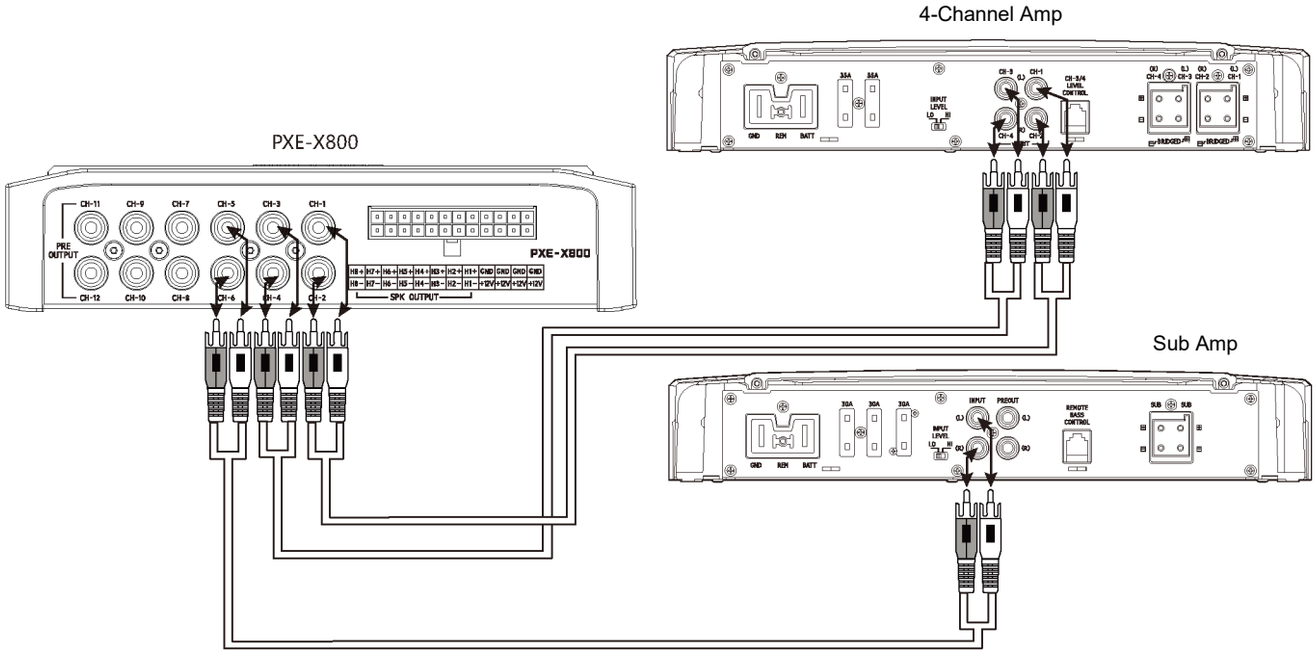


After



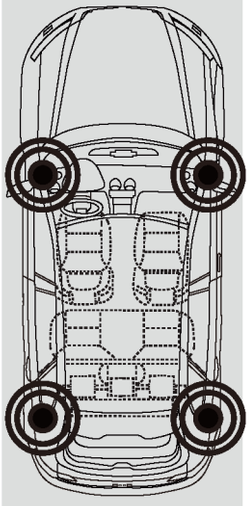
Package III: digital input / 6 channel output



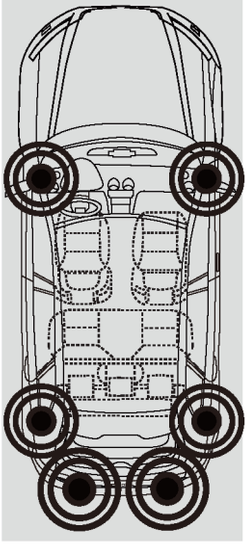


Package IV: 4 channel input / 6 channel output (high level to high level)

