






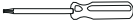







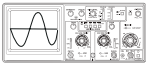
FDST800A

User Manual


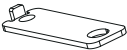



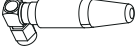



DIGITAL SIGNAL PROCESSING





TOOLS THAT MAY BE NEEDED(DEPENDING ON THE VEHICLE)

Panel Removal Tool 	Socket 	Electric drill 	Torx screwdriver 
Phillips screwdriver 	socket wrench 	Wrench 	Cord cutters 
Crimping Tool 	Wire strippers 	Spectrum analyzer 	Oscilloscope 

PARTS LIST

USB 2.0Wire x1 	Mounting bracker x4 	3x6mm Machine screw x4 
4x20mm screw x4 	Amplifier x1 	Bluetooth Antenna 
Manual x1 		

PRECAUTIONS

 PROHIBITED	Indicates a prohibited action (not allowed)
 PROHIBITED	Indicates that disassembly is prohibited
 MANDATORY	Indicates a mandatory action (must be performed)
	Indicates that your attention should be paid.



WARN

When a problem occurs, please stop using it immediately

Failure to do so may result in personal injury or damage to the product. Please return this product to an authorized Nakamichi dealer or the nearest Nakamichi service center for repair

This product is only suitable for vehicles with 12V negative grounded

Failure to do so may cause accidents such as fire.

Ask professionals for wiring and installation

Wiring and installation of this product require specialized skills and experience. For the sake of safety, please contact the dealer of the product you purchased for installation

Do not disassemble or modify

Failure to do so may result in an accident, fire or electric shock

Small objects such as bolts or screws should be kept out of the reach of children

Swallowing small objects may cause serious injury. If swallowed, seek medical attention immediately.

Do not use any features that distract you while driving

Any operation of machine functions that interfere with attention must be done only after the vehicle has come to a complete stop. Before using these functions, be sure to park the vehicle in a safe area first. Otherwise, accidents may result.

THE VOLUME MUST BE KEPT AT A LEVEL WHERE YOU CAN STILL HEAR OUTSIDE NOISE WHILE DRIVING

Failure to hear emergency vehicle sirens and road warning signals (train crossings, etc.) is very dangerous and may lead to accidents. In addition, excessive volume may cause hearing damage.



PROHIBITED

Product cleaning

Please clean this product regularly with a dry soft cloth. If the dirt is difficult to remove, just dampen a soft cloth with water. Any other solvent may dissolve.

Temperature

Before turning on the unit, please make sure that the temperature in the car is between +60°C and -20°C.

Maintenance

If you encounter a problem do not repair it yourself, please return this product to an authorized Nakamichi dealer or the nearest Nakamichi service center for repair.

System matching

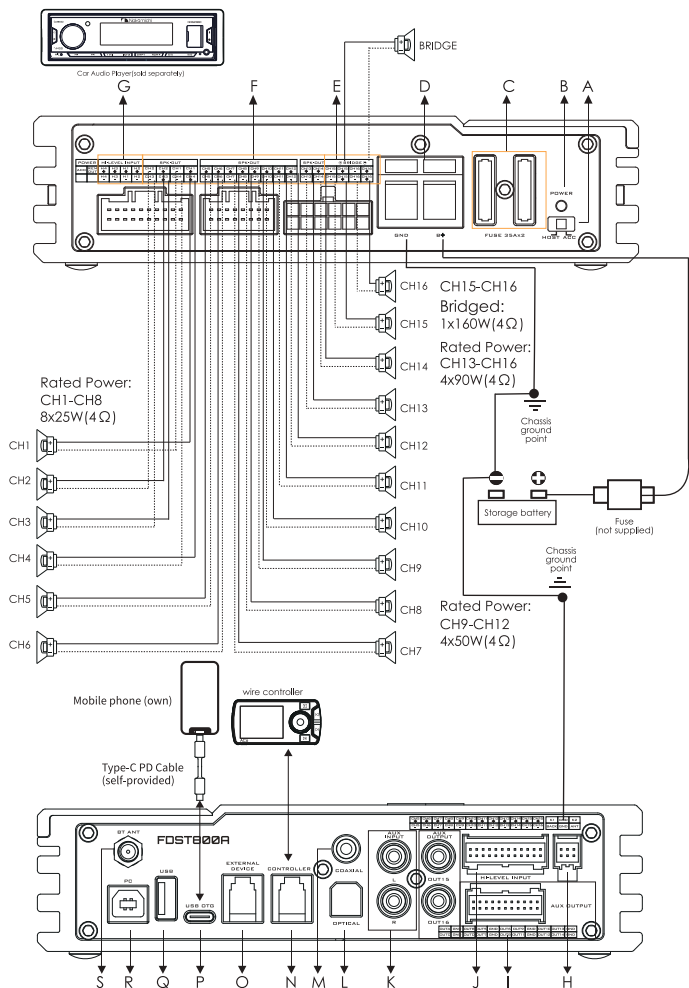
When using FDST800A to distribute signals to speakers by active frequency division, please ensure that the treble frequency division point is above 1500Hz, so as not to damage the tweeter.

