



# 12-CHANNEL DIGITAL AUDIO PROCESSOR AMPLIFIER

## PXE-X800



- For users of iPhone, please search the mobile 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 (RUX-C810), sold separately may also be used to control the device.



Mobile Tuning  
App (Android)

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# Operating Instructions


## 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 have this device installed by professionals.** 

This device requires professional expertise to install the product. For safety, please contact the Alpine authorised dealer from where 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 from children.** 

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 cause any distraction should be used only when the vehicle is at a complete stop. 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 where outside noise can still be heard.**  

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

### **Caution**

**Cleaning of the device** 

Please clean the product regularly with a dry soft cloth. For any dirt that is difficult to clean, water can only 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.

**DP-Series integration** 

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 tweeter.

**Installation location**  

The device cannot be installed at the following locations:



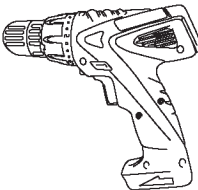
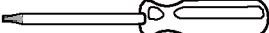

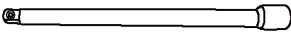
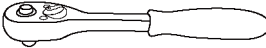
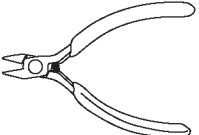



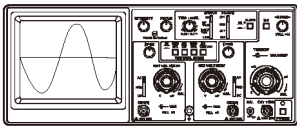
- Under direct sunlight and near a heat source.
- With high humidity and near a water source.
- Dusty sites.
- Environments with violent vibration.

## Copyright Notice

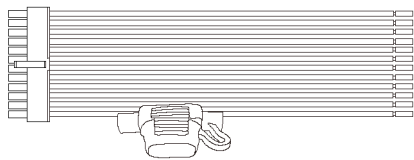
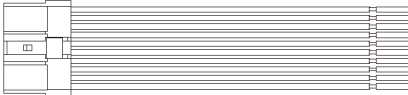

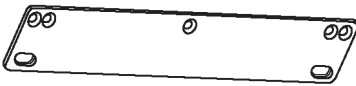
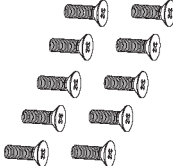
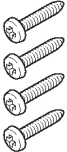
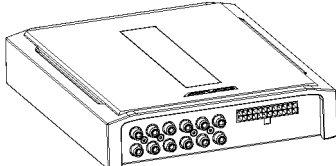
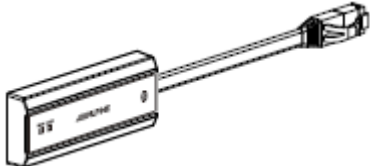
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\*The electronic products should be discarded via an appropriate recycling channel to reduce electronic waste pollution.

# Required Tools (Vehicle Installation Specific)

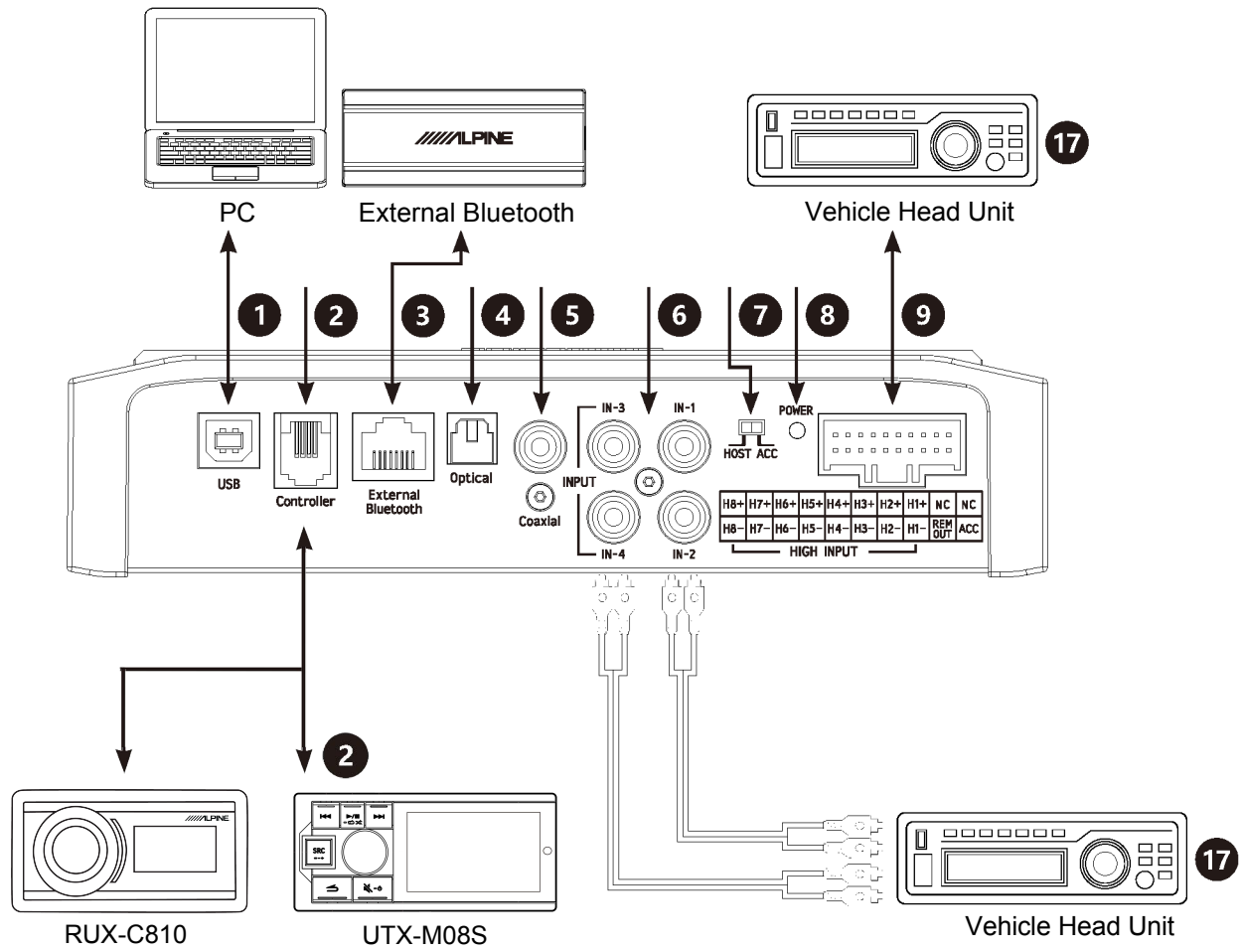
Panel removal tools	Socket	Electric drill	Torx screwdriver
			
Philips screwdriver	Socket extension	Socket wrench	Side cutters
			
Wire crimper	Wire stripper	Frequency spectrum analyzer	Oscilloscope
			

# Accessories

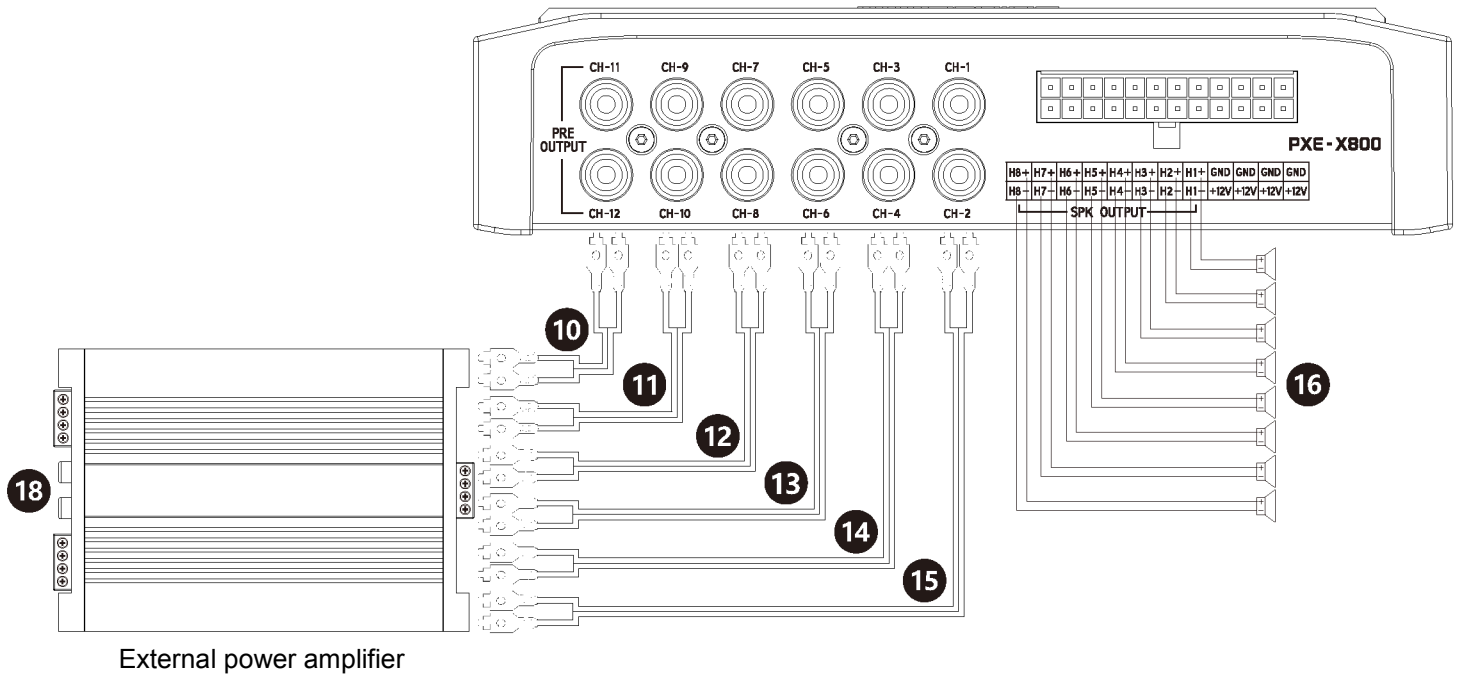
2×12P speaker and power cord	2×10P input line	USB 2.0 cable
		
Mounting bracket	Machine screws (10)	Self-tapping screws (4)
		
