



DEQ-400ACH

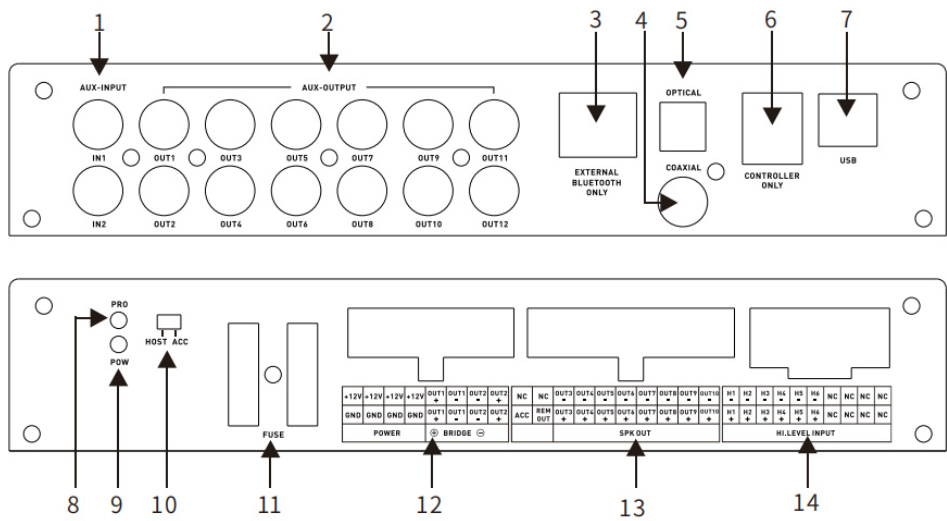
Instruction manual

Safety precautions:

1. To prevent electrical short circuit, do not place the device in a rainy or humid place.
2. If the electrical appliances encounter water and other liquids into the machine, the power should be cut off immediately, and ask professional maintenance personnel to check and repair, so as to avoid accidents.
3. There is no place in the machine that the user can repair, do not open the boot cover, please find a professional to open and repair.
4. Do not install this product by yourself. Only qualified professionals can install it.

Introduction to Machine Interface:

DEQ-400ACH
Multimedia audio processor
12 channel digital signal processor



- 1. Low level input interface
- 2. 2. Low level output interface
- 3. 3. External Bluetooth interface
- 4. Coaxial input interface
- 5. Optical fiber input port
- 6. Wire controller
- 7. USB2.0 port
- 8. Protect the indicator
- 9. Power indicator
- 10. Switch of the machine startup mode
- 11. 2x25A fuse socket
- 12. High level output and power interface

+12V	+12V	+12V	+12V	OUT1 +	OUT1 -	OUT2 -	OUT2 +
GND	GND	GND	GND	OUT1 +	OUT1 -	OUT2 -	OUT2 +
POWER				⊕	BRIDGE	⊖	

- 13. High level output interface

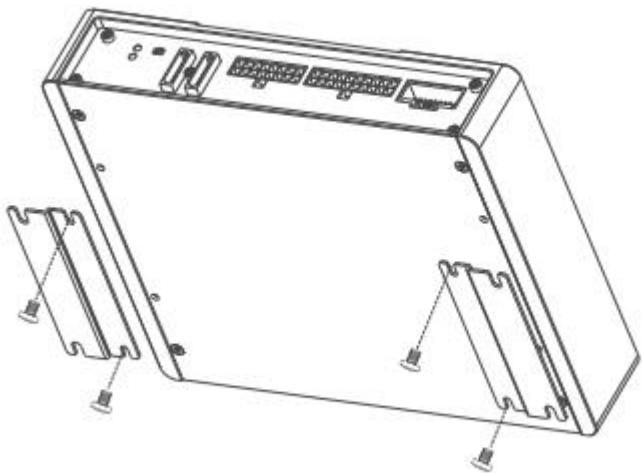
NC	NC	OUT3 -	OUT4 -	OUT5 -	OUT6 -	OUT7 -	OUT8 -	OUT9 -	OUT10 -
ACC	REM OUT	OUT3 +	OUT4 +	OUT5 +	OUT6 +	OUT7 +	OUT8 +	OUT9 +	OUT10 +
SPK OUT									