Installation location

This machine cannot be installed in any of the following places:

- Near direct sunlight and heat sources
- Places with high humidity and near water sources
- Dusty places
- places with severe vibration

MACHINE INTERFACE DIAGRAM



MACHINE INTERFACE AND FUNCTION INTRODUCTION

A. Machine start mode switch: When the switch is switched to the "ACC" end, the ACC starts the machine, when it is switched to the "HOST" end, the high level H1+/H1- input signal starts the machine.

B. Power Indicators

C. Fuse

D. GND(-)=Ground/B+=power supply

Connect the terminal to the positive terminal of the vehicle battery or to the positive terminal of the isolated audio system battery via a fuse or circuit breaker.

* Before connecting the power supply, you must know the power supply requirements of the power supply composite design, and connect in strict accordance with the instructions of the equipment. Otherwise, the equipment may be damaged and accidents such as fire, electric shock, etc. may occur.

E. Speaker output ports can be Bridged

* "+" is positive pole or positive phase; "-" is negative pole or reverse phase.

* Only the link is limited to the special line selected by the original car, or the user can define the external wiring material by himself,

F. Speaker output ports

* "+" is positive pole or positive phase; "-" is negative pole or reverse phase.

* Only the link is limited to the special line selected by the original car, or the user can define the external wiring material by himself,

G. High level input port

* "+" is positive pole or positive phase; "-" is negative pole or reverse phase.

H. Steering wheel and reverse detection port

I. AUX low level output port

Low-level input, link up to 20-channel low-level signal output.

J. High level input port

* "+" is positive pole or positive phase; "-" is negative pole or reverse phase.

K. High level input port

Hi-level RCA input, link up to 2-channel Hi-level signal input.

L. Optical fiber input port

Connect the car CD or DVD fiber optic cable, switch the audio source of the machine to digital input, and play the fiber optic digital signal.

M. Coaxial input port

Connect the car CD or DVD coaxial cable, switch the machine audio source to digital input, and play coaxial digital signal.

N. Controller port

Data call and total volume can be adjusted through the wire controller.

O. Expand device interface, connect extended Bluetooth devices, connect APTX mobile phones to play high-quality music.

P. USB OTG port

Plug in the OTG adapter and the phone's Type-C cable (Apple's Lightning port requires a Type-C OTG cable). Connect your phone. Select mobile OTG audio source on the machine to play mobile digital audio. The phone charges simultaneously. (Support format attachment form)

Q. USB port

Insert the USB flash drive. Select USB audio source on the machine, play USB flash drive multi-format and lossless songs. (Support format attachment form)

R. PC port, link to computer debugging software

S. Bluetooth receiving antenna

SOFTWARE INTRODUCTION

PC Software Operation Introduction

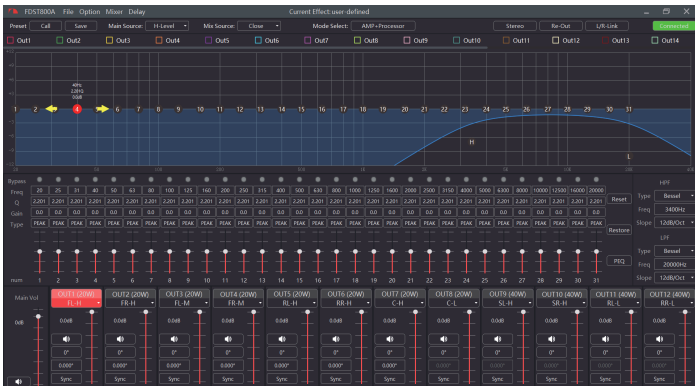
(PC can be downloaded from the official website (<http://www.nakamichicaraudio.com>, Downloads))

Computer Configuration Requirements: Screen resolution higher than 1280 x 768, otherwise the software UI is incomplete, only suitable for windows operation system laptop, desktop and pads

TUNING SOFTWARE DOWNLOAD METHOD

Method 1: Web page address: <http://nakamichicaraudio.com/pages/downloads/FDSTSeries>

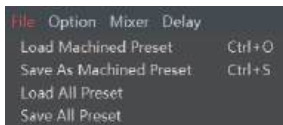
Method 2: Scan the QR code on the left to get the download address of the tuning software, FDST Series



A. MENU EDITING AREA

Main functions: scene, option, time-lapse, Mixing, Master source switch.

* Click "File" to load the scene file on the computer, save it as the scene file on the computer, Load the machine scene and save the machine scene.

