Nakamichi

FDSK530A PRO
User Manual

DIGITAL SOUND PROCESSOR

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
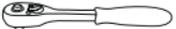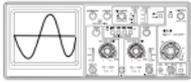
PARTS LIST

USB 2.0 Wirex1	Mounting bracket x2	3x8mm screw×4
4x20mm screw×4	Amplifierx1	Fuse 30Ax1
Manualx1	16p Cable	4p Cable

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.

⚠️ WARNHNG

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 verydangerous 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 +70°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 ⚠️

IWhen using FDSK530A PRO 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.

Sinstallation 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

INSTALLATIONINSTRUCTION AS BELOW
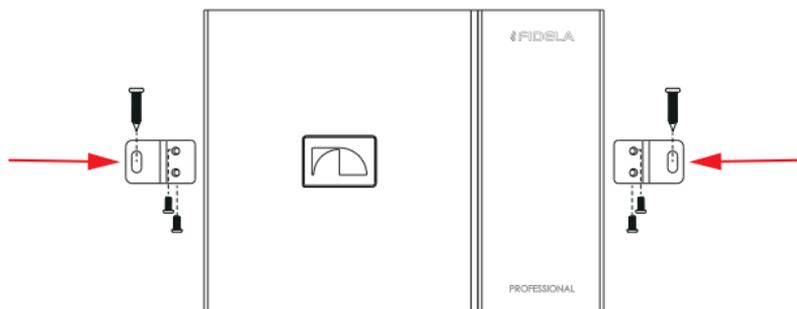
The Mounting Brackets Is Attached To The Bottom Of The Fuselage

Car Audio Player(sold separately)

F

G **H** **I**

Fuse
(not supplied)

J

K

Battery

L

Chassis
ground
point

MAX Power:8 x70W

wire controller(Optional)

A   **B** **C** **E**

D

FOSKG30R PRO

External Bluetooth box
(Optional)
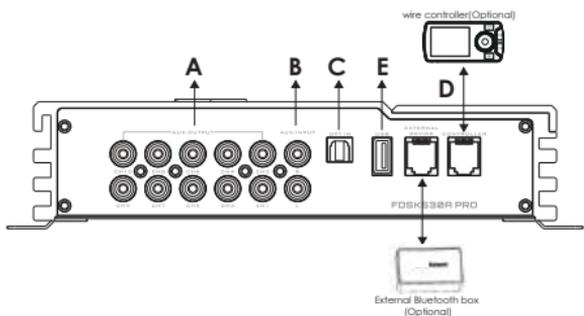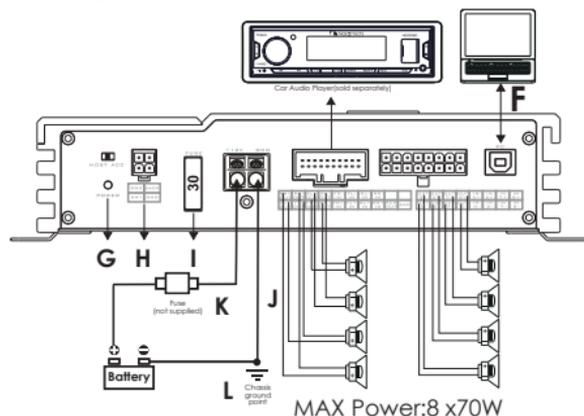
A. AUX low level output port
Low-level RCA output, link up to 10-channel low-level signal output.
B. AUX low level input port
Low-level RCA input, link up to 2-channel low-level signal input.

MACHINE INTERFACE AND FUNCTION INTRODUCTION

C. Optical linput port
Connect the car CD or DVD optical cable, switch the machine audio source to digital input, and play optical digital signal.
D. Controller port
Data call and total volume can be adjusted through the wire controller.
E.USB port
Insert the U disk, and play the songs in the U disk under the audio source of the player.
F. PC port, link to computer debugging software

No need to download driver installation, the sound software linked to the computer will be installed automatically.

G.Power Indicator

H.Steering wheel and reversing detection port

I. Fuse

Do not use fuses of other values, and do not use wires or coins to replace fuses.

J.GND(-)=Ground

When using HI-INPUT, the amplifier can detect the DC offset of the high-level input signal, so it will automatically turn on or turn off the amplifier. When the amplifier is turned on, the REM terminal will output +12V DC to control the opening of other devices on or off. When using a low level input, the amplifier REM-IN should be connected to the REN-OUT of the signal source unit.The source unit will control the amplifier to turn on or off automatically.