PXE-X800	Bluetooth module	
		



# Diagrams of Device Interfaces

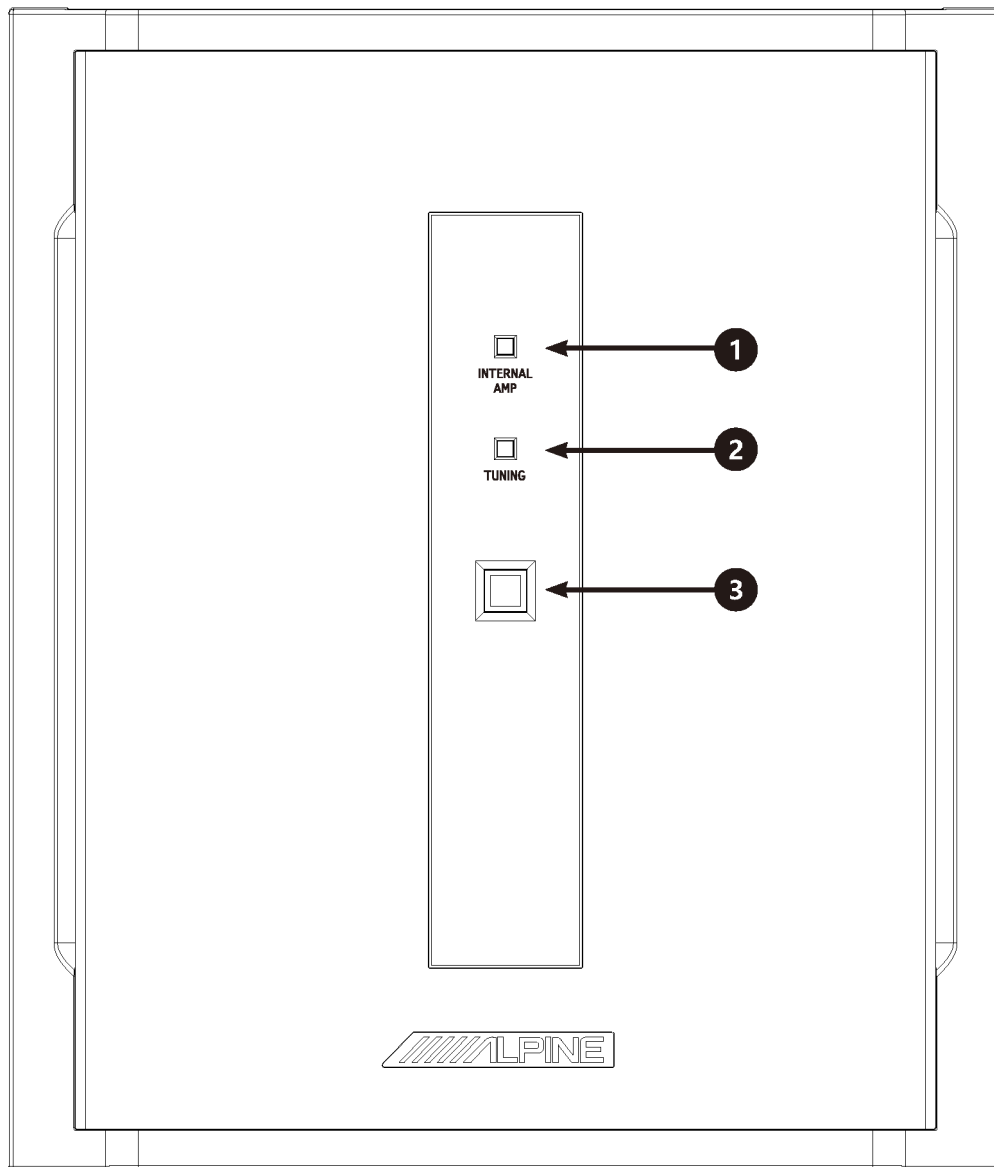


\* The UTX-M08S can act as a remote commander and vehicle head unit.



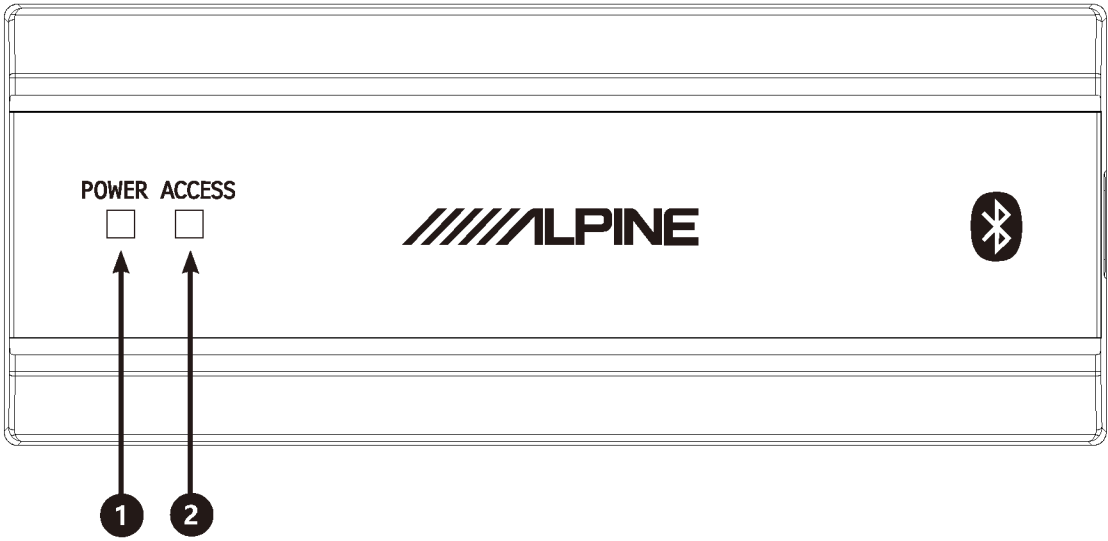


# Device Indicator Lights



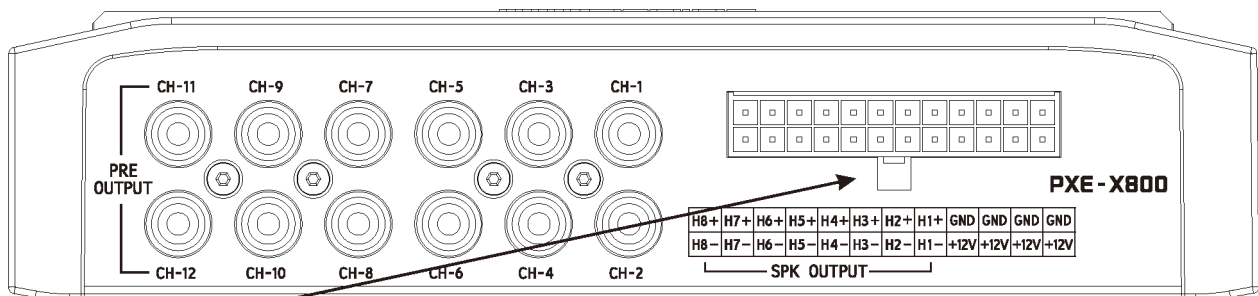
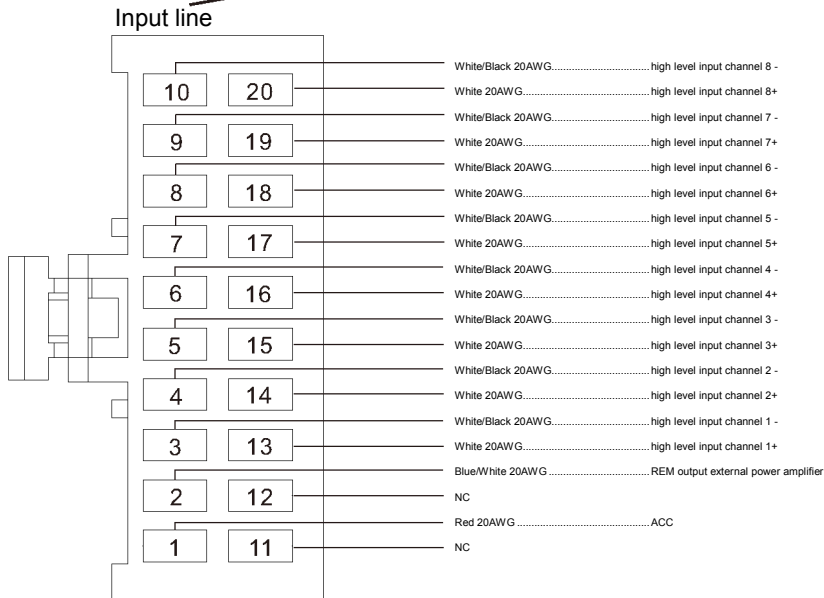
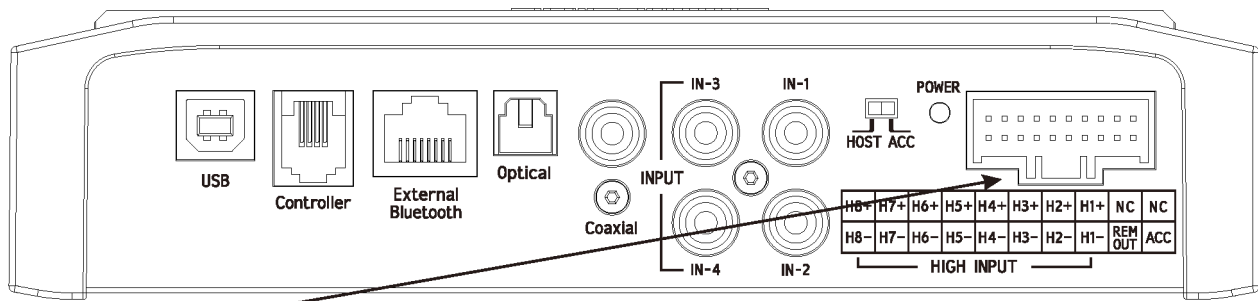
1	Power amplifier AMP switch indicator light	When the power amplifier AMP output is turned off or the device is shut down, the indicator light is off; When the power amplifier output is turned on, the indicator light is constantly on.
2	Software connection indicator light	When the PC software or tone-tuning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

# Bluetooth Device Indicator Lights

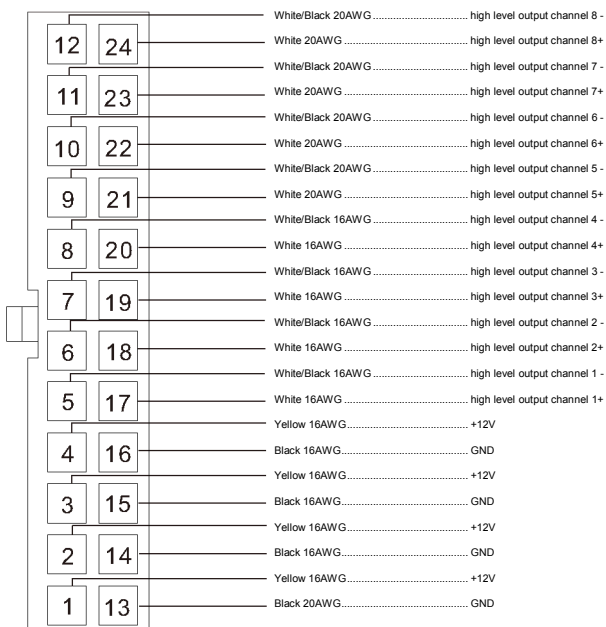


1	POWER indicator light	When the external Bluetooth is connected to PXE-X800 normally, when the device is turned on, the indicator light is constantly on; When the device is shut down, the indicator light is off.
2	ACCESS indicator light	When the external Bluetooth is successfully connected for communication,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