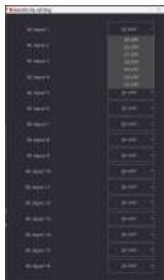


SOFTWARE INTRODUCTION

* Click "Options" to pop up the drop-down list, select Language, Reversing Volume, Vocal Enhancement, Dynamic bass, Noise Gate, Restore Factory Settings, Input Vol, Boot Default Source, Master SRC Attenuation Ratio, On-Off Delay, Power Saving Mode, Encryption, Steering Wheel Control, Sensitivity Setting, Firmware Upgrade, About



* Click "on sensitivity settings", there are 7 high input sensitivity settings available, including 20VPP, 26VPP, 32VPP, 38VPP, 44VPP, 50VPP, and 56VPP to choose from

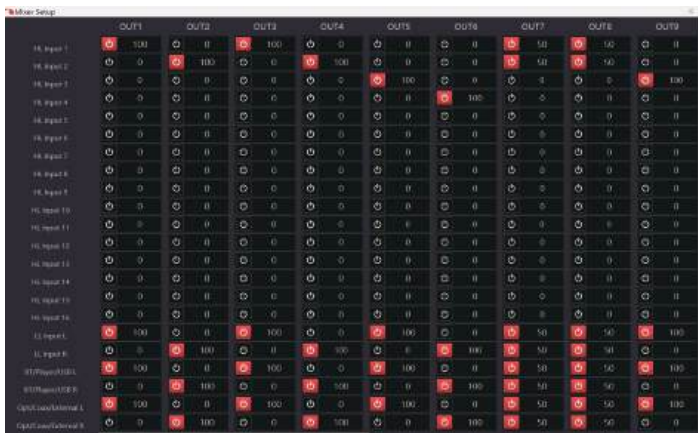


* Click "Delay", pop-up window, you can set the CH1-CH16 channel delay
Delay range: ms range: 0.000-20.000; Cm range: 0.00-692.00; Inch range: 0.00-273.00.

SOFTWARE INTRODUCTION



* Click "Mix", the pop-up window can set the mixing effect of the left and right channels of the CH1-CH16 channel Range: 0 to 100.



B. FUNCTION EDITING AREA

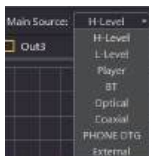
Main functions: recall or storage of preset sound effect files, main sound source and mixed sound source selection, mode selection, reset output type, output joint tuning and software connection.

SOFTWARE INTRODUCTION

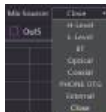
* Click "Recall" or "Store" to recall or store 6 groups of preset sound effect data.



* Click "Main audio source", pop-up drop-down list, you can select high level, low level, player, Bluetooth, fiber optic, coaxial, mobile OTG, external audio source



* 5.* Click "Mix source" to pop up the drop-down list, you can select high level, low level, player, Bluetooth, fiber optic, coaxial, mobile OTG, External audio source is optional.



* Click "Power amplifier + Processor Mode" to switch to "processor mode".

* Click "Reset Output" to clear the current channel type or restore the factory default channel values.

* Click "Output synchro" to select synchro test, copy from left to right or from right to left.

* Click "Not Connected" to connect the software, * click "Connect" to disconnect the software.



Note: You need to use a USB2.0 cable to connect the computer and the machine to operate!

C. TOTAL VOLUME AND OUTPUT CONFIGURATION EDITING AREA



The main function:

Master volume adjustment and output channel configuration, volume adjustment, mute, forward and reverse switching and delay settings.

* Main volume: Adjustable range: Off, -59dB-6dB, click on the speaker to mute the main volume.

* Channel type: Click the channel type drop-down box to configure the output channel type.

SOFTWARE INTRODUCTION

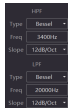
- * Channel volume: adjustable range: off, -59,9dB-0.0dB, click on the speaker to mute the channel.
- * Phase: Click "Normal Phase" to switch to "Reverse Phase".
- * Delay: Delay units are available in milliseconds, centimeters and inches.
Adjustable range: 0.000 to 20 ms, 0 to 692 cm, 0" to 273".

D. CHANNEL DIVIDER EDITING AREA

Main function: channel high and low pass frequency division setting

Adjustable: filter type, frequency Slope (slope or Q value).

- * Frequency adjustable range: 20Hz-40kHz, high pass frequency \leq low pass frequency
- * Type: Butterworth, Bessel, Nink-Sharp
- * Slope: 6, 12, 18, 24, 30, 36, 42, 48 and OFF, the unit is dB/Oct.



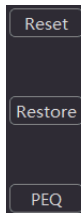
E. EQUALIZER EDITING AREA

- * Click "Reset" button: used to restore the parameters of the 31 band equalizer to their original state

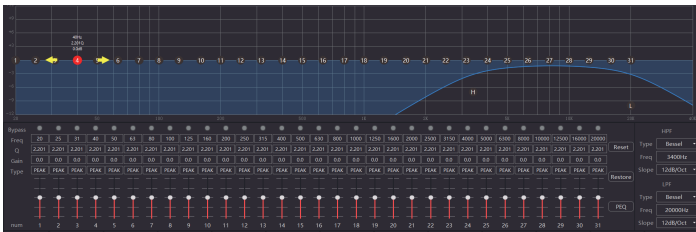
Direct mode (the frequency, Q value, and gain of the equalizer are restored to their initial values).