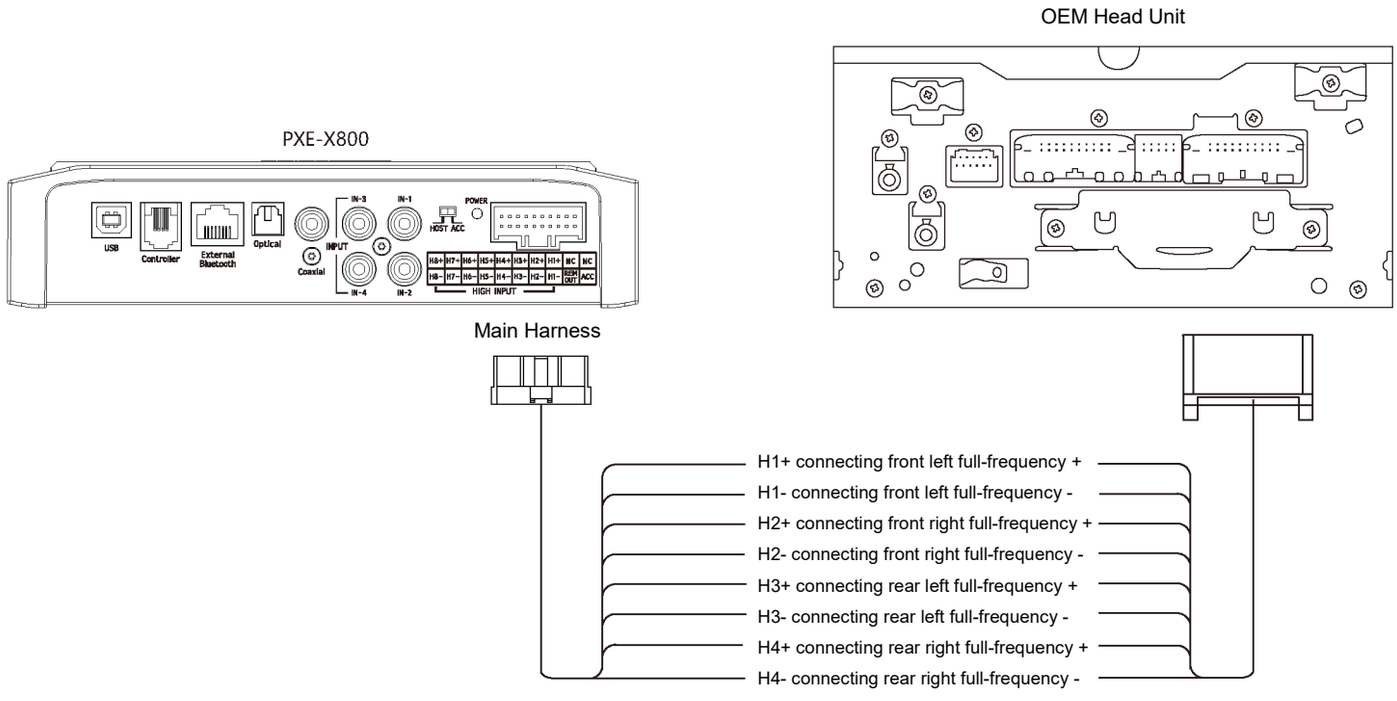
Before

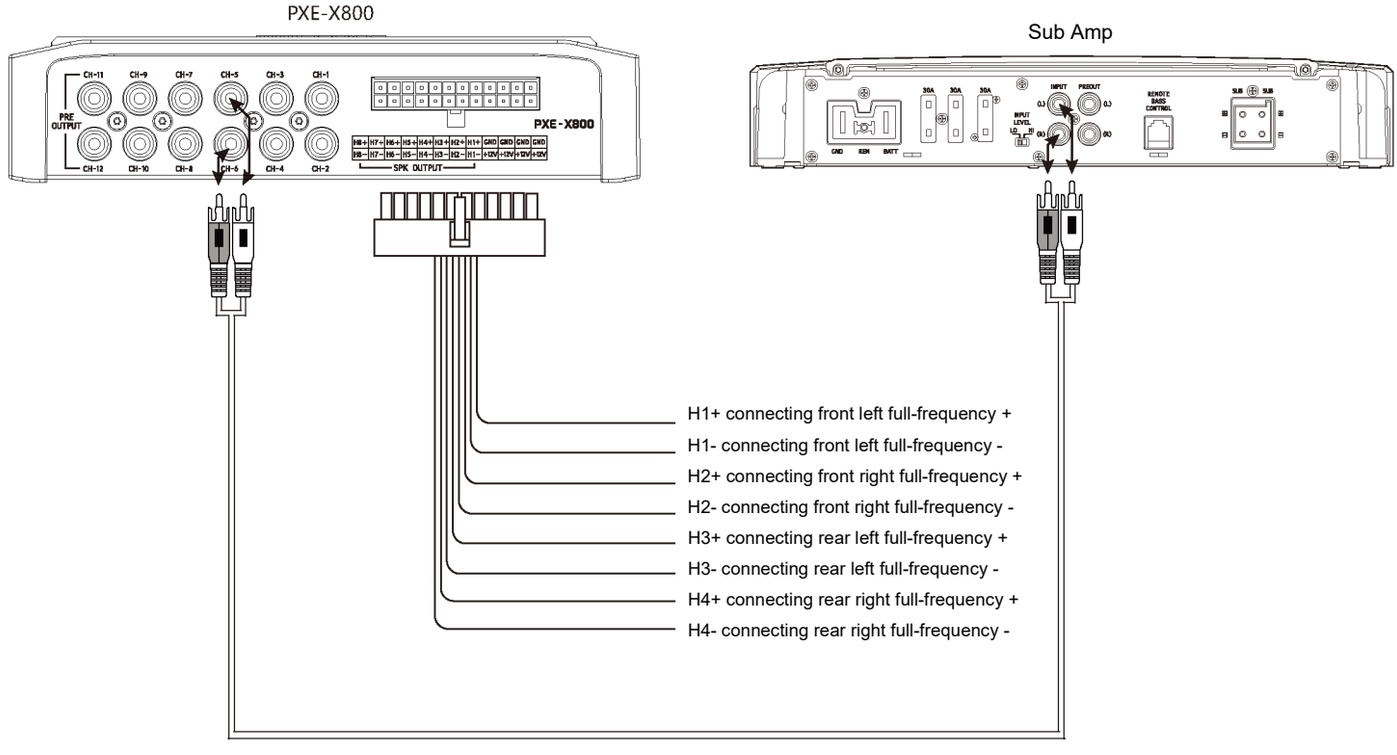


After



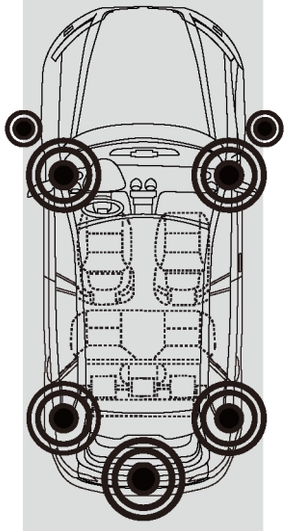
Package IV: 4 channel input / 6 channel output (high level to high level)



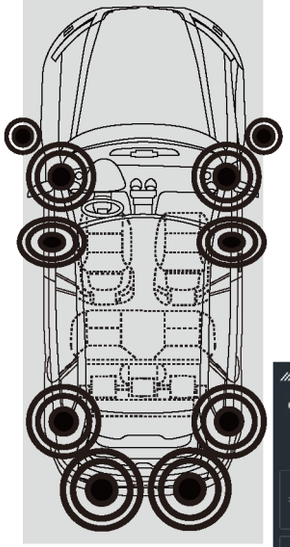


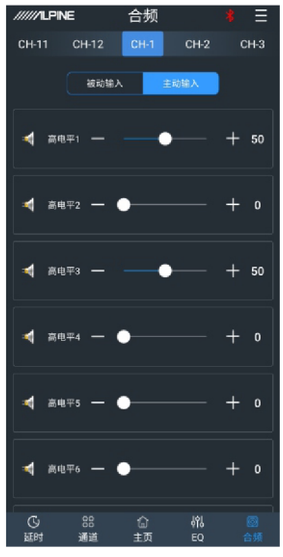
Package V: 7 channel input / 10 channel output (high level to high level)