- 14. High level input interface

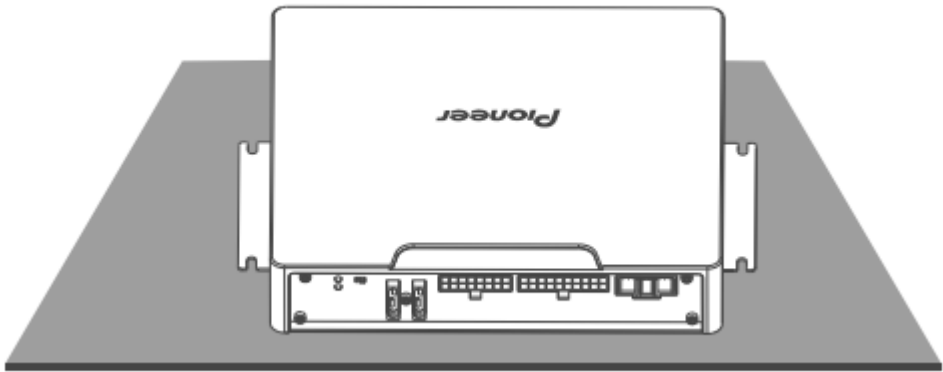
H1 -	H2 -	H3 -	H4 -	H5 -	H6 -	NC	NC	NC	NC
H1 +	H2 +	H3 +	H4 +	H5 +	H6 +	NC	NC	NC	NC
Hi.LEVEL INPUT									

Shipping, Assembly and Installation

1. Secure the machine bracket to the machine base plate with bracket screws.

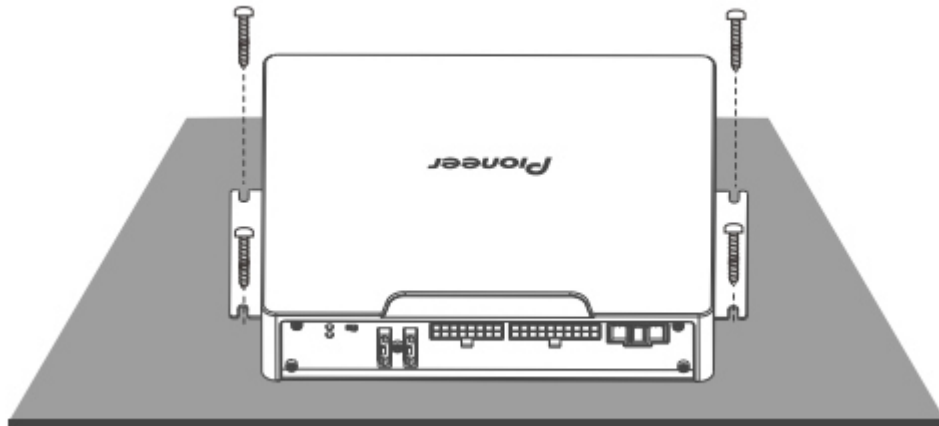


2. Position the machine where it needs to be installed









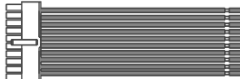
3. Use setting screws to secure the machine bracket.

DEQ-400ACH
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4. Fixed complete.