- * Parameter button: used for frequency and Q value adjustment; The corresponding icon is the frequency and Q value are not adjustable.

- * Direct "button: Click the "Restore" button to restore 31 EQ points
The gain is at the 0.0 position.
As long as there is a position that is not 0.0, it is called 'direct'.



F. CHANNEL EQ EDITING AREA



Main function configuration: balanced design of current output channel, 31 frequency bands can be adjusted: frequency, Q value (response bandwidth) and gain (increase or decrease the frequency response range near the frequency point).

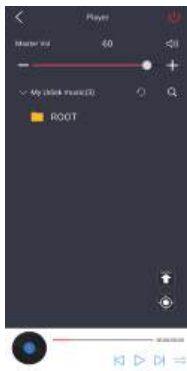
APP SOFTWARE INTRODUCTION

How to download the APP:

1. Apple mobile phone users need to search for the name "FDST Series" in the Apple market.
2. Android mobile phone users
Method 1: Log in to the web page <http://www.nakamichicaraudio.com> and download FDST Series
Method 2: Search the name "FDST Series" on Google Play and download



Home Page



Player



Delay



Output



Mixer



EQ

PRODUCT TECHNICAL DATA

PRODUCT PARAMETERS

Harmonic distortion	≤1%
Input resistance	High level:240Ω
Signal input range	RCA:7Vpp;High level:28Vpp
Signal output range	RCA:7Vpp
Use environment humidity	-20~+60°C
Power supply	DC8V~16V
REM Input	High level signal input:FL+/FL- OR ACC Control cable
REM Output	+12V Startup Voltage output
Standby power consumption	≤0.1W
Net weight	Approx2.65kg
Product Size(L×W×H)	280×190×46mm

All specifications are subject to change without notice.

FUNCTION PARAMETER

Input signal type	16 channel high level,2 channel low level, support for internal Bluetooth, fiber optic, coaxial and USB music Playback, external Bluetooth and mobile OTG playback
Output signal type	16-channel low level, 16-channel high level 25Wx8+50Wx4 +90Wx4 RMS power,CH15-CH16 bridge power 160W
Output gain	Gain range: mute, -59dB~6dB
Output signal equalizer	31-band EQ for every channel: 1. Frequency range: 20Hz~40KHz; resolution: 1Hz 2. Q value (slope and slope): 0.404~28.852 3. Gain: -12.0dB+12.0dB, resolution: 0.1 dB
Output Signal Divider	Equipped with high and low pass filters. 1. Professional filter type: Butter-w, Bessel, Link-Ril 2. Filter Crossover Point: 20Hz~40kHz, Resolution 1HZ 3. Filter Slope Setup: 6dB/Oct~48dB/Oct
Output Phase and Latency	Adjust phase and time alignment for every output channel;In Phase or Out Phase(0-180);Time Alignment: .000 to 20.000 milliseconds, 0 to 692 cm, 0 to 273 inches
Scene operation	Save 6 presets into the device

AUDIO FORMATS SUPPORTED BY USB PLAYBACK

Format	Bit rite	Sampling Rate
AAC	16bit	8k/11025/12k/16k/22050/24k/32k/44100/48k
APE	16bit	8k/11025/12k/16k/22050/24k/32k/44100/48k
MP3	16bit	8k/11025/12k/16k/22050/24k/32k/44100/48k
WAV	wav 16/24/32bit pcm,4bit imadpcmmsadpcm	8k/11025/12k/16k/22050/24k/32k/44100/48k
WMA	16bit	8k/11025/12k/16k/22050/24k/32k/44100/48k
FLAC	16bit	8k/11025/12k/16k/22050/24k/32k/44100/48k

PRODUCT TECHNICAL DATA

FEATURE :

360° Bass Phase Adjustment	Support Power Saving Mode
Reverse Volume Control	Support USB Playback
Support All Pass	Built-in 5.3 BT
Support High Shelving	USB Lossless music playback
Support For Low Shelving	7-band high-level input gain adjustment
Support Startup Delay	Phone OTG playback
Support Shutdown Delay	

QUICK CONTROL :

Steering Wheel Control
Mobile APP
LCD Control Panel

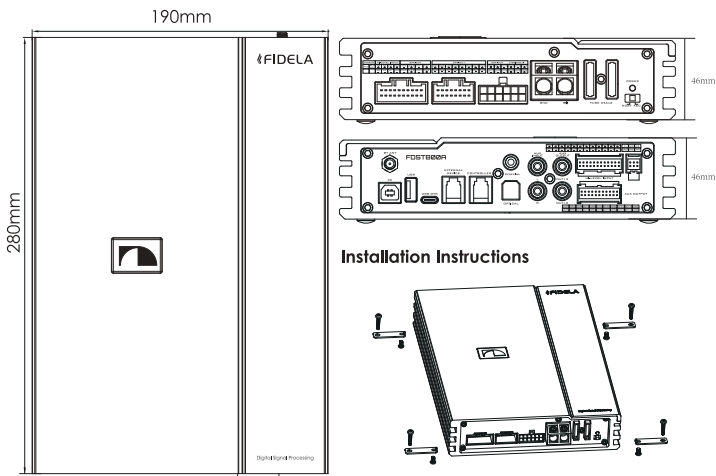
INPUT :