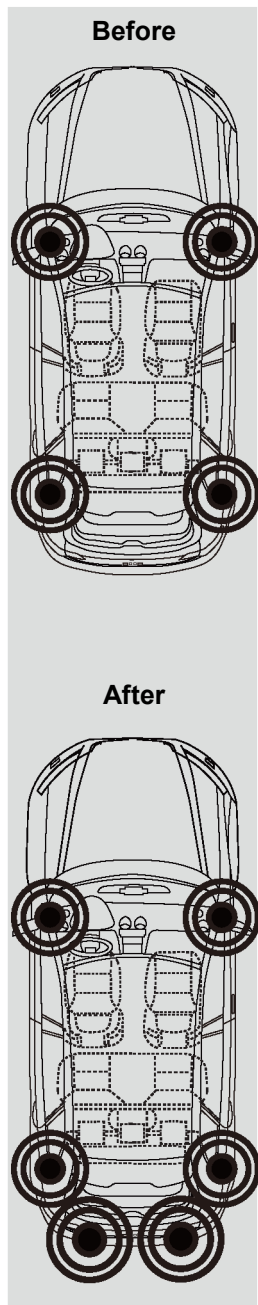
# Arrangement of Wire Pins



## Speaker and power cord



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



ALPINE Mix

CH-11 CH-12 CH-1 CH-2 CH-3

Passive input Active input

Hi.Level 7 - 0

Hi.Level 8 - 0

AUX 1 - 100

AUX 2 - 0

AUX 3 - 0

AUX 4 - 0

TCR Channel Home EQ Mix

ALPINE Mix

CH-12 CH-1 CH-2 CH-3 CH-4

Passive input Active input

Hi.Level 7 - 0

Hi.Level 8 - 0

AUX 1 - 0

AUX 2 - 100

AUX 3 - 0

AUX 4 - 0

TCR Channel Home EQ Mix

ALPINE Mix

CH-1 CH-2 CH-3 CH-4 CH-5

Passive input Active input

Hi.Level 7 - 0

Hi.Level 8 - 0

AUX 1 - 0

AUX 2 - 0

AUX 3 - 100

AUX 4 - 0

TCR Channel Home EQ Mix

ALPINE Mix

CH-2 CH-3 CH-4 CH-5 CH-6

Passive input Active input

Hi.Level 7 - 0

Hi.Level 8 - 0

AUX 1 - 0

AUX 2 - 0

AUX 3 - 0

AUX 4 - 100

TCR Channel Home EQ Mix

ALPINE Mix

CH-3 CH-4 CH-5 CH-6 CH-7

Passive input Active input

Hi.Level 7 - 0

Hi.Level 8 - 0

AUX 1 - 100

AUX 2 - 0

AUX 3 - 0

AUX 4 - 0

TCR Channel Home EQ Mix

ALPINE Mix

CH-4 CH-5 CH-6 CH-7 CH-8

Passive input Active input

Hi.Level 7 - 0

Hi.Level 8 - 0

AUX 1 - 0

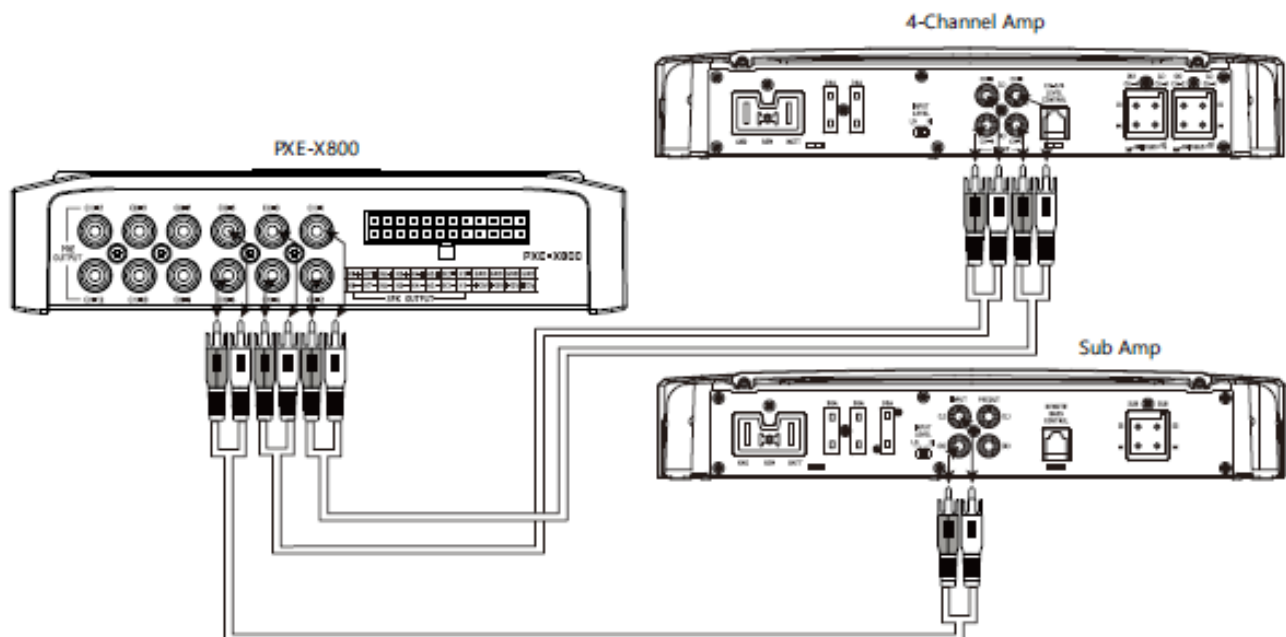
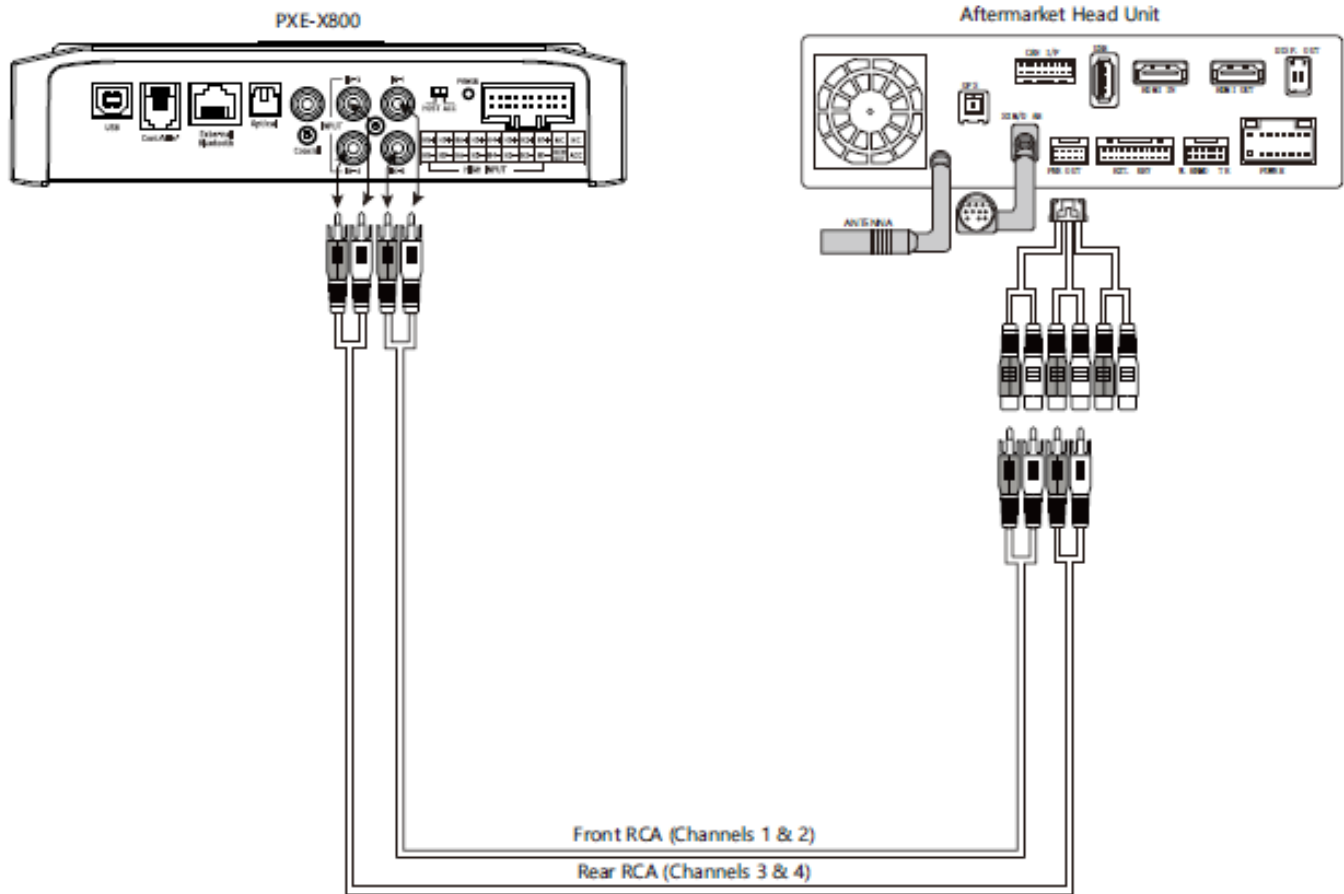
AUX 2 - 100