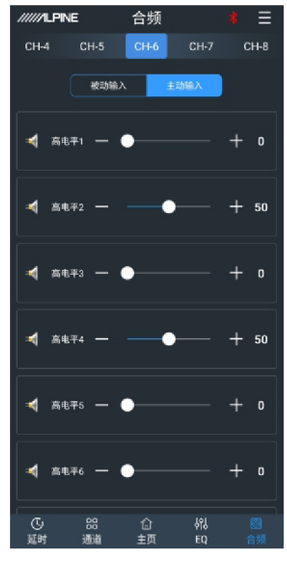
Before

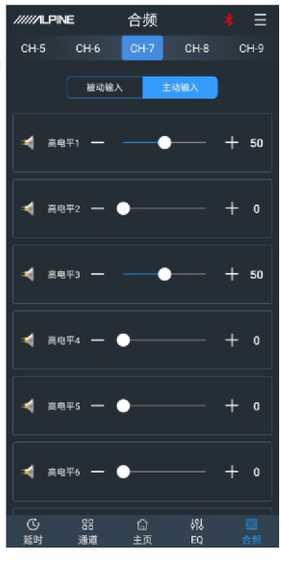


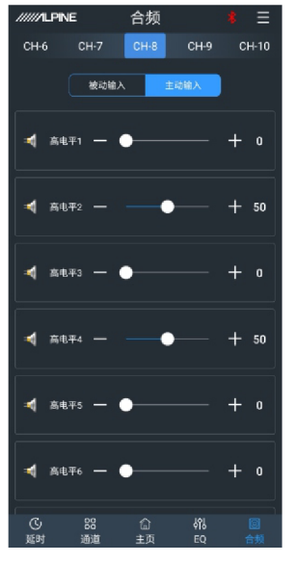
After

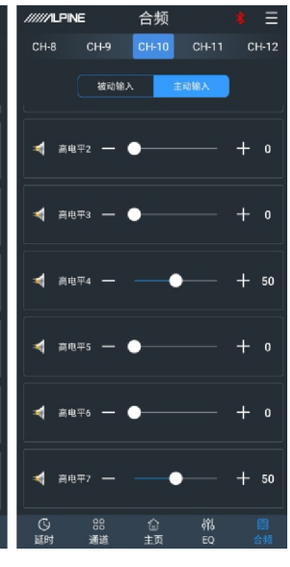