2 CH Low-Level USB
16 CH High-Level Mobile OTG
Optica Bluetooth
Coaxial Expansion device

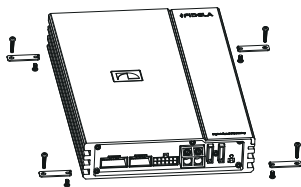
OUTPUT :

16 CH High-Level
16 CH Low-Level












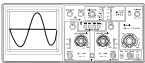
Dimensions(Unit: mm)








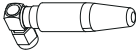

Installation Instructions







可能需要的工具(视车辆而定)

面板拆卸工具 	插座 	電鑽 	梅花螺絲刀 
十字螺絲刀 	套筒扳手 	扳手 	剪線鉗 
壓線鉗 	保險鉗 	频谱分析器 	示波器 

配件清單

USB 2.0線×2 	安裝支架×4 	3×6mm機械螺絲×4 
4×20mm自攻螺絲×4 	主机×1 	藍牙天線 
說明書×1 		

注意事項

 禁止	表示禁止的動作（不得進行）。
 禁止	表示禁止拆卸。
 強制	表示具有強制性的操作（必須執行）。
 警告	表示應引起您高度注意。

警告

出現問題時,請立即停止使用

否則可能會導致人身傷害或本產品損壞。請將本產品送回到授權的Nakamichi經銷商或附近的Nakamichi服務中心修理。

本產品只適用於12V負極接地的汽車

否則可能會引起火災等事故。

請專業人員進行配線和安裝

本產品的配線和安裝需要專業技術和經驗。為了安全起見,請聯繫您所購買產品的經銷商進行安裝。

請勿拆卸或改裝

否則可能會導致意外事故、火災或觸電。

螺栓或螺絲等小物體應放在兒童不易觸及的地方

吞下小物體可能會導致嚴重傷害。一旦誤吞,請立即就醫。

請勿使用會使您在駕車時分心的任何功能

任何影響注意力的機器功能的操作都要等完全停住汽車之後才做。要使用這些功能時,一定先把車輛停放在安全地帶。否則,將可能導致意外事故。

駕駛中必須將音量保持在還能聽到車外雜訊的水準

聽不清緊急車輛警報聲和道路警告信號(火車交叉口等)是非常危險的,並可能會導致事故發生。另外,音量過大還可能會導致聽力損傷。

注意

產品清潔

請使用幹的軟布定期清潔本產品。若汙物較難清除,請僅用水將軟布浸濕。其它任何溶劑都可能溶解。

溫度

開啟本機之前,請確保汽車中溫度在+60°C和-20°C之間。

維修

如果您遇到問題請勿自行修理,請將本產品送回到Nakamichi授權經銷商或附近的Nakamichi服務中心修理。

系統匹配

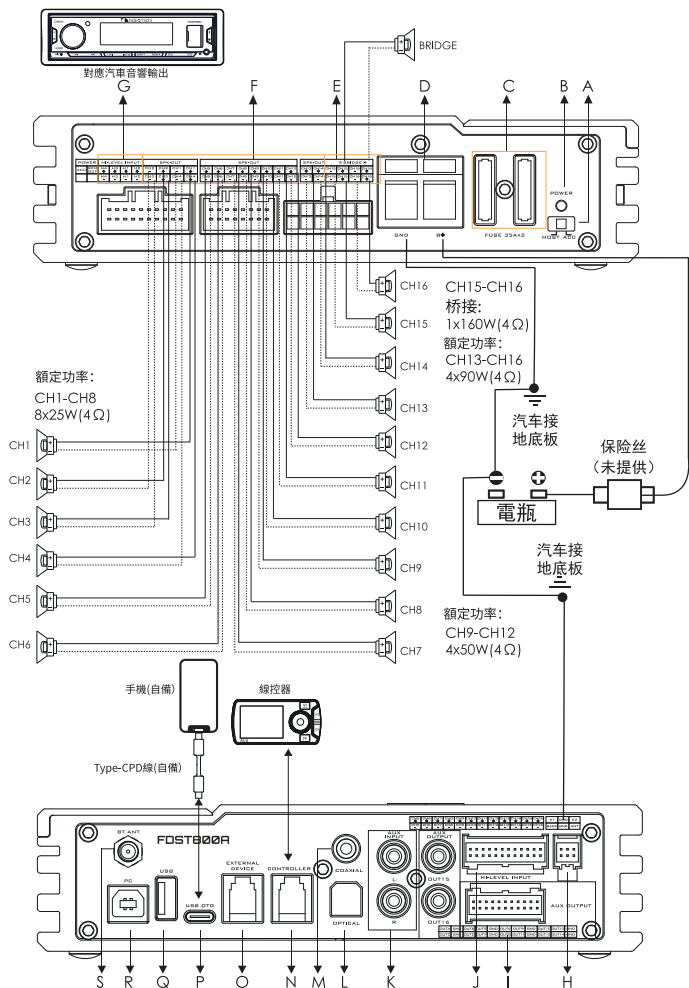
當使用FDST800A採用主動分頻方式為揚聲器分配信號時,請保證高音的分頻點在1500Hz以上,以免損壞高音揚聲器。