K.+12V=power supply

L.Link this terminal to the positive terminal of the vehicle battery or isolate the positive terminal of the audio system battery through a fuse or circuit breaker.

M. High level input and output ports

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

* 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,

* 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.

SOFTWARE INTRODUCTION

PC Software Operation Introduction

TUNING SOFTWARE DOWNLOAD METHOD

Method 1: Wed page address: http://nakamichicaraudio.com/ pages/ downloads FDSK530A PRO

Method 2: Scan the QR code on the left to get the download address of the tunong software. FDSK530A PRO
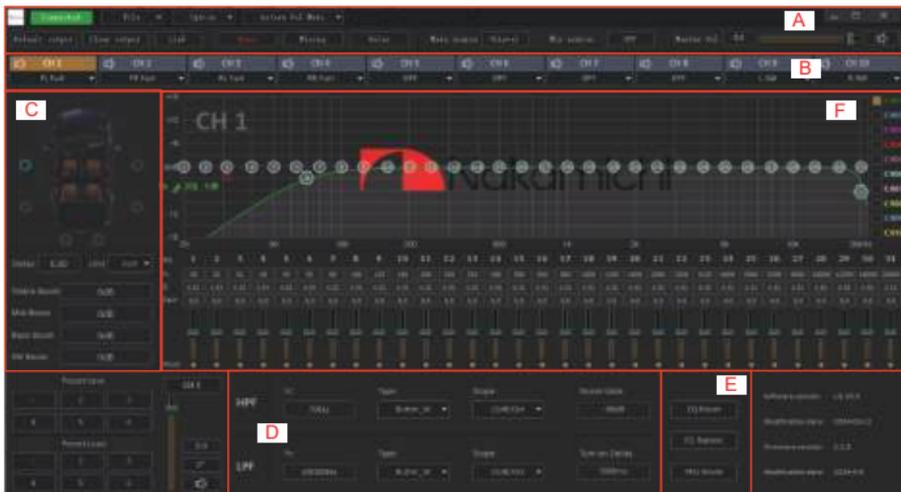
A. MENU EDITING AREA

Main features: File, Option,Astern Vol Mute,Defualt output,Clear output,Link, Home,Mixing,Delay,andinput source selection operations.

* Click the "File" pop-up window and choose to load the scene on the computer, save it as a scene on the computer, load the scene of the whole machine or save the scene of the whole machine.

*click"Option"pop-up window select Steering Wheel Control Learning，Factory Reset, Update Firmware，Language，Admin Login，Password Modify and About.

*Click "Astern Vol Mute" to select mute and 1/4, 1/3, 1/2, 3/4 volume selection.

SOFTWARE INTRODUCTION

* Click "Mixing" for mixing interface, the interface may enter the corresponding mixing input source by switching, high level interface is as follows.

* Click on the Main source pop-up list to select the input source. Bluetooth, Hi Level,AUX-,Player,Optical and COAX.

* Click on the Mix source pop-up list to select the mix source. Bluetooth, Hi Level,AUX,Player,Optical,COAX and OFF.

* Note: The mixed audio source cannot be the same as the main audio source. If the main audio source is AUX, the AUX of the mixed audio source cannot be selected When the audio source for mixing is X (X can be any audio source), X is also selected for the main audio source.The audio source will automatically turn OFF.

*Click the "Default output",The output configuration will be reset.

*Click the "Clear output" The output configuration will be cleared.
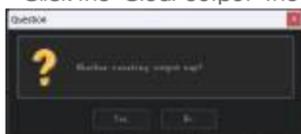
*Slide left and right to adjust the master volume.
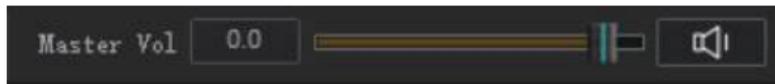
Click "Not connect": You can use the PC to link to the host, and the connection status is divided into not connected, connect and connected,There will be different colors to distinguish.

SOFTWARE INTRODUCTION

B. CHANNEL SELECTION AREA

MAIN FUNCTION: CONFIGURE THE TYPE OF OUTPUT CHANNEL

* If there is a conflict in the output channel, it will be grayed out. If the channel is empty, it will be muted.