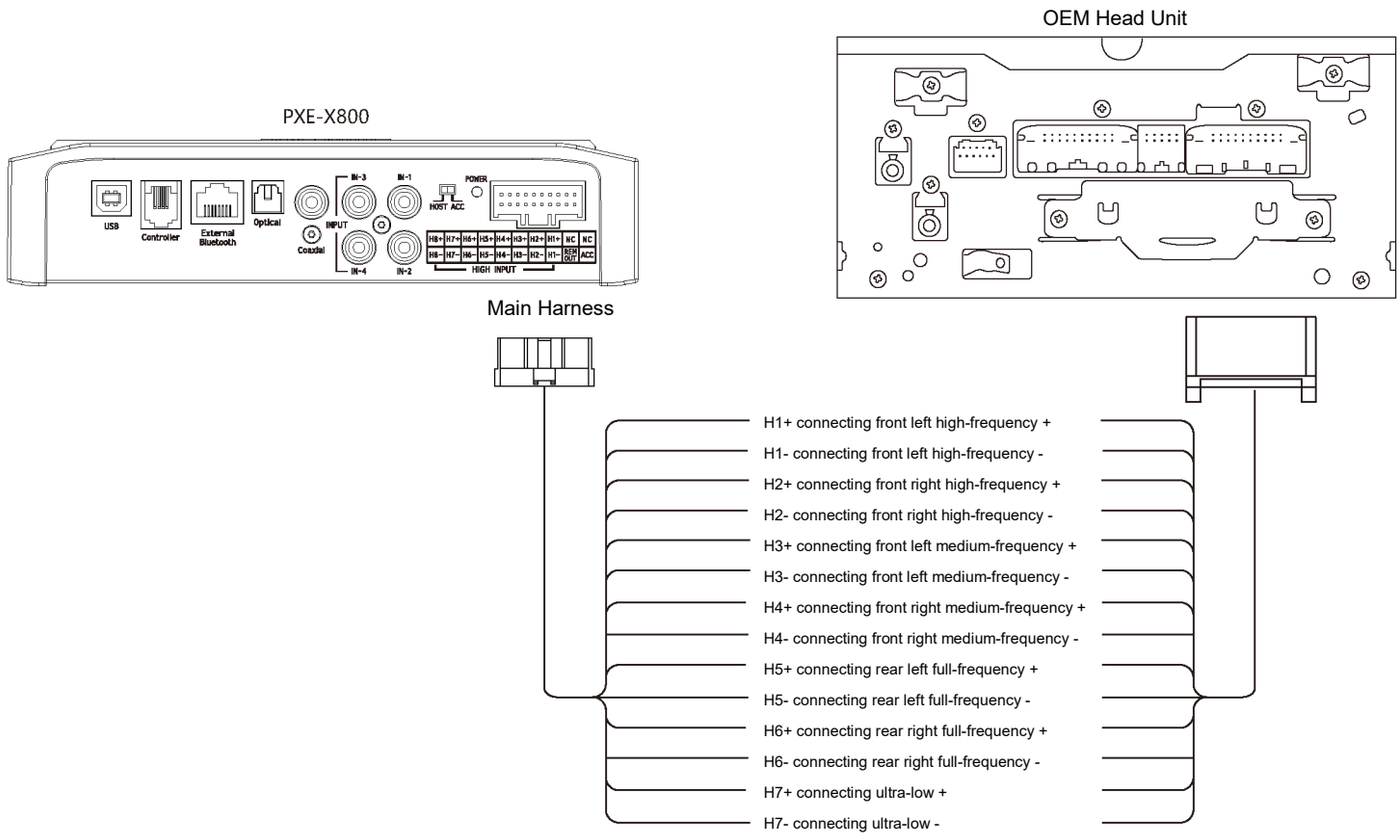


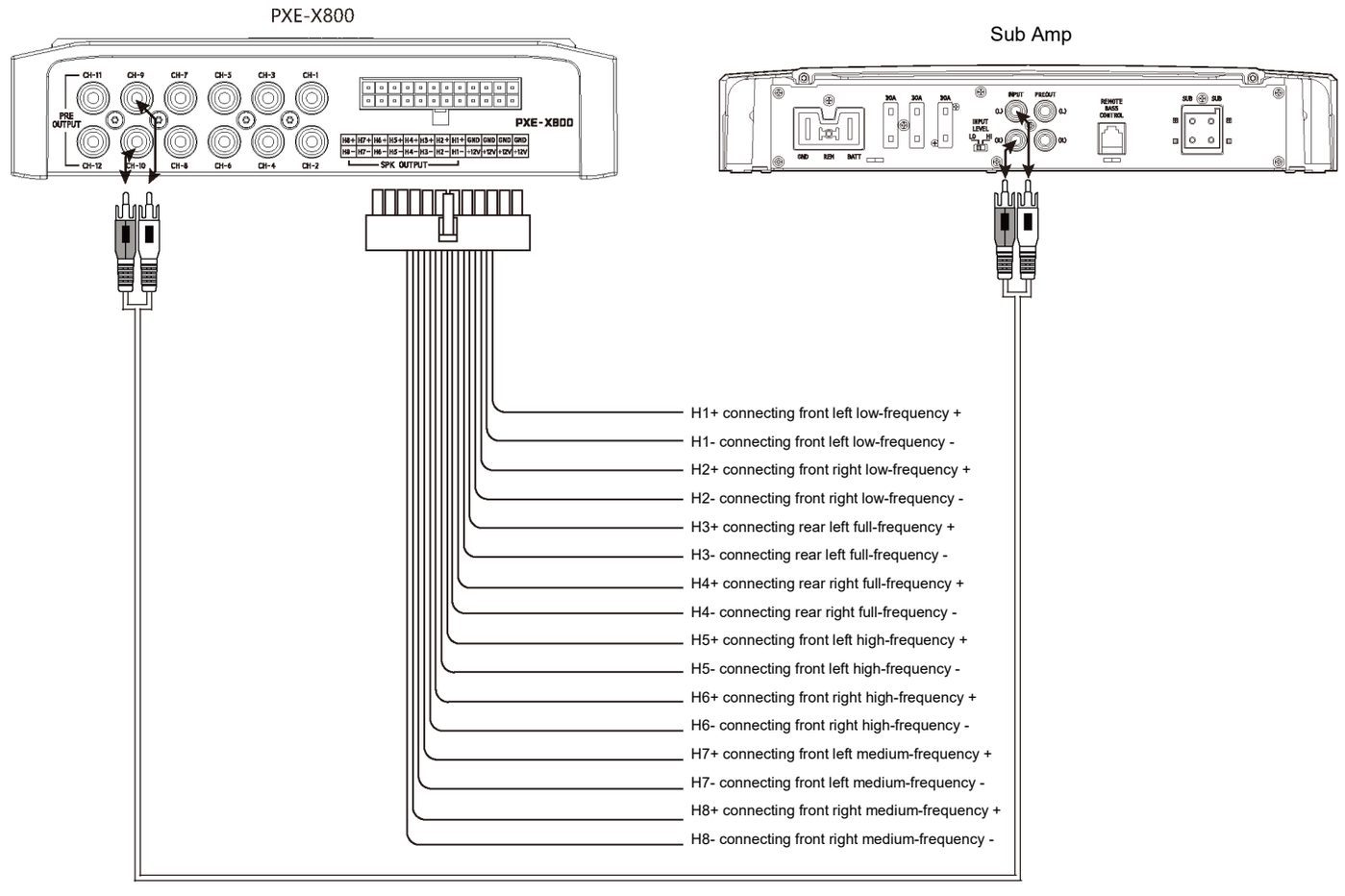




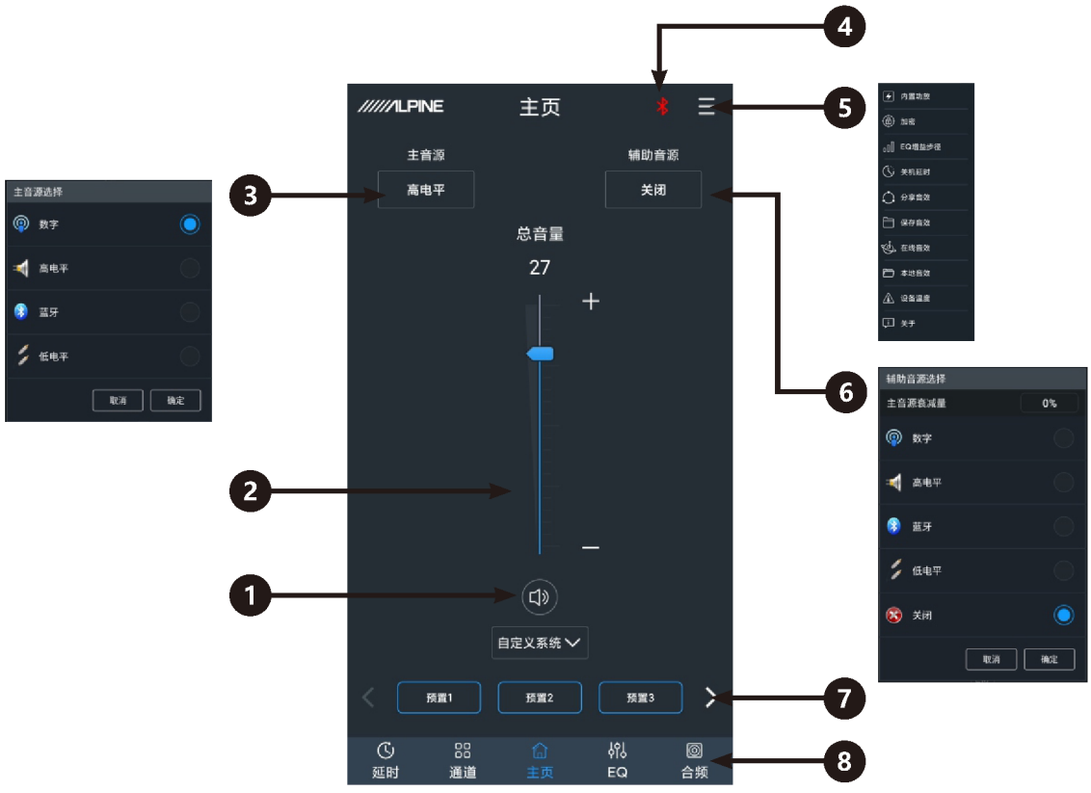


Package V: 7 channel input / 10 channel output (high level to high level)