安裝位置

本機不可安裝於下列任何場所:

- 陽光直射和熱源附近
- 溫度很高的地方和水源附近
- 多塵場所
- 劇烈振動的場所

機器接口示圖



機器接口及功能介紹

A. 機器啟動方式開關: 開關撥至“ACC”端時, 由ACC 啟動機器, 撥至“HOST”端時, 由高電平H1+/H1-輸入信號啟動機器。

B. 電源指示燈

C. 保險絲

請勿使用其他值的保險絲, 切勿使用電線或者硬幣更換保險絲。

D. GND(-) = 接地 / B+ = 電源

*使用HI-INOUT時, 放大器可以檢測到高電平輸入信號的直流偏移, 從而自動打開或關閉放大器。放大器打開時, REM端子將輸出+12V DC, 以控制其他設備的開啟或關閉。使用低電平輸入時, 放大器REM-IN 應該連接到信號源單元的REN-OUT。源單元將控制放大器自動打開或關閉。

*通過保險絲或電路斷路器將該端子連接到車輛電池的正極或隔離音訊系統電池的正極。

E. 喇叭輸出端口--可橋接

* “+” 為正極或正相, “-” 為負極或反相。

* 只連接僅限於原車選配的專車專用線, 或者用戶可以自己定義外部連接材料。

F. 喇叭輸出端口

* “+” 為正極或正相, “-” 為負極或反相。

* 只連接僅限於原車選配的專車專用線, 或者用戶可以自己定義外部連接材料。

G. 高電平輸入端口

* “+” 為正極或正相, “-” 為負極或反相。

H. 方向盤與倒車檢測端口

I. AUX低電平輸出端口

低電平輸出, 最多連接20聲道低電平信號輸出。

J. 高電平輸入端口

* “+” 為正極或正相, “-” 為負極或反相。

K. AUX低電平輸入端口

低電平RCA輸入, 最多連接2聲道低電平信號輸入。

L. 光纖輸入端口

連接車載CD或者DVD光纖線, 將機器音源切換至數位輸入, 可播放光纖數位信號。

M. 同軸輸入端口

連接車載CD或者DVD同軸線, 將機器音源切換至數位輸入, 可播放同軸數位信號。

N. 線控器端口

可以通過線控器進行資料調用、總音量大小調節。

O. 擴展設備接口, 連接擴展藍牙設備, 連接APT-X手機播放高品質音樂。

P. USB OTG端口

插入OTG轉接頭和手機Type-C線 (蘋果Lightning界面需要Type-C OTG線) 連接手機。

在機器選擇手機OTG音源, 播放手機數位音頻。手機同時充電。(支持格式附件表格)

Q. USB端口

插入U盤。在機器選擇USB音源, 播放U盤多格式和無損歌曲。(支持格式附件表格)

R. PC端口, 連接到電腦調試軟體

S. 藍牙接收天線

軟件介紹

PC軟件使用介紹

(PC可在官網([https://nakamichicaraudio.com/CONTACT -- Downloads](https://nakamichicaraudio.com/CONTACT--Downloads)) 下載)

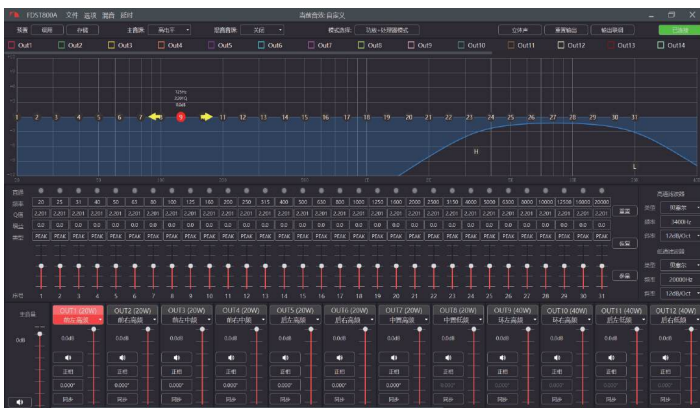
電腦配置要求：顯示器解析度大於1280*768，否則不能完全顯示介面，只適應於Windows作業系統手提電腦、桌上型電腦和平板電腦。