AUX 3 - 0

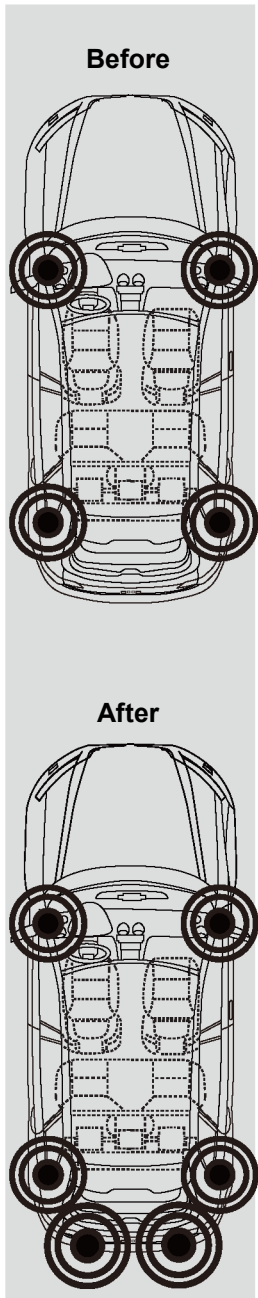
AUX 4 - 0

TCR Channel Home EQ Mix

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



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



ALPINE Mix

CH-11 CH-12 CH-1 CH-2 CH-3

Passive input Active input

Hi.Level 1 - 100

Hi.Level 2 - 0

Hi.Level 3 - 0

Hi.Level 4 - 0

Hi.Level 5 - 0

Hi.Level 6 - 0

TCR Channel Home EQ Mix

ALPINE Mix

CH-12 CH-1 CH-2 CH-3 CH-4

Passive input Active input

Hi.Level 1 - 0

Hi.Level 2 - 100

Hi.Level 3 - 0

Hi.Level 4 - 0

Hi.Level 5 - 0

Hi.Level 6 - 0

TCR Channel Home EQ Mix

ALPINE Mix

CH-1 CH-2 CH-3 CH-4 CH-5

Passive input Active input

Hi.Level 1 - 0

Hi.Level 2 - 0

Hi.Level 3 - 100

Hi.Level 4 - 0

Hi.Level 5 - 0

Hi.Level 6 - 0

TCR Channel Home EQ Mix

ALPINE Mix

CH-2 CH-3 CH-4 CH-5 CH-6

Passive input Active input

Hi.Level 1 - 0

Hi.Level 2 - 0

Hi.Level 3 - 0

Hi.Level 4 - 100

Hi.Level 5 - 0

Hi.Level 6 - 0

TCR Channel Home EQ Mix

ALPINE Mix

CH-3 CH-4 CH-5 CH-6 CH-7

Passive input Active input

Hi.Level 1 - 100

Hi.Level 2 - 0

Hi.Level 3 - 0

Hi.Level 4 - 0

Hi.Level 5 - 0

Hi.Level 6 - 0

TCR Channel Home EQ Mix

ALPINE Mix

CH-4 CH-5 CH-6 CH-7 CH-8

Passive input Active input

Hi.Level 1 - 0

Hi.Level 2 - 100

Hi.Level 3 - 0

Hi.Level 4 - 0

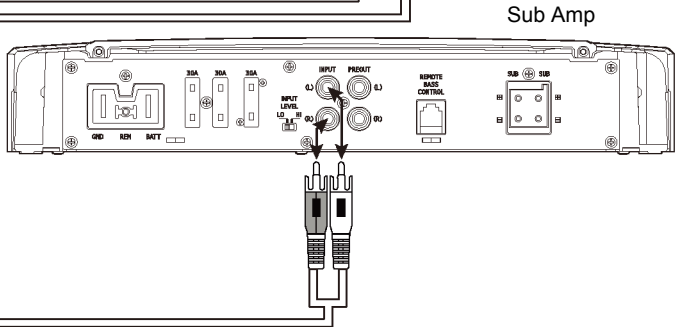
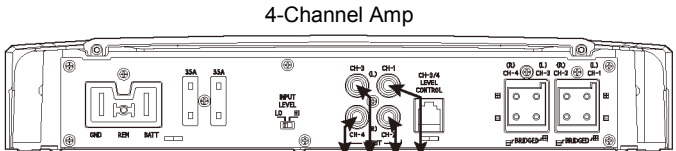
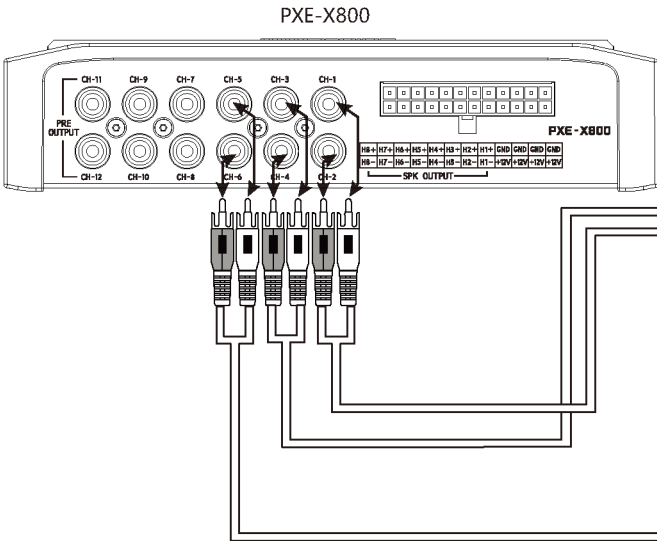
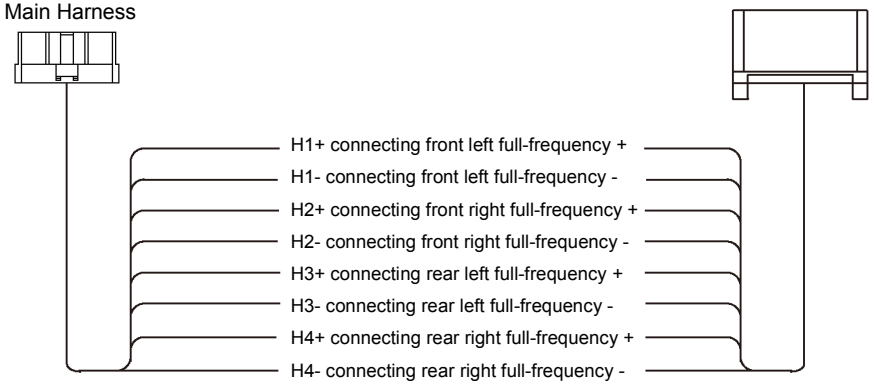
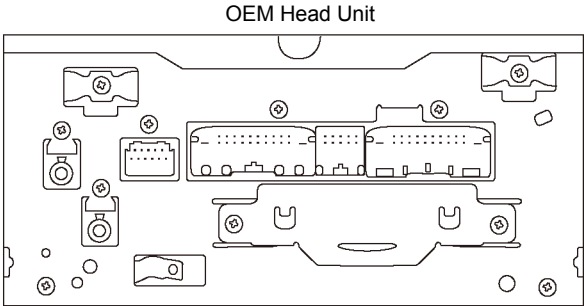
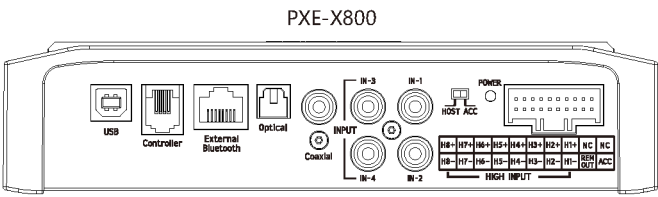
Hi.Level 5 - 0