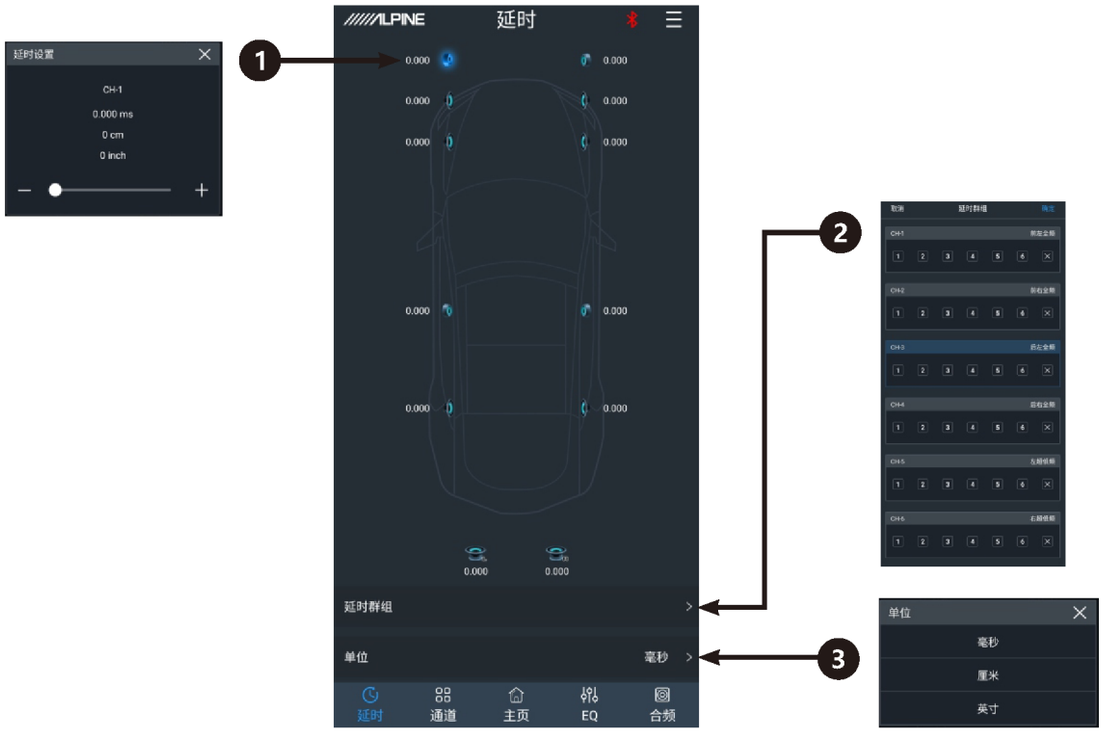


Description of mobile phone APP - Homepage



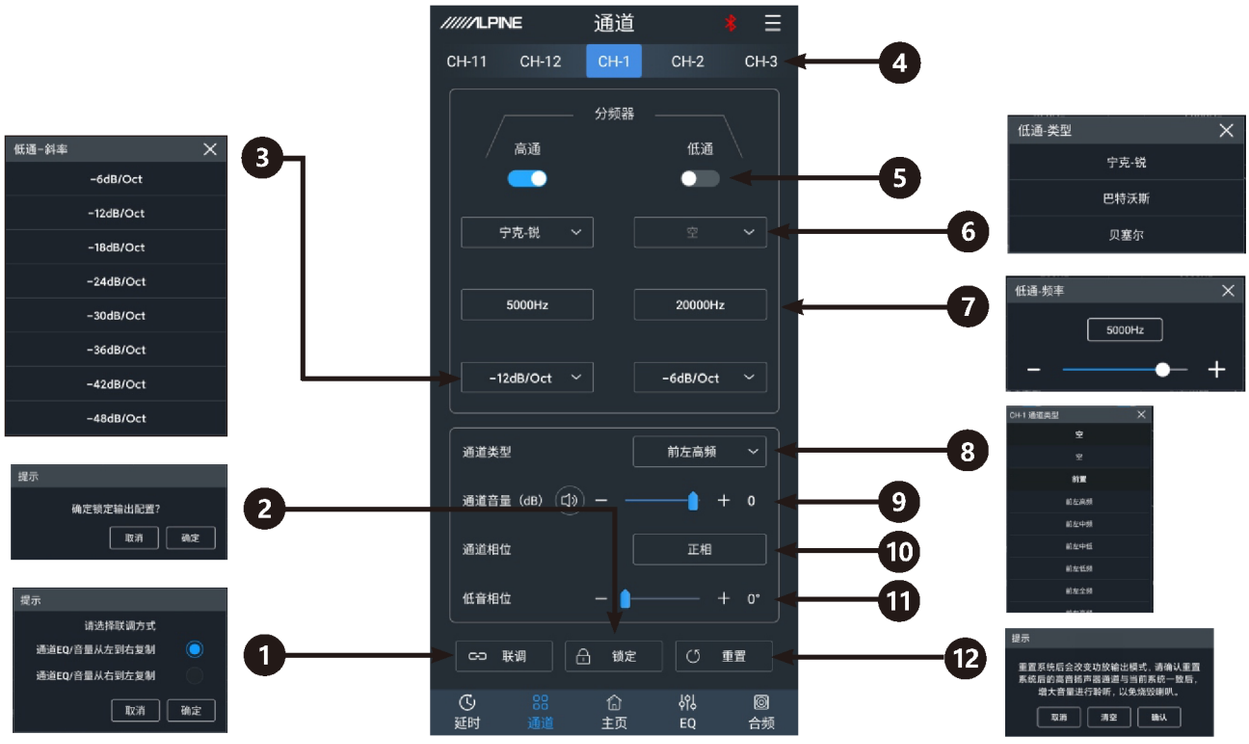
1	Mute button	Master volume set to mute.
2	Master volume	Drag the fader up and down to adjust the volume.
3	Master sound source	Select the master sound source (digital, high level, Bluetooth and low level).
4	Connection indication	When the Bluetooth icon is red, the Bluetooth of the mobile phone is not connected; when it is green, the Bluetooth of the mobile phone is connected.
5	Menu bar	The user can switch built-in power amplifier, encrypt data, set EQ gain step size and shutdown delay, share sound effects, save sound effects, play online and local sound effects and view device temperature and version number.
6	Auxiliary sound source	Select the auxiliary sound source (digital, high level, Bluetooth, low level and off).
7	Pre-set sound effects	Save and call pre-set sound effect settings, slide from left to right to choose from different pre-set sound effects.
8	Interface selection	Five interfaces with different functions are available, Delay, Channel, Homepage, EQ and Combined Frequency and the default one is the Homepage interface.

Description of mobile phone APP - Delay



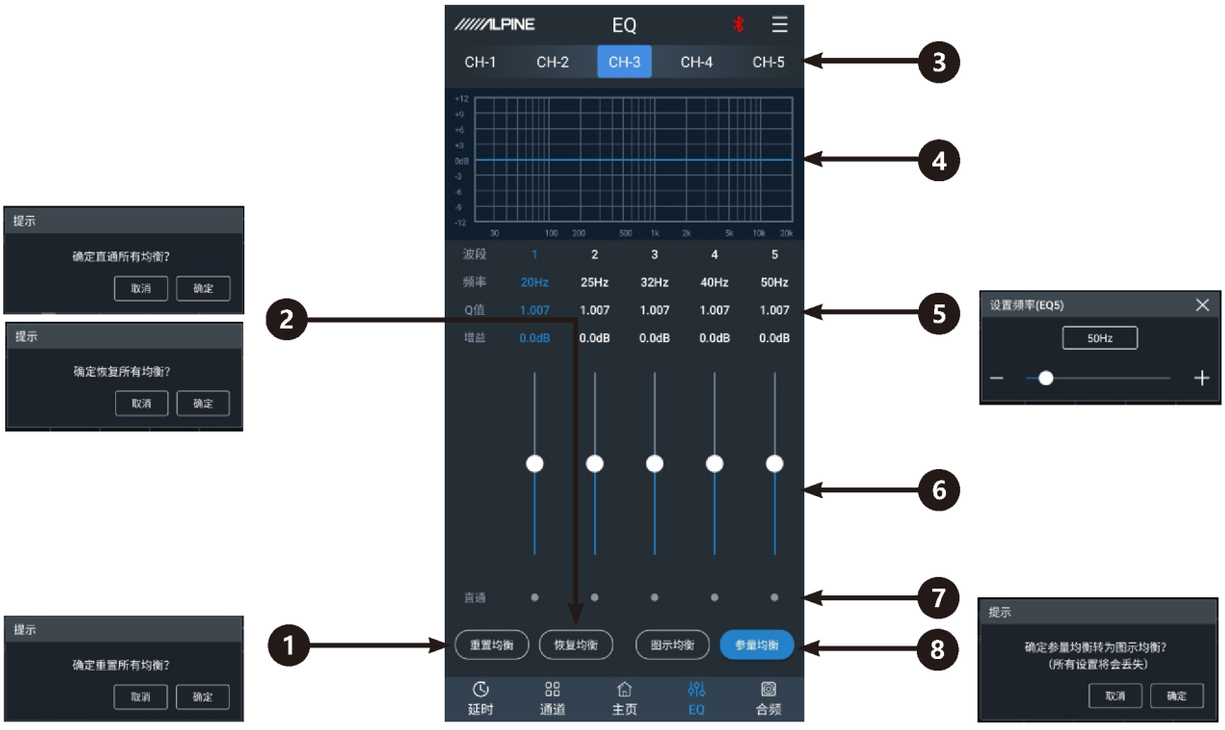
1	Speaker	Select the corresponding speaker, drag the fader left and right in the pop-up window to adjust the delay or click “+” and “-” to adjust the delay.
2	Delay group	Each channel has 6 delay groups available to choose from.
3	Delay unit	The delay unit may be chosen from millisecond, centimeter and inch.