Enclosure

1. screw $\varnothing 3 \text{ mm} \times 7 \text{ mm}$  X 4PCS
2. screw $\varnothing 4 \text{ mm} \times 20 \text{ mm}$  X 4PCS
3. Support $90 \text{ mm} \times 35 \text{ mm} \times 1.2 \text{ mm}$  X 2PCS
4. Data cable 1500 mm  X 1PCS
5. High level input line 150 mm  X 1PCS
6. High level output and power cord 150 mm  X 1PCS
7. High level output line 150 mm  X 1PCS

Functional Characteristics

1. Input signal: 6-channel high level, 2-channel low level, fiber/coaxial
2. Output signal: 12 channels low level, 2CH×80W power (bridge1×160W) +4CH×40W+4CH×25W power output
3. Support external Bluetooth and built-in Bluetooth switching & external connection line control (optional)
4. More than 300 OEM cable models available (optional)

5.Parameter equalizer in the 31-band band

6.Support PC& mobile APP adjustment

Functional Characteristics

Dynamic range (RCA input) : $\geq 100\text{dB}$

Signal to noise ratio (RCA input) : $\geq 99\text{dB}$

Total harmonic distortion: $\leq 0.05\%$

Frequency response: 20Hz~20KHz

Input impedance: low input $10\text{k}\Omega$, high input 18Ω

Output impedance: low level output 100Ω

Peak power: $2\text{CH} \times 160\text{W}$ (bridge $1 \times 160\text{W}$) +

$4\text{CH} \times 80\text{W} + 4\text{CH} \times 50\text{W}$

Signal input (Max) RCA input: 6.5Vpp;

High level input (Max.) : 28Vpp

Signal output (Max) RCA output: 6.5Vpp;

Ambient temperature: $-20 \sim 70^{\circ}\text{C}$

Power supply: DC 9V ~ 16V

Start REM input: High level start (H3+/H3-), ACC start optional

Start REM output: +12V start voltage output (0.2A)

Standby power consumption: $\leq 0.1\text{W}$

Net weight: Approx. 2.0KG (kg)

Product size: 218.0(L) \times 185.5(W) \times 44.0(H)mm

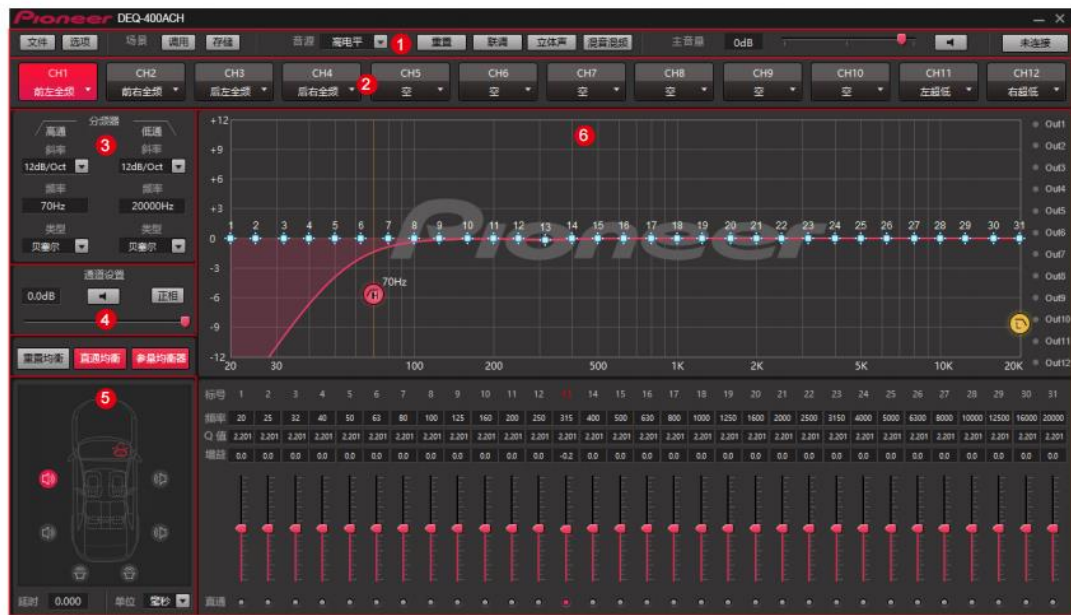
Introduction to the use of PC software

Operation requirements:

Display resolution greater than 1280*768, otherwise it can not fully display the interface, only

DEQ-400ACH
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suitable for Windows operating system laptops, desktop computers and tablets.