Hi.Level 6 - 0

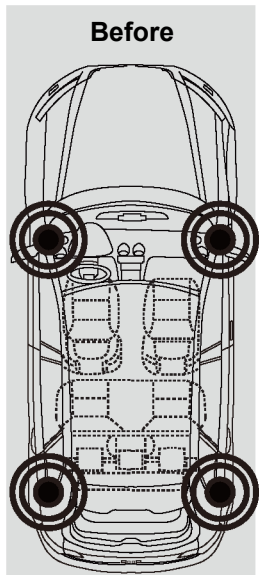
TCR Channel Home EQ Mix



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



# Example III: digital input / 6 channel output



ALPINE Mix

CH-11 CH-12 **CH-1** CH-2 CH-3

Passive input Active input

AUX 3 - 0 +

AUX 4 - 0 +

SPDIF-L - 100 +

SPDIF-R - 0 +

BT-L - 0 +

BT-R - 0 +

TCR Channel Home EQ Mix

ALPINE Mix

CH-12 CH-1 **CH-2** CH-3 CH-4

Passive input Active input

AUX 3 - 0 +

AUX 4 - 0 +

SPDIF-L - 0 +

SPDIF-R - 100 +

BT-L - 0 +

BT-R - 0 +

TCR Channel Home EQ Mix

ALPINE Mix

CH-3 CH-4 **CH-5** CH-6 CH-7

Passive input Active input

AUX 3 - 0 +

AUX 4 - 0 +

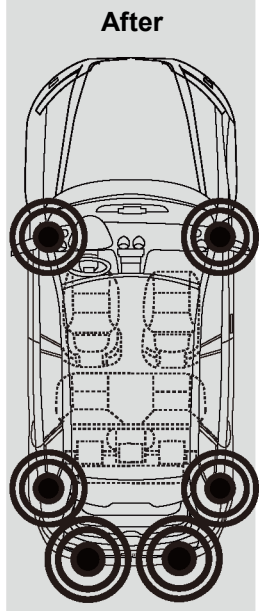
SPDIF-L - 100 +

SPDIF-R - 0 +

BT-L - 0 +

BT-R - 0 +

TCR Channel Home EQ Mix



ALPINE Mix

CH-2 CH-3 **CH-4** CH-5 CH-6

Passive input Active input

AUX 3 - 0 +

AUX 4 - 0 +

SPDIF-L - 0 +

SPDIF-R - 100 +

BT-L - 0 +

BT-R - 0 +

TCR Channel Home EQ Mix

ALPINE Mix

CH-1 CH-2 **CH-3** CH-4 CH-5

Passive input Active input

AUX 3 - 0 +

AUX 4 - 0 +

SPDIF-L - 100 +

SPDIF-R - 0 +

BT-L - 0 +

BT-R - 0 +

TCR Channel Home EQ Mix

ALPINE Mix

CH-4 CH-5 **CH-6** CH-7 CH-8

Passive input Active input

AUX 3 - 0 +

AUX 4 - 0 +

SPDIF-L - 0 +

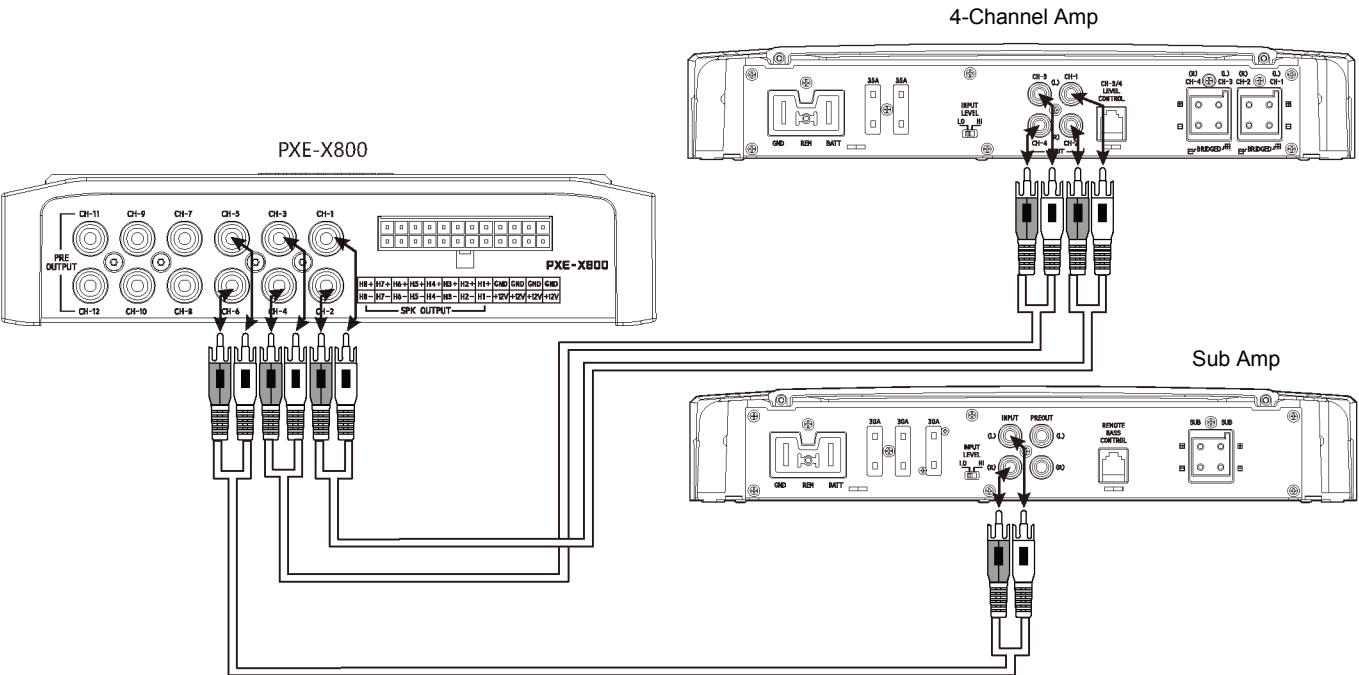
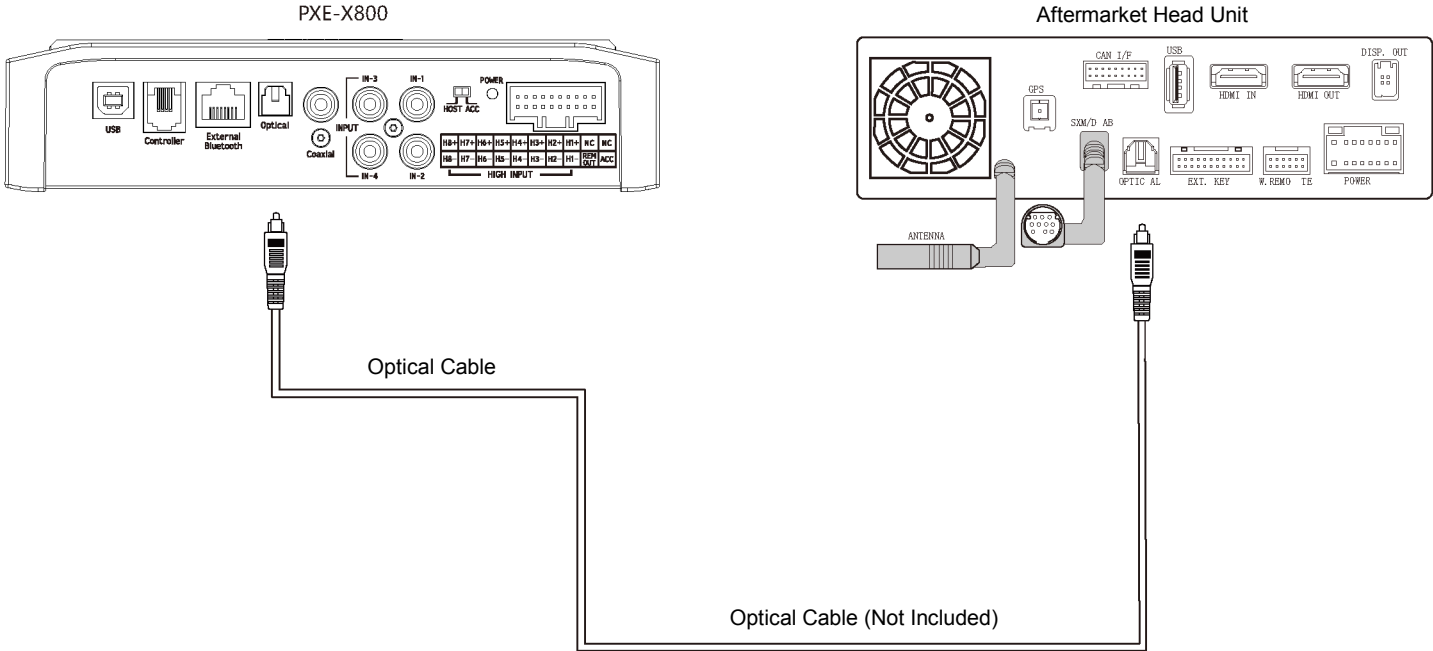
SPDIF-R - 100 +