Description of mobile phone APP - Channel



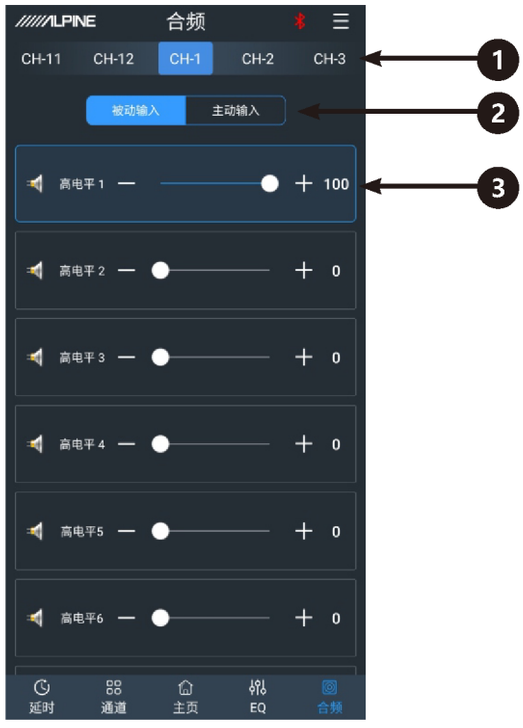
1	Joint debugging	There are joint debugging modes of “Copy channel EQ / volume from left to right” or “Copy channel EQ / volume from right to left” available.
2	Lock	The current channel type can be locked.
3	Slope	Select frequency division slope (-6dB/Oct, -12dB/Oct, -18dB/Oct, -24dB/Oct, -30dB/Oct, -36dB/Oct, -42dB/Oct or -48dB/Oct).
4	Output channel	Slide left and right to select the output channel to set. There is a total of 12 channels to choose from.
5	Frequency divider	Turn on or off high-pass / low-pass.
6	Filter type	Select filter type: (Linkwitz-Riley, Butterworth and Bessel).
7	Divider frequency	Select divider frequency (between 20 Hz and 20 kHz).
8	Channel type	Select the output channel type in the pull-down menu.
9	Channel volume	Drag the fader left and right to adjust the channel volume and the adjustment range is -60 dB ~ 6 dB; chick the speaker button to mute the channel.
10	Channel phase	Select the channel phase (normal phase or reverse phase).
11	Bass phase	Bass phase adjustment for output channel, adjustment range: 0°~360°.
12	Reset channel type	Select “Clear” to set the current channel type as empty; Select “Confirm” to set the current channel type as factory setting;

Description of mobile phone APP - EQ



1	Reset equilibrium	Reset EQ setting.
2	Restore equilibrium, pass-through equilibrium	Switch adjusted EQ data to pass-through state and click on it again to restore to EQ data before pass-through.
3	Output channel	Slide left and right to select the output channel for EQ adjustment. There is a total of 12 channels to choose from.
4	EQ display	Display the curve of EQ adjustment.
5	Frequency, Q value, gain	Adjustment of frequency, Q value, and gain for output channel The gain is adjustable but the frequency and Q value are fixed in the Graphic EQ interface. The frequency, Q value and gain are all adjustable in the Parametric EQ interface.
6	Gain	Drag the fader up and down to adjust the gain. The adjustment range: -12 dB ~ +12 dB.
7	Wave band on/off	Switch adjusted EQ data of the current wave band to pass-through state and click it again to restore to EQ data before pass-through.
8	Parametric EQ, graphic EQ	Switch between parametric EQ mode and graphic EQ mode, which will cause loss of all settings.

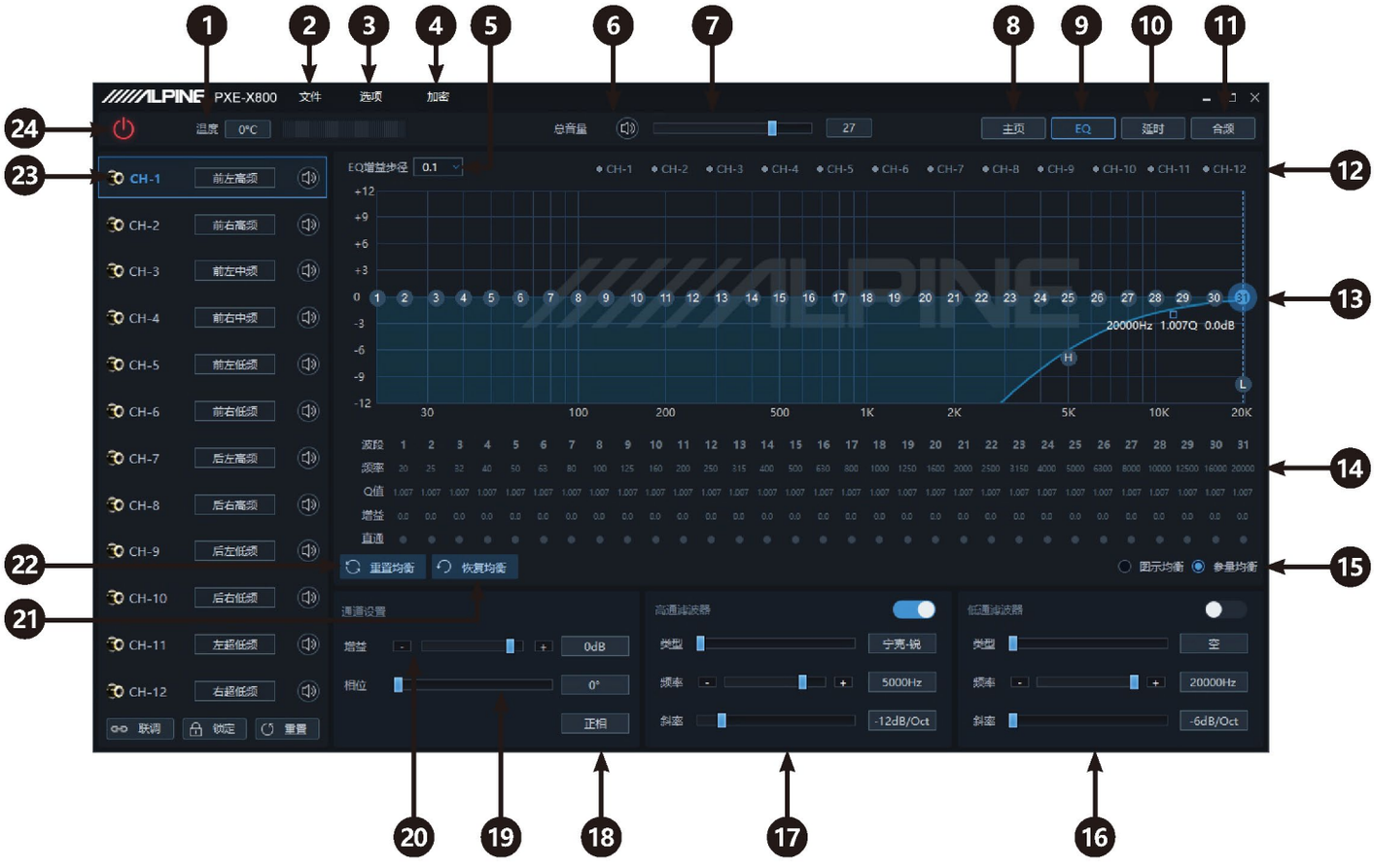
Description of mobile phone APP - Combined Frequency