調音軟體下載方式



方法1: 網頁地址:<http://nakamichicaraudio.com/軟件下載>, 下載FDST Series

方法2: 掃有左邊二維碼獲取調音軟體下載位址, 下載FDST Series



A、菜單編輯區



主要功能：文件、選項和混音設置。

*點擊“文件”，可載入電腦上場景檔、保存為電腦上場景檔上、載入整機場景、保存整機場景。

加载 电脑上场景文件	Ctrl+O
保存为 电脑上场景文件	Ctrl+S
加载 整机场景	
保存 整机场景	

軟件介紹

*點擊“選項”，彈出下拉清單，選擇語言、倒車音量、人聲增強、動態低音、噪声門、恢復出廠設置、輸入音量、開機預設音源、主音源衰減比例、開關機延時、省電模式、加密、方向噪声門盤學習、靈敏度設置、固件升級、關於。



*點擊“靈敏度設置”，有7段高輸入靈敏度可設置，有20VPP、26VPP、32VPP、38VPP、44VPP、50VPP、56VPP可選。

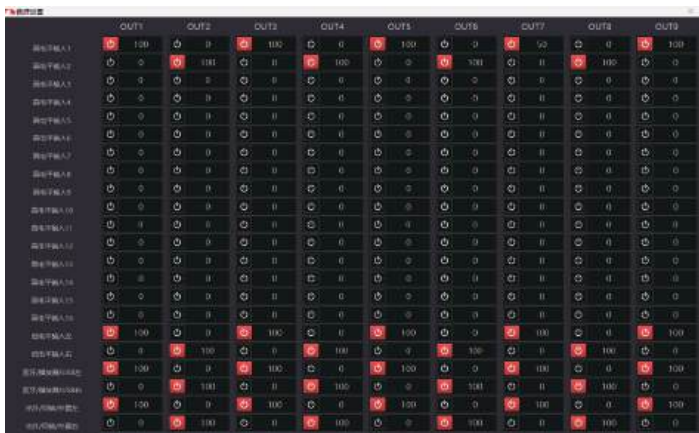


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*點擊“延時”，快顯視窗，可以設置CH1-CH16通道的延時延時範圍：
毫秒範圍：0.000-20.000；釐米範圍：0.00-692.00；英寸範圍：0.00-273.00。



*點擊“混音”，快顯視窗，可以設置CH1-CH16通道的左右聲道混音效果范围：0-100。



B、功能編輯區



主要功能：預置音效檔調用或存儲、主音源和混音音源選擇、模式選擇、重置輸出類型、輸出聯調和軟體連接。

*點擊“調用”，或“存儲”，可調用或存儲6組預置音效資料。



*點擊“主音源”，彈出下拉清單，可選擇高電平、低電平、播放機、藍牙、光纖、同軸、手機OTG、外置音源可選。



*點擊“混音音源”彈出下拉清單，可選擇高電平、低電平、播放機、藍牙、光纖、同軸、手機OTG、外置音源可選。



*點擊“功放+處理器模式”可切換為“處理器模式”。

*點擊“重置輸出”可清空當前的通道類型或恢復出廠設置默認通道值。

*點擊“輸出聯調”可選擇聯調同步試，從左複製到右或從右複製到左。

*點擊“未連接”可連接軟體，*點擊“已連接”可斷開軟體。



注：需用USB2.0線連接電腦與機器方可操作！

C.總音量和輸出配置編輯區



軟件介紹

主要功能：

主音量調整和輸出通道的配置、音量調整、靜音、正反相切換和延時設置。

*主音量：可調節範圍：開關、-59dB~6dB,點擊喇叭可使主音量靜音。

*通道類型：點擊通道類型下拉清單可配置輸出通道類型。

*通道音量：可調節範圍：開關、-59dB~0.0dB,點擊喇叭可使通道靜音。

*相位：點擊“正相”可切換“反相”。

*相位角度：需要根據通道類型來開啟，當通道類型是高頻和超低時才可調節，範圍：0.000°-354.375°。

D、通道分頻器編輯區

主要功能:通道高低通分頻設置

可調：濾波器類型、頻率、斜率(坡度或者Q值)。

* 頻率可調範圍20Hz-40kHz，高通頻率≤低通頻率。

* 類型分為巴特沃斯、貝塞爾、寧克-銳。

* 斜率分為6、12、18、24、30、36、42、48和OFF，單位是dB/Oct。



E、均衡器編輯區

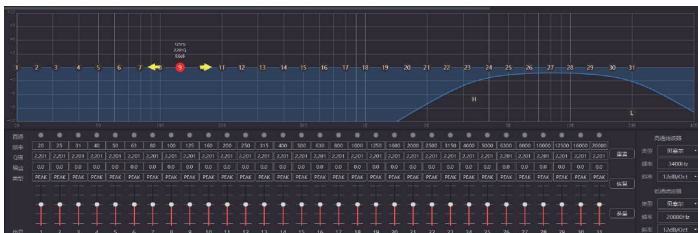
* “重置”按鈕：用於將31頻段均衡器的參數恢復到原始直通模式(均衡器的頻率，Q值和增益恢復為初始值)。