BT-L - 0 +

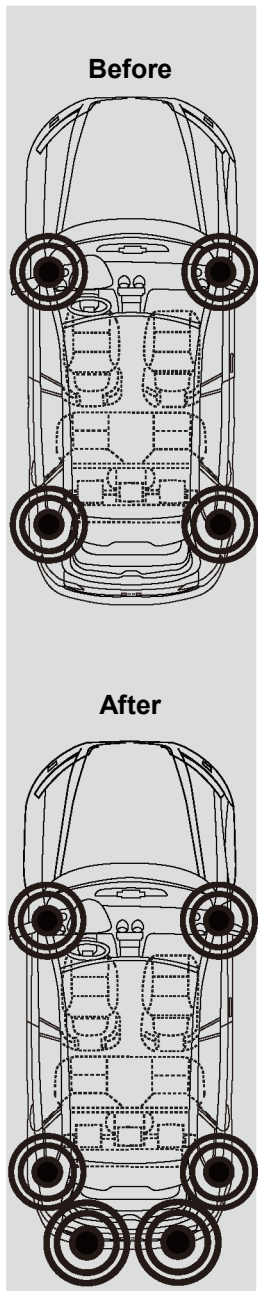
BT-R - 0 +

TCR Channel Home EQ Mix

# Example III: digital input / 6 channel output



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



ALPINE Mix

CH-11 CH-12 CH-1 CH-2 CH-3

Passive input Active input

Hi.Level 1 - 100

Hi.Level 2 - 0

Hi.Level 3 - 0

Hi.Level 4 - 0

Hi.Level 5 - 0

Hi.Level 6 - 0

TCR Channel Home EQ Mix

ALPINE Mix

CH-12 CH-1 CH-2 CH-3 CH-4

Passive input Active input

Hi.Level 1 - 0

Hi.Level 2 - 100

Hi.Level 3 - 0

Hi.Level 4 - 0

Hi.Level 5 - 0

Hi.Level 6 - 0

TCR Channel Home EQ Mix

ALPINE Mix

CH-1 CH-2 CH-3 CH-4 CH-5

Passive input Active input

Hi.Level 1 - 0

Hi.Level 2 - 0

Hi.Level 3 - 100

Hi.Level 4 - 0

Hi.Level 5 - 0

Hi.Level 6 - 0

TCR Channel Home EQ Mix

ALPINE Mix

CH-2 CH-3 CH-4 CH-5 CH-6

Passive input Active input

Hi.Level 1 - 0

Hi.Level 2 - 0

Hi.Level 3 - 0

Hi.Level 4 - 100

Hi.Level 5 - 0

Hi.Level 6 - 0

TCR Channel Home EQ Mix

ALPINE Mix

CH-3 CH-4 CH-5 CH-6 CH-7

Passive input Active input

Hi.Level 1 - 100

Hi.Level 2 - 0

Hi.Level 3 - 0

Hi.Level 4 - 0

Hi.Level 5 - 0

Hi.Level 6 - 0

TCR Channel Home EQ Mix

ALPINE Mix

CH-4 CH-5 CH-6 CH-7 CH-8

Passive input Active input

Hi.Level 1 - 0

Hi.Level 2 - 100

Hi.Level 3 - 0

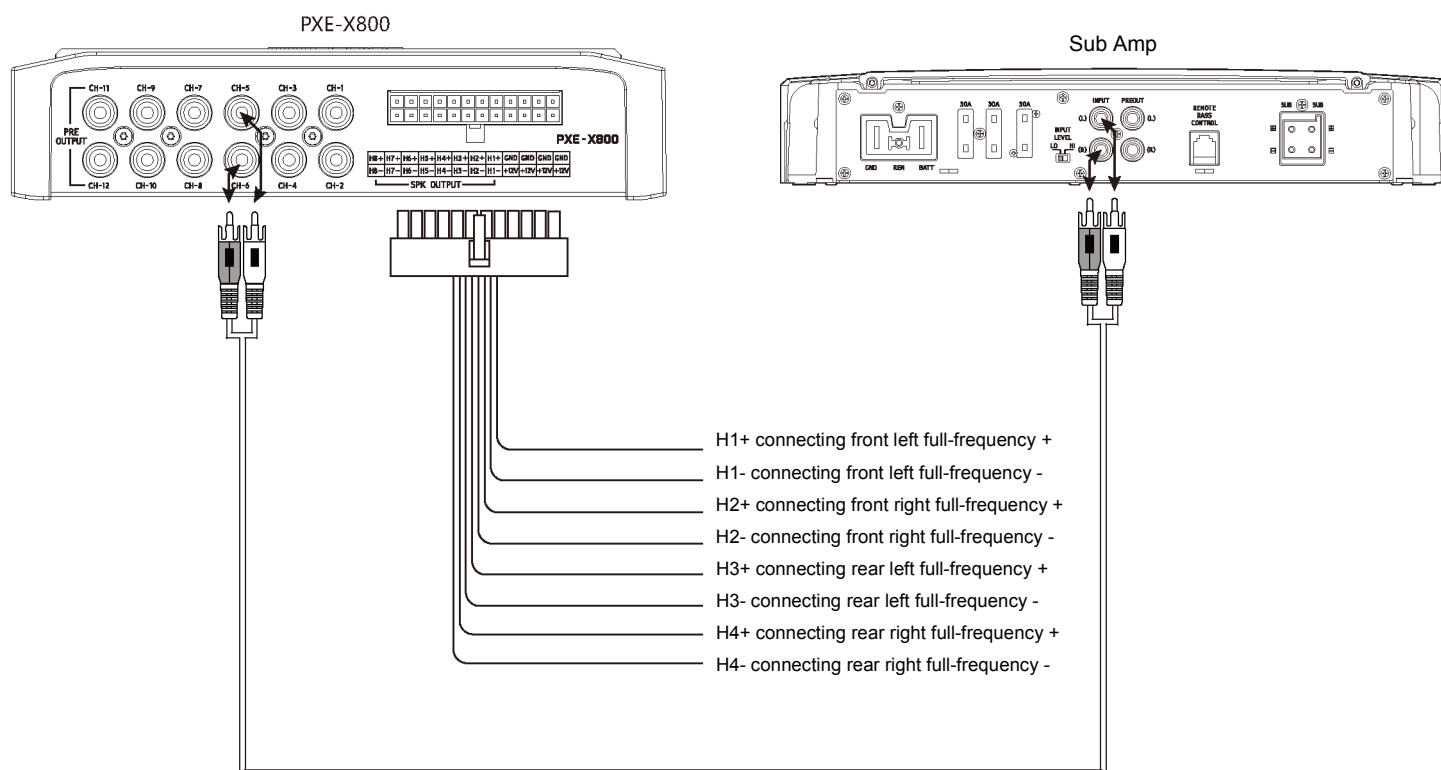
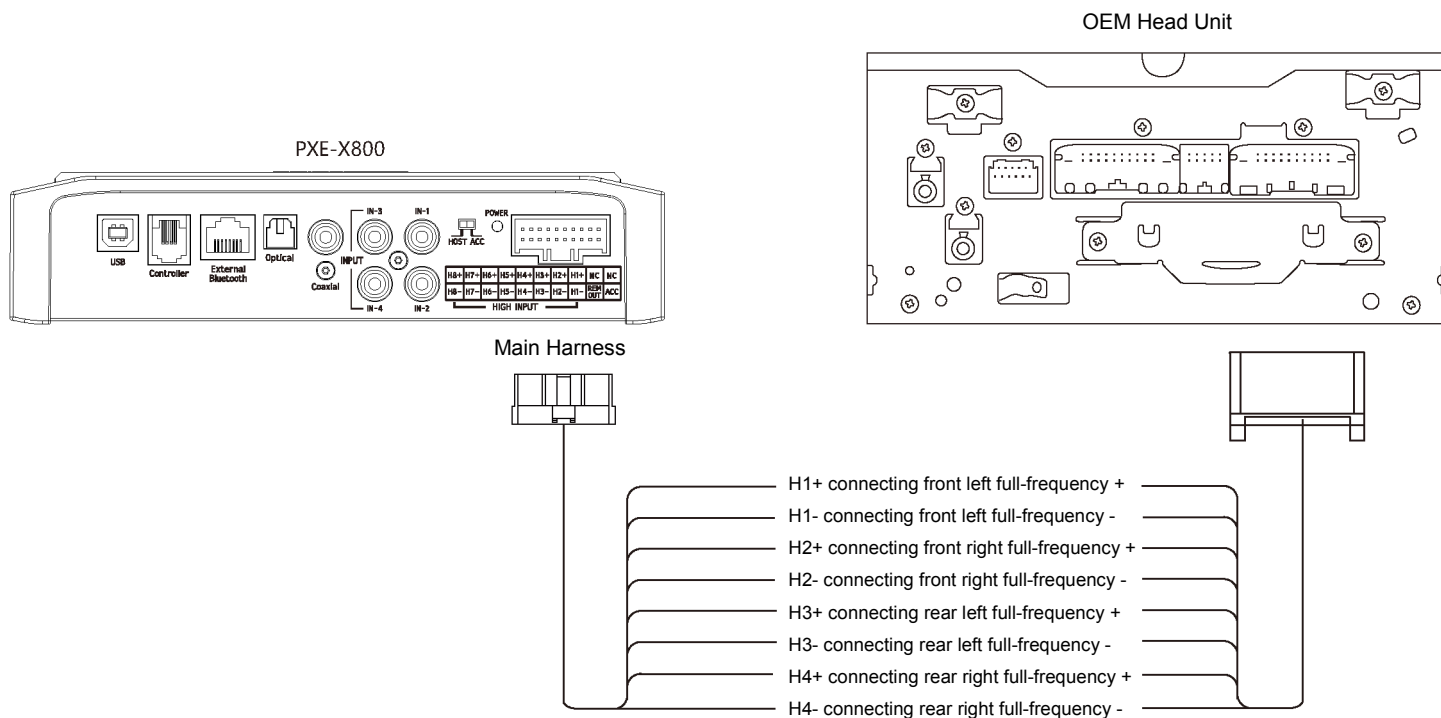
Hi.Level 4 - 0

Hi.Level 5 - 0

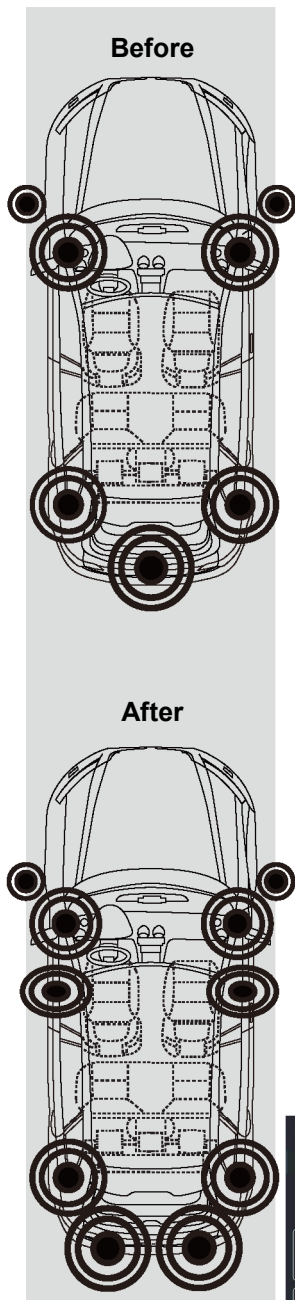
Hi.Level 6 - 0

TCR Channel Home EQ Mix

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



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



ALPINE Mix app screenshot for channel CH-1. The interface shows "Passive input" selected. The frequency sliders are: Hi.Level 1 at +50, Hi.Level 2 at 0, Hi.Level 3 at +50, Hi.Level 4 at 0, Hi.Level 5 at 0, and Hi.Level 6 at 0.

ALPINE Mix app screenshot for channel CH-2. The interface shows "Passive input" selected. The frequency sliders are: Hi.Level 1 at 0, Hi.Level 2 at +50, Hi.Level 3 at 0, Hi.Level 4 at +50, Hi.Level 5 at 0, and Hi.Level 6 at 0.

ALPINE Mix app screenshot for channel CH-3. The interface shows "Passive input" selected. The frequency sliders are: Hi.Level 1 at 0, Hi.Level 2 at 0, Hi.Level 3 at 0, Hi.Level 4 at 0, Hi.Level 5 at +100, and Hi.Level 6 at 0.

ALPINE Mix app screenshot for channel CH-4. The interface shows "Passive input" selected. The frequency sliders are: Hi.Level 1 at 0, Hi.Level 2 at 0, Hi.Level 3 at 0, Hi.Level 4 at 0, Hi.Level 5 at 0, and Hi.Level 6 at +100.

ALPINE Mix app screenshot for channel CH-5. The interface shows "Passive input" selected. The frequency sliders are: Hi.Level 1 at 0, Hi.Level 2 at 0, Hi.Level 3 at +50, Hi.Level 4 at 0, Hi.Level 5 at 0, and Hi.Level 6 at 0.

ALPINE Mix app screenshot for channel CH-6. The interface shows "Passive input" selected. The frequency sliders are: Hi.Level 1 at 0, Hi.Level 2 at +50, Hi.Level 3 at 0, Hi.Level 4 at +50, Hi.Level 5 at 0, and Hi.Level 6 at 0.

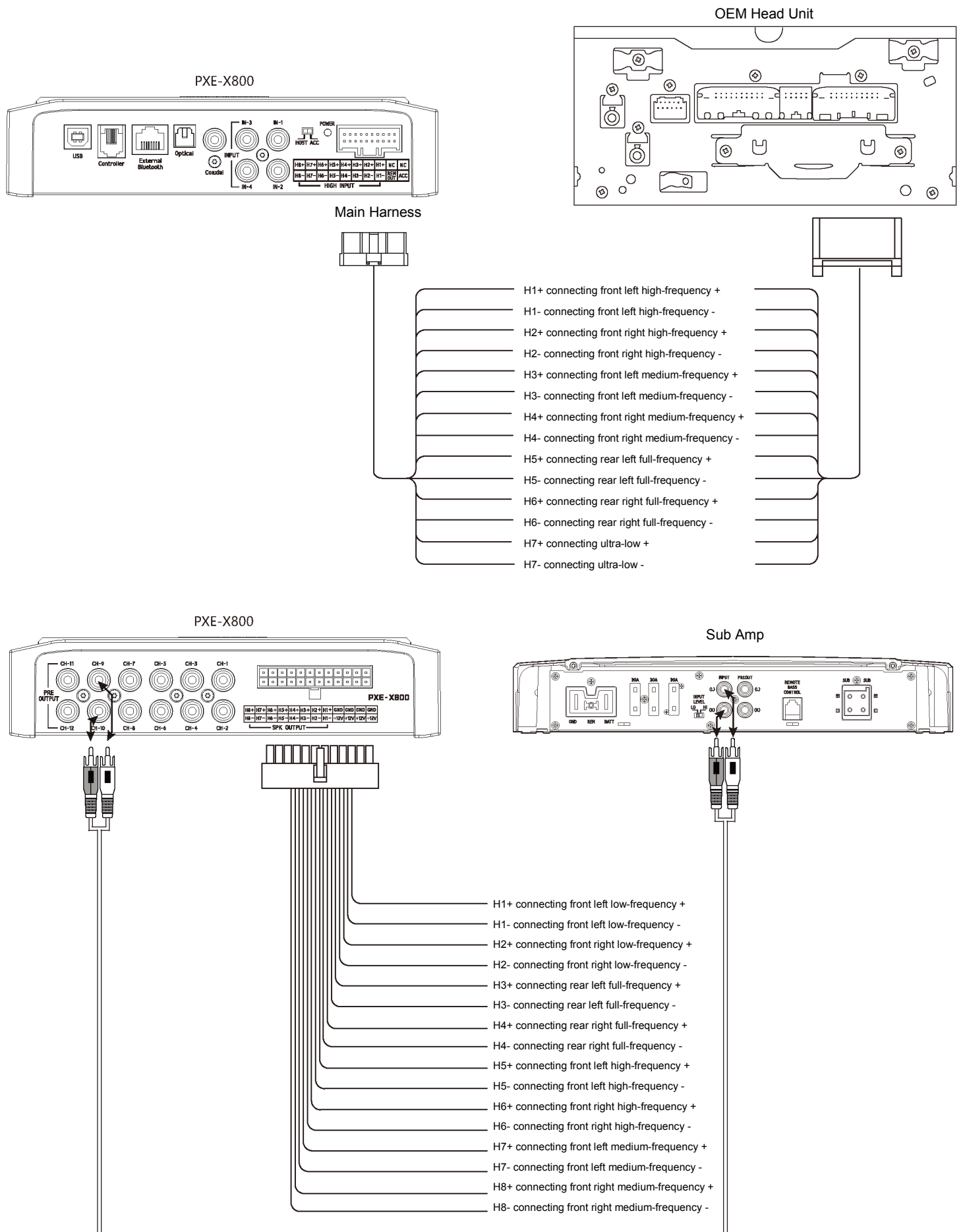
ALPINE Mix app screenshot for channel CH-7. The interface shows "Passive input" selected. The frequency sliders are: Hi.Level 1 at 0, Hi.Level 2 at 0, Hi.Level 3 at +50, Hi.Level 4 at 0, Hi.Level 5 at 0, and Hi.Level 6 at 0.