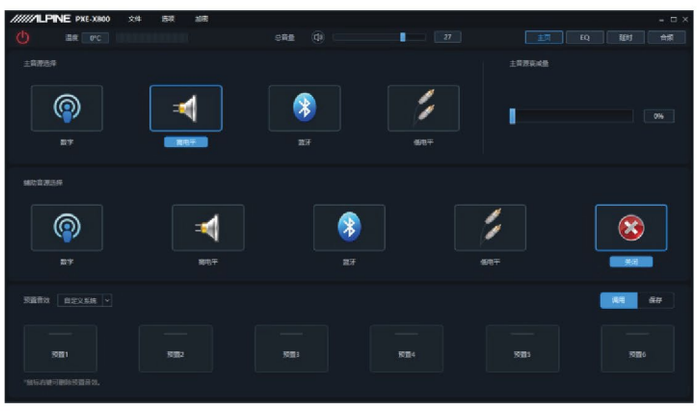
1	Output channel	Slide left and right to select the output channel for frequency combination. There is a total of 12 channels to choose from.
2	Active or passive input	Keep the default setting as “Passive.” Warning: if changed, you will lose the sound mixer settings of this channel.
3	Input channel	Drag the fader left and right or click “+” and “-” to adjust the volume of various sound sources in the channel for the purpose of sound mixing and frequency mixing.

Caution: it is strongly recommended that the maximum of a channel is 100 so as to avoid clipping.