1. Menu editing area

Main functions: Load or store computer scene files; Load or save the scenario file. Chinese and English switching, firmware update, factory reset and check

Look at the software version number; Call and storage of preset sound effects; Input sound source selection; Channel reset, syndication, mixing and mixing Settings; Total volume adjustment (adjustable fan

Circumference: Off, -59.9dB~6dB, or click the mute button to mute directly); The machine is connected to the computer for operation.

2. Edit the output channel

Main functions: Output channel type selection.

3. Filter editing area

High-pass and low-pass filter Settings to adjust filter type, frequency, and slope.

4. Output channel editing area

Volume, mute, and phase Settings for the output channel.

5. Delay editing area

Delay value and delay unit Settings.

6. Output EQ editing area

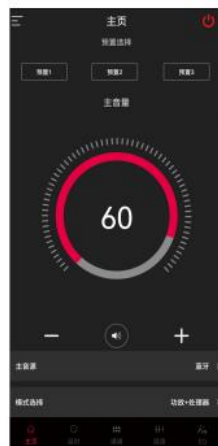
Main functions: balanced setting of output channel, frequency, Q value (response bandwidth), gain (increase or decrease the frequency response amplitude near the frequency point), can be passed through,

Restore and reset the equilibrium; Parametric equalization and graphical equalization switch.

Introduction To The Use Of Mobile Phone Software



Startup page



Home page



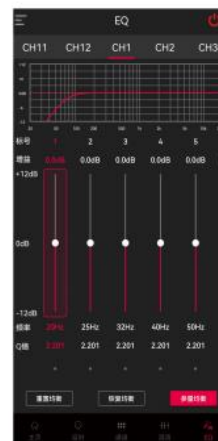
delay



passage



Mixed BY



EQ



GPS warning



Hand potential EQ

1. The software startup page
2. Home interface: Share sound files, save them to mobile phones and other operations; The model and version number of the device and software can be viewed; Perform on the master volume Adjust or mute; Main sound source and mix sound source selection, 6 groups of preset scene file storage and call.
3. Delay interface: sound field positioning output and delay adjustment.
4. Channel interface: Set the output channel type, volume, phase and joint

- modulation; Frequency, type, and slope Settings for high and low pass.
5. Mixing screen: Set mixing Settings for each channel.
 6. EQ interface: Adjust the EQ curve of the output channel, adjustable gain, Q value and frequency; Can pass through, restore and reset the balance operation, set the equalizer Mode.
 7. GPS warning: This software has GPS positioning function, every time the machine is used, you need to use the mobile phone software to connect to the network, use the GPS positioning function to locate. Once the mobile phone software identifies and locates non-mainland areas, the EQ adjustment function will be locked and only the total volume will be opened Adjust and mute functions.
 8. Gesture EQ interface: Slide the corresponding EQ segment, adjust the gain of the channel, and you can direct, restore and direct equalizer operation.

Maintenance, Troubleshooting and Repair:

Before powering on, carefully check whether the connection line is normal, and ensure that all interfaces are properly connected. Common fault diagnosis and handling methods:

In case of failure:

2. If the fault persists, restore the device to the initial value.
3. If it still cannot be repaired: please consult the after-sales service provider recorded in the warranty certificate.

After-sales service telephone: 0757-82962007

NO	Fault phenomenon	Reasons and solutions
1	No electricity	① Is the power connection properly connected? ② Is the startup mode correctly connected?
2	voicelessness	① Is the mute operation enabled? ② Is the signal input channel selected correctly?
3	The USB connection is down	① Is the USB cable properly inserted? ② "HID-compliant device" is found in the ergonomic input device of Computer Device Manager? The device.

FCC Statement

1. This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

(1) This device may not cause harmful interference.

(2) This device must accept any interference received, including interference that may cause undesired operation.

2. Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Note: This equipment has been tested and found to comply with the limits for a class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or

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television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

The device has been evaluated to meet general RF exposure requirement. This equipment should be installed and operated with a minimum distance of 20 cm between the radiator and your body.