ALPINE Mix app screenshot for channel CH-8. The interface shows "Passive input" selected. The frequency sliders are: Hi.Level 1 at 0, Hi.Level 2 at +50, Hi.Level 3 at 0, Hi.Level 4 at +50, Hi.Level 5 at 0, and Hi.Level 6 at 0.

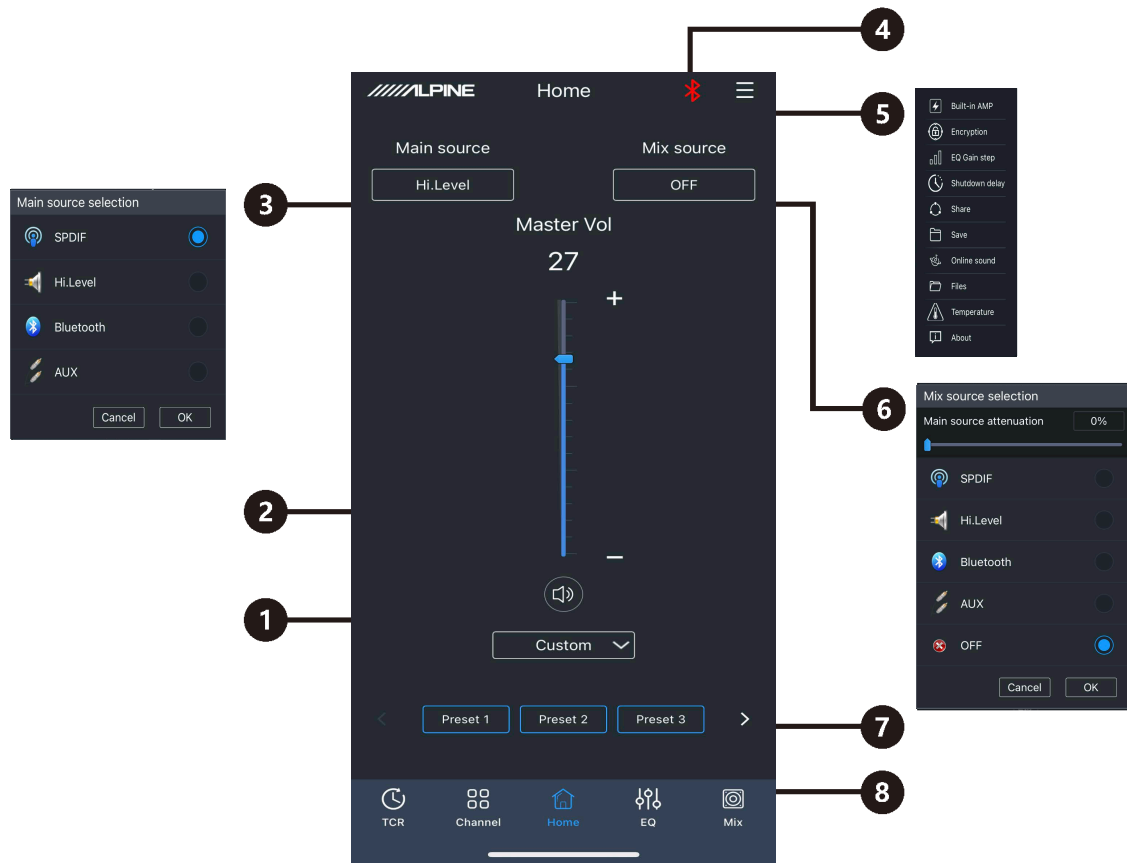
ALPINE Mix app screenshot for channel CH-9. The interface shows "Passive input" selected. The frequency sliders are: Hi.Level 2 at 0, Hi.Level 3 at +50, Hi.Level 4 at 0, Hi.Level 5 at 0, Hi.Level 6 at 0, and Hi.Level 7 at +50.

ALPINE Mix app screenshot for channel CH-10. The interface shows "Passive input" selected. The frequency sliders are: Hi.Level 2 at 0, Hi.Level 3 at 0, Hi.Level 4 at +50, Hi.Level 5 at 0, Hi.Level 6 at 0, and Hi.Level 7 at +50.

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



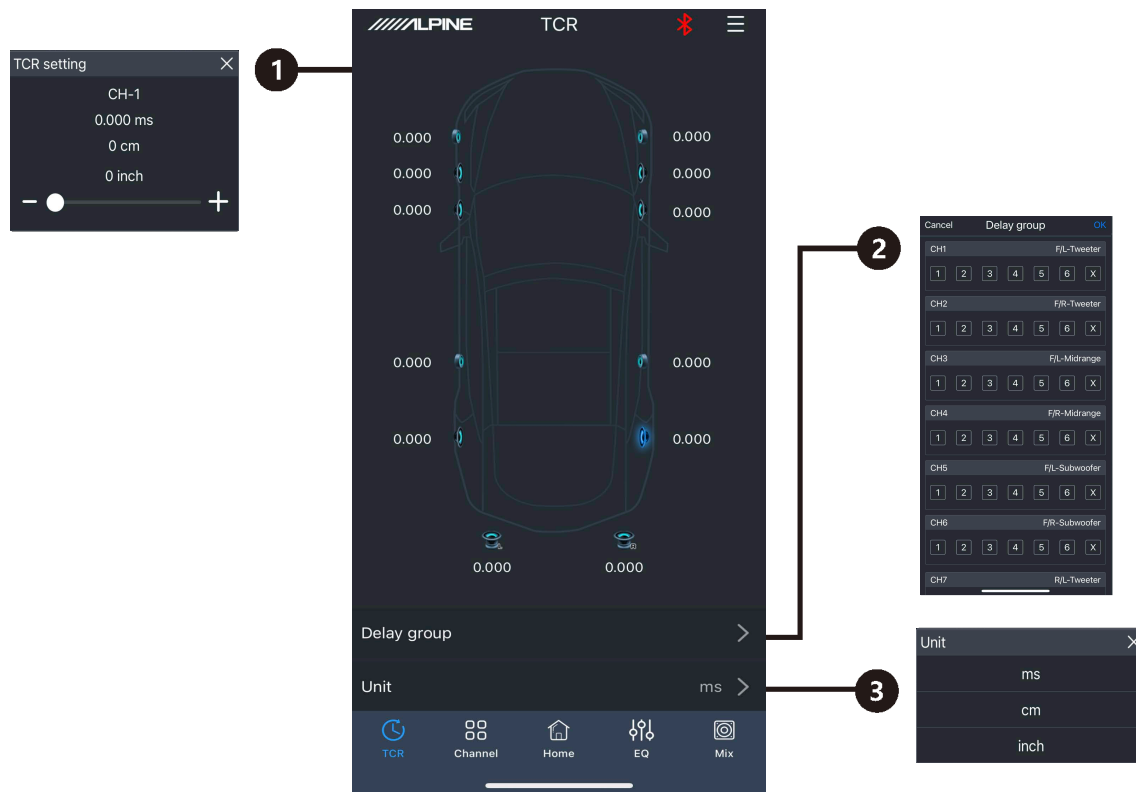
# Device Tuning with Mobile App - Homepage