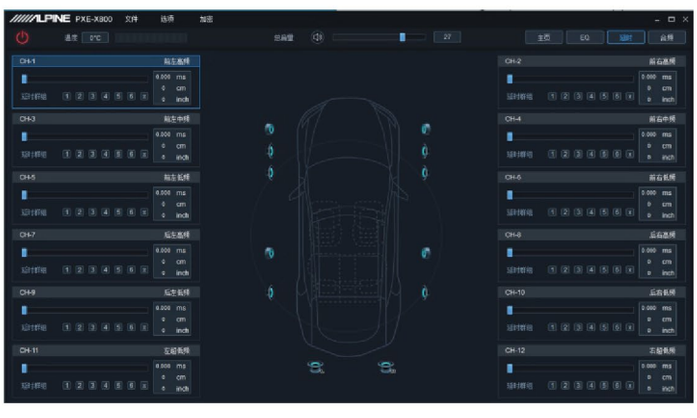
Computer software interface



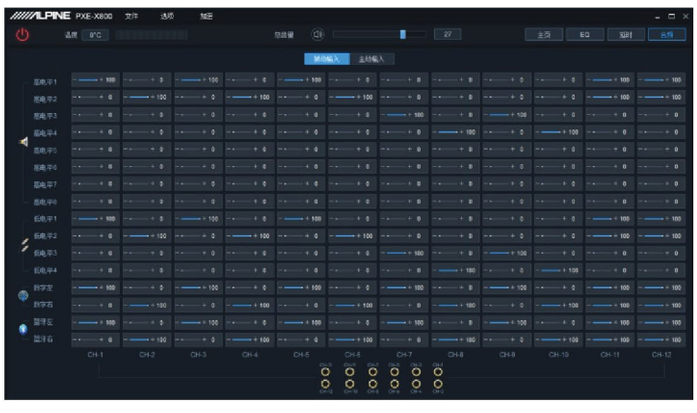
8



10



11

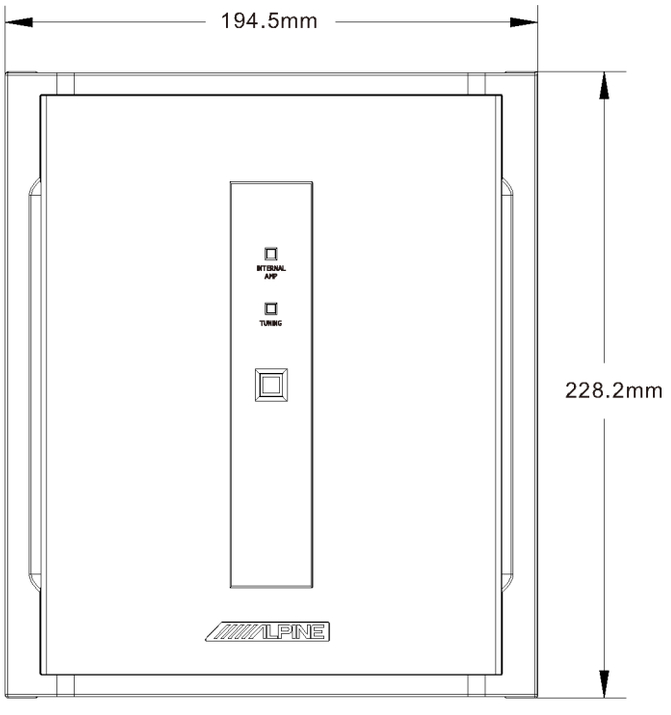


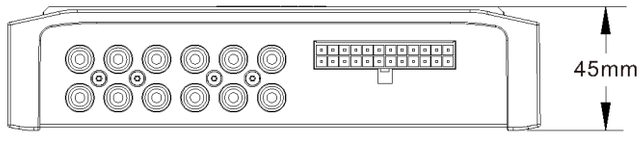
Description of computer software

1	Temperature display	Detect the temperature on the surface of the device.
2	File	Load or save scene files in the computer, load or save scene files of the whole device.
3	Options	Firmware update, noise threshold, built-in power amplifier, restore factory settings, shutdown delay, switch between Chinese and English, version number display.
4	Encryption	Enter 6-digit encrypted password to encrypt the tuned sound effect data.
5	EQ gain step size	The step size is selectable. Step size range: 0.1 dB ~ 0.5 dB ~ 1.0 dB.
6	Mute button	Master volume set to mute.
7	Master volume	Drag the fader left and right to adjust the volume.
8	Homepage	Master sound source selection (digital, high level, Bluetooth and low level), auxiliary sound source selection (digital, high level, Bluetooth, low level and off), master sound source attenuation adjustment, pre-set sound effects call or storage
9	EQ	Enter the EQ interface, professional tone-tuning interface.
10	Delay	Enter the Delay interface to set delay value, delay unit and delay group.
11	Combined frequency	Enter the Combined Frequency interface for sound mixing and frequency mixing settings.
12	Output channel display	Display the curve of the output channel.
13	EQ curve	Display the current EQ curve status, set frequency, Q value and gain.
14	Frequency, Q value, gain	Adjustment of frequency, Q value, and gain for output channel. The gain is adjustable but the frequency and Q value are fixed in the Graphic EQ interface. The frequency, Q value and gain are all adjustable in the Parametric EQ interface.
15	Parametric EQ, graphic EQ	Switch between parametric EQ mode and graphic EQ mode, which will cause loss of all settings.
16	Low-pass filter	Turn on or off the low-pass filter to cut off high frequency. Select filter type: (Linkwitz-Riley, Butterworth and Bessel). Select divider frequency (between 20 Hz and 20 kHz). Select frequency division slope (-6dB/Oct, -12dB/Oct, -18dB/Oct, -24dB/Oct, -30dB/Oct, -36dB/Oct, -42dB/Oct or -48dB/Oct).
17	High-pass filter	Turn on or off the high-pass filter to cut off low frequency. Select filter type: (Linkwitz-Riley, Butterworth and Bessel). Select divider frequency (between 20 Hz and 20 kHz). Select divider frequency (-6dB/Oct-12dB/Oct-18dB/Oct-24dB/Oct-30dB/Oct, -36dB/Oct-42dB/Oct or -48dB/Oct).
18	Channel phase	Select the channel phase (normal phase or reverse phase).
19	Bass phase	Bass phase adjustment for output channel, adjustment range: 0°~360°.
20	Channel gain	Drag the fader left and right to adjust the output channel gain, that is, to adjust the volume of output. The adjustment range is -60 dB ~ +6 dB.
21	Pass-through equilibrium, restore equilibrium	Switch adjusted EQ data to pass-through state and click on it again to restore to EQ data before pass-through.
22	Reset equilibrium	Reset EQ setting.
23	Output channel	There are 12 output channels to choose from. Configure the output channel type. Click on the speaker to mute the channel.
24	Connection indication	Connect the computer and the main device with a USB cable. Open the software to connect, click on it again to disconnect.

Specification parameters

Dynamic range	≥100dB
SNR (RCA)	≥110dB
Background noise	High level: 93.3uVrms; RCA：8.8uVrms
Channel resolution	≥80dB
THD	≤0.05%
Input voltage	High level: 30Vpp; RCA：6.5Vpp
Output voltage	High level CH1~CH4: 40 Vpp, high level CH5~CH8: 28 Vpp; RCA: 8 Vpp
Rated power	CH1~CH4：50W，CH5~CH8：25W(4Ω, 14.4V, 1kHz, 10%THD)
Maximum power	CH 1 ~ CH4：100W，CH5~ CH8：50W(4Ω, 1 4.4V, 1kHz, 10%THD)
Input / output sensitivity (RCA)	1:1.23 (no power amplification)
Frequency response	20Hz~20kHz
System sampling rate	48kHz/24bit
Input impedance	High level: 51Ω; RCA：20kΩ
Output impedance	51Ω
Operating voltage	9~16V
Quiescent current	≤3mA (in off state)
Stand-by power consumption	≤0.1W
REM startup input	High level (H1-/H1+), ACC selectable
REM startup output	12V(0.2A)
Uptime	10s
Operating ambient temperature	-20~60℃
Storage temperature	-40~85℃
Net weight	2kg
Main device dimensions	228.2mm×194.5mm×45mm





Functional parameters

Input signals	8 channels of high level, 4 channels of RCA audio, high resolution blue tooth, fiber/coaxial
Output signals	8 channels of high level, 12 channels of RCA audio
Output channel signal gain	Range: mute, - 60dB~ + 6dB
Output signal equalizer	Type: parametric EQ, graphic EQ Frequency: 20Hz~20kHz, resolution: 1Hz Q value (slope or gradient): 0.404 ~ 28.852 Gain: -12.0 dB ~ +12.0 dB, resolution: 0.1 dB ~ 0.5 dB ~ 1.0 dB
Output signal frequency divider	Each output channel is equipped with independent multi-order high-pass filter, Filter type: Linkwitz-Riley, Bessel or Butterworth Filter cross-over frequency: 20 Hz ~ 20 kHz, resolution 1Hz Filter slope (gradient): -6 dB/Oct ~ -48 dB/Oct
Output phase	Normal phase or reverse phase (0°~ 360°)
Output delay	0.000~20.000ms、0~692cm、0~273inch
Pre-set sound effects	Multiple sets of pre-set sound effect data can be saved in the device

有害物质成分

产品中有害物质或元素的名称及含量

部件名称	有害物质或元素					
	铅 (Pb)	汞 (Hg)	镉 (Cd)	六价铬 (Cr(VI))	多溴联苯 (PBB)	多溴二苯醚 (PBDE)
电路板组件	×	○	○	○	○	○
壳体组件	○	○	○	○	○	○
显示组件	×	○	○	○	○	○
配件	×	○	○	○	○	○

本表格依据 SJ/T 11364 的规定编制。

○：表示该有害物质在该部件所有均质材料中的含量均在 GB/T 26572 规定的限量要求以下。

×：表示该有害物质至少在该部件某一均质材料中的含量超出 GB/T 26572 规定的限量要求。

打“×”的部件，其含量超出是因为目前业界还没有成熟的可替代的技术。

维修站信息

- 关于维修的咨询，请参照下列“维修站信息”。
- 维修站名称、电话号码、地址会有变更的情况发生。

序号	维修站	地址	邮编	电话
1	上海维修站	上海市普陀区同普路 158 弄 12 号 1 楼	200062	021-62605645
2	广州维修站	广州市白云区京溪路善和街 3 号	510510	186-6505-9713
3	郑州维修站	郑州市经济技术开发区经北一路 7 号院 3 楼	450016	0371-66222388
4	昆明维修站	昆明市龙泉路泰阳欣城铺 407，408 号	650031	0871-65116201
5	南京维修站	南京市栖霞区经五路兴都晴轩中 1 幢 108 室	210003	025-86630368
6	杭州维修站	杭州市富阳区文教路 80-6 号	311400	138-5819-6041 189-5751-6008
7	厦门维修站	厦门市后埭溪路 248 号六、七、八号店面	361004	0592-5170118
8	乌鲁木齐维修站	乌鲁木齐市青年路 308 号	830002	0991-8871299
9	南昌维修站	南昌市新洲路 98 号丰源嘉会朝阳居一楼店面	330029	0791-86566758
10	成都维修站	成都市成华区驷马桥东立国际广场 B1 区 1333 号	610051	028-84397796

获取最新最详细的维修站信息，请登录 www.alpine.com.cn 查询。