* “參量”按鈕：用於頻率和Q值調節；對應的圖示即頻率和Q值不可調節。

* “直通”按鈕：點擊“恢復”按鈕，恢復31段EQ點的增益在0.0的位置上，對應直通只要有一個不為0.0位置上時，就為“直通”。



F、通道EQ編輯區



主要功能配置：電流輸出通道的均衡設計，31頻段均衡可調：頻率，Q值（響應帶寬）和增益（增加或減小頻率點附近的頻率響應幅度）。

下載APP方：

一.蘋果手機用戶需蘋果市場搜索名稱“FDST Series”。

二.安卓手機用戶

方法1：登錄網頁<http://nakamichicaraudio.com/pages>下載FDST Series

方法2：在Google Play搜索名稱FDST Series,並下載



主頁



播放機



延時



通道



混音



EQ

產品技術數據

產品參數

諧波失真	≤1%
輸入阻抗	高電平:240Ω
信號輸入範圍	RCA: 7Vpp;高電平: 28Vpp
信號輸出範圍	RCA: 7Vpp
使用環境溫度	-20~+60°C
電源	DC8V~16V
REM輸入	高電平信號輸入: FL+/FL-或者ACC控制線
REM輸出	+12V啟動電源輸出
待機功耗	≤0.1W
淨重	約2.65kg
產品尺寸(L×W×H)	280×190×46mm

所有規格如有更改恕不另行通知。

功能參數

輸入信號類型	16通道高電平,2通道低電平,支持內部藍牙、光纖、同軸和USB音樂播放、外置藍牙和手機OTG播放
輸出信號類型	16聲道低電平,16聲道高電平額定功率25Wx8+50Wx4+90Wx4 , CH15~CH16橋接功率160W
輸出贈與	增益範圍: 靜音, -59dB~6dB
輸出信號均衡器	31斷均衡器引擎: 1.頻率範圍: 20Hz~40KHz;解析度: 1Hz 2.Q值(斜坡和坡度): 0.404~28.852 3.增益: -12.0dB+12.0dB,解析度: 0.1dB
輸出信號分頻器	配有高通和低通濾波器。 1.專業過濾器類型: 巴特沃斯(Butter-w),貝塞爾(Bessel),寧克-銳(Link-Ril) 2.濾波器分頻點: 20Hz~40kHz,分辨1Hz 3.濾波器斜率設置: 6dB/Oct~48dB/Oct
輸出相位和延遲	調整每個輸出通道的相位和時間對齊方式: 正相或反相(0°-180°);延時範圍: 0.000到20.000毫秒, 0到692厘米, 0至273英寸。
場景操作	機器可保存6種預設音效

USB播放支持的音頻格式

格式	比特率	采样率
AAC	16bit	8k/11025/12k/16k/22050/24k/32k/44100/48k
APE	16bit	8k/11025/12k/16k/22050/24k/32k/44100/48k
MP3	16bit	8k/11025/12k/16k/22050/24k/32k/44100/48k
WAV	wav 16/24/32bit pcm,4bit imadpcmmsadpcm	8k/11025/12k/16k/22050/24k/32k/44100/48k
WMA	16bit	8k/11025/12k/16k/22050/24k/32k/44100/48k
FLAC	16bit	8k/11025/12k/16k/22050/24k/32k/44100/48k

產品技術數據

特色功能：

360度低音無相位調節	支持低棚架濾波	內置5.3藍牙
倒車音量控制	支持開機延時	USB無損音樂播放
支持全通濾波	支持關機延時	7段高電平輸入增益調整
支持高棚架濾波	支持省電模式	手机OTG播放
支持USB播放		

便捷控制：

原車方控
手機APP
LCD控制面板

輸入：

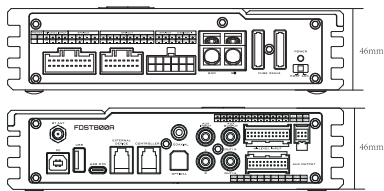
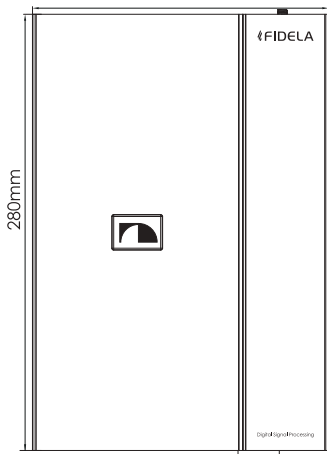
2路低電平 USB
16路高電平 手機OTG
光纖 藍牙
同軸 擴展設備

輸出：

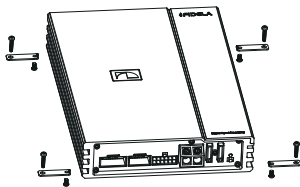
16路高電平
16路低電平

產品尺寸：

190mm



安裝說明：





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INSTRUCTIONS & SOFTWARE DOWNLOADS AND WARRANTY REGISTRATION.

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