1	Mute	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.

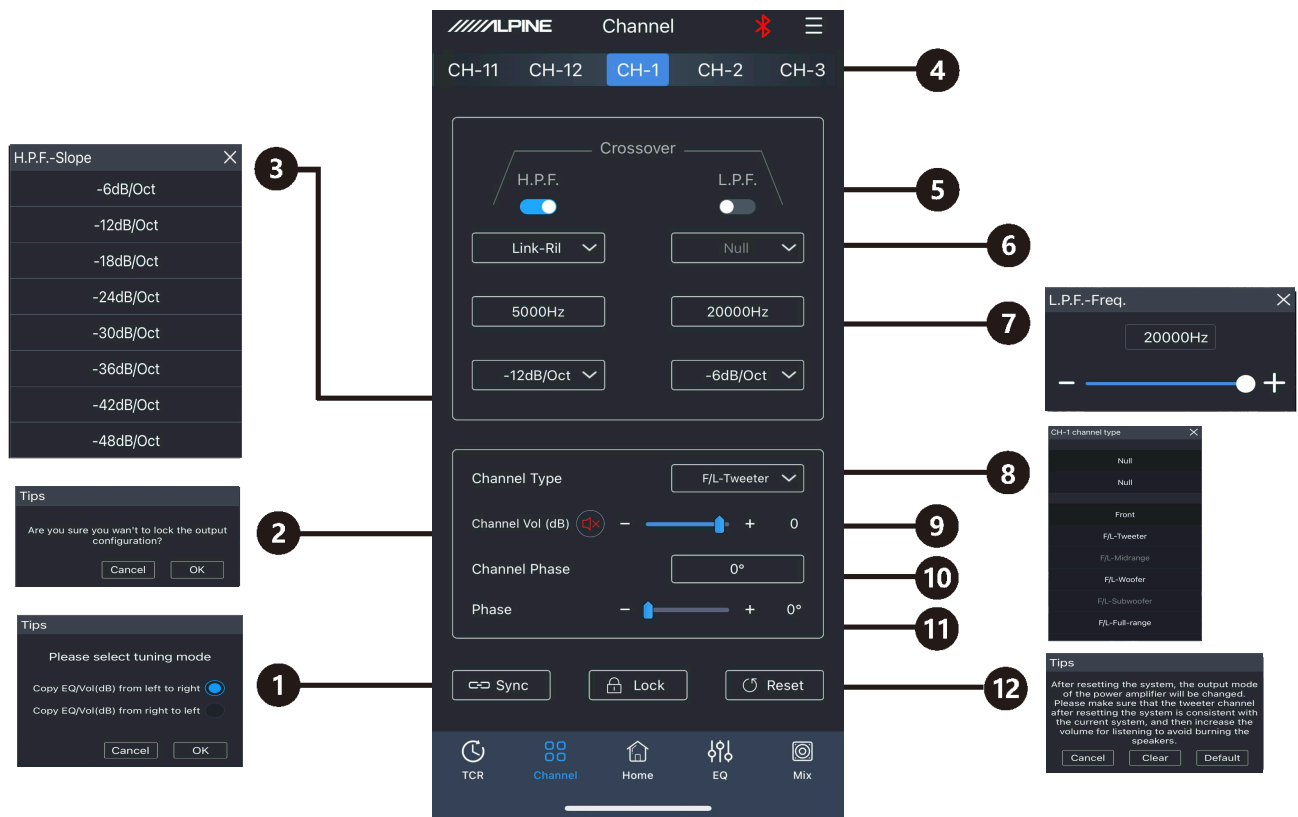


# Device Tuning with Mobile App - Delay



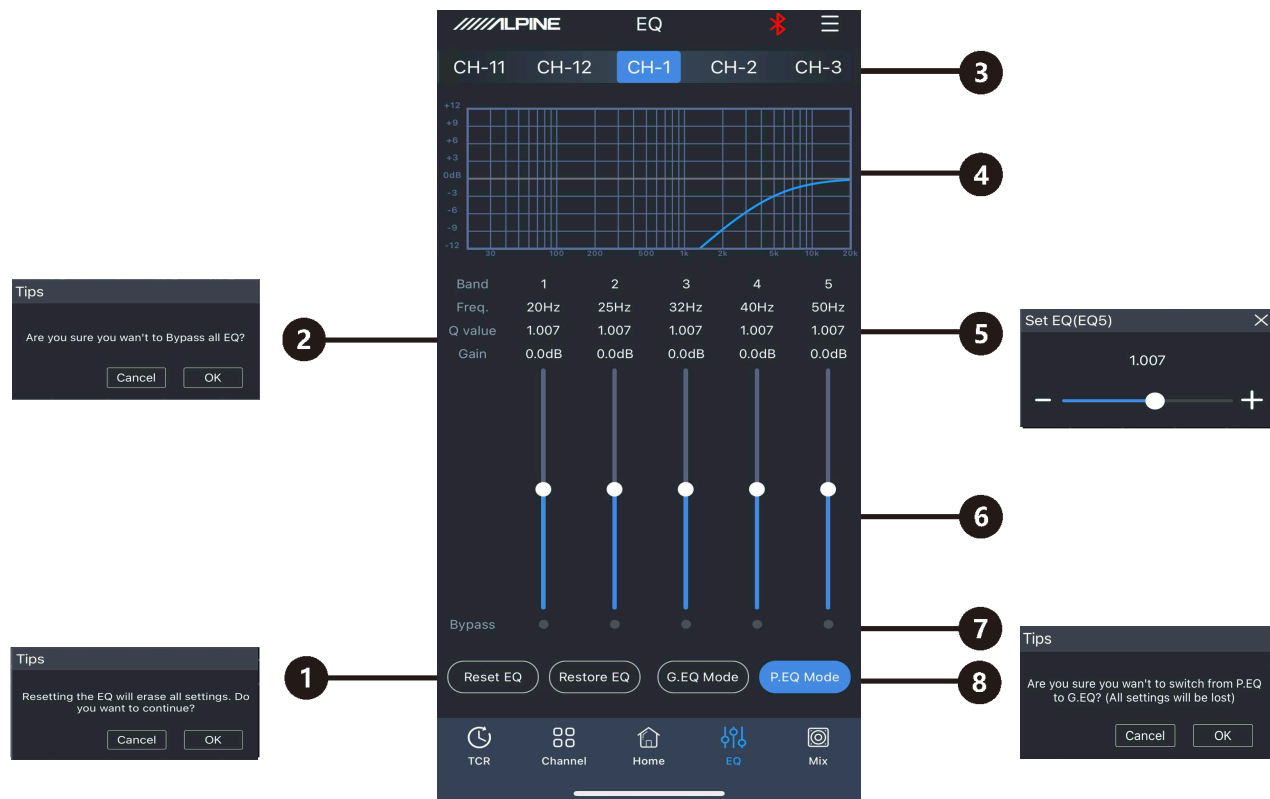
1	Speaker	Select the corresponding speaker, drag the fader left and right in the pop-up window to adjust the delay or click “+” and “-” to adjust the delay.
2	Delay group	Each channel has 6 delay groups available to choose from.
3	Delay unit	The delay unit may be chosen from millisecond, centimeter and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

# Device Tuning with Mobile App - Channel



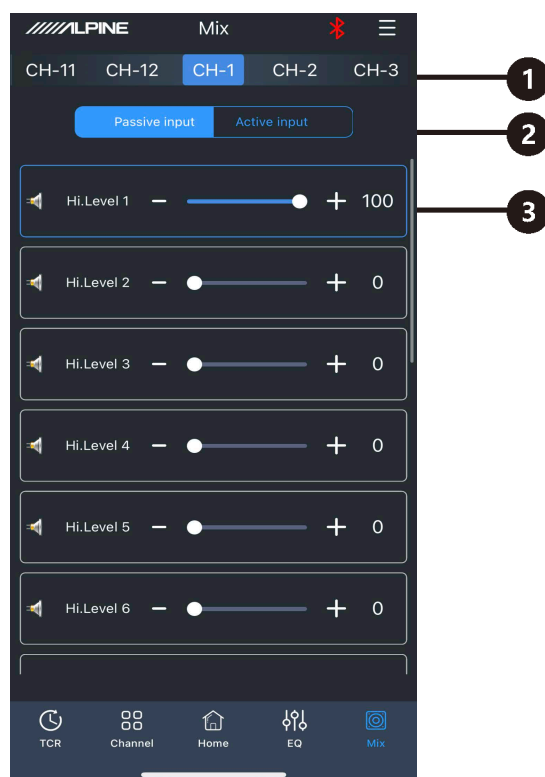
1	Joint debugging	There are joint debugging modes of “Copy channel EQ / volume from left to right” or “Copy channel EQ / volume from right to left” available.
2	Lock	The current channel type can be locked.
3	Slope	Select frequency division slope (-6dB/Oct, -12dB/Oct, -18dB/Oct, -24dB/Oct, -30dB/Oct, -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; click 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;

# Device Tuning with Mobile 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.

# Device Tuning with Mobile 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: To avoid clipping, it is strongly recommended that each channel not exceed 100.

# Device Tuning with PC (Windows) Software

1: File menu  
2: Option menu  
3: Encryption menu  
4: EQ Gain step dropdown  
5: EQ Gain step value  
6: Master Vol slider  
7: EQ Gain step dropdown  
8: Home button  
9: EQ button  
10: TCR button  
11: Mix button  
12: EQ Gain step dropdown  
13: EQ Gain step value  
14: EQ Gain step dropdown  
15: EQ Gain step value  
16: EQ Gain step dropdown  
17: EQ Gain step value  
18: EQ Gain step dropdown  
19: EQ Gain step value  
20: EQ Gain step dropdown  
21: EQ Gain step value  
22: EQ Gain step dropdown  
23: EQ Gain step value  
24: EQ Gain step dropdown

8

10

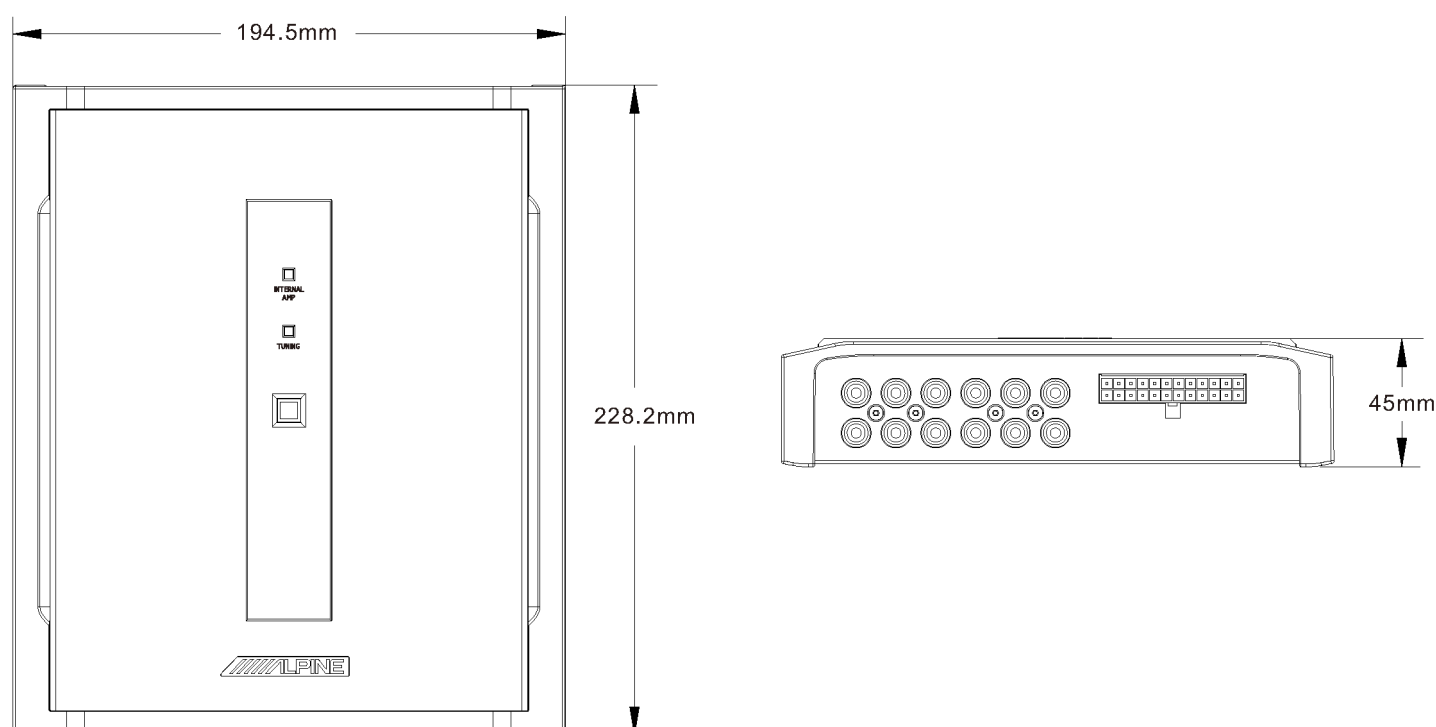
11

# Features of PC (Windows) 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	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, 14.4V, 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°C
Storage temperature	-40~85°C
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