C. CHANNEL DELAY, VOLUME, PHASE EDITING AREA

* Volume adjustment: Push the fader left and right to adjust the volume of the sound, or input a value or scroll the mouse wheel in the volume input box to adjust the volume. Click the horn button to switch to mute.
* Positive and negative phase adjustment: Click [Normal phase] or [Reverse phase] to switch between normal phase and reverse phase.
* Delay range: mm range: 0.000~25.000; cm range: 0~850; inch range: 0~334.65
* Delay unit: Click the drop-down list to select milliseconds, centimeters and inches.
* Phase angle: It needs to be turned on according to the channel type, and it can only be adjusted when the channel type is high frequency and ultra low.

D. CHANNEL DIVIDER EDITING AREA

Main function: channel high and low pass frequency division setting

Adjustable: filter type, frequency point and Q value (slope or sharp slope).
* Frequency adjustable range: 20--20000, high pass frequency ≤ 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

* "Reset EQ" button: It is used to restore the parameters of the 31-band equalizer to the original direct mode (the frequency, Q value and gain of the equalizer are restored to the initial values).
* "Parametric EQ" button: used to adjust the frequency and Q value; the corresponding graphic equalizer means that the frequency and Q value cannot be adjusted.
* "Straight through equalization" button: restore the equalization at 0.0 position of the gain of the 31 off EQ points; the corresponding straight through equalization is a straight through equalization as long as there is a position other than 0.0.
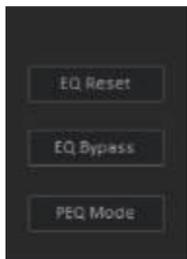
F. CHANNEL EQ EDITING AREA
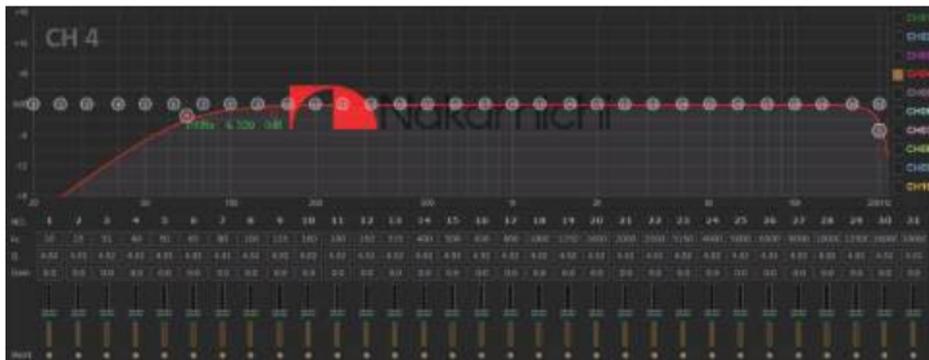
Main function configuration: balanced design of current output channel, 31 frequency bands can be adjusted: frequency, Q value (response bandwidth) and gain (increase or decrease the frequency response range near the frequency point).

SOFTWARE INTRODUCTION

HOW TO DOWNLOAD THE APP:

1. Apple mobile phone users need to search for the name "FDSK530A PRO" in the Applemarket.

2.Android mobile phone users

Method 1: Log in to the web page http://www.nakamichicaraudio.com,Downloads and download FDSK530A PRO

Method 2: Search the name "FDSK530A PRO" on Google Play and download

HOME   AISLE   REMIX

1. Main interface

You can share sound effects, save audio sound effects, play local sound effects, check the model and version number of the machine and exit the software operation; encrypt data; store and recall 6 groups of preset scenes.

A. Connection status: Black means not connected, red means connected.

B. Scene preset: There are 1~6 presets to output delay adjustment.

C.Audio source options are: Bluetooth, optical fiber, coaxial, USB options

D. Volume adjustment:
press and hold the volume scale clockwise or counterclockwise to adjust the volume. The main volume range is 0~66, The subwoofer

range:0~60, The medium, high and low volume range-12dB~ +12dB. Tap the speaker button to mute the master volume.

Menu:
You can perform operations such as output channel adjustment, Equalizer adjustment, mixing mode adjustment, system settings and music playback.

Channel Interface
Channel selection, volume mute, forward and reverse, high and low pass frequency setting and joint tuning operation.

Delay unit switching: Switch between milliseconds, centimeters, and inches.

Output channel selection: 8 channels are available.

SOFTWARE INTRODUCTION

H. Channel type selection: front audio, rear audio, center audio, subwoofer audio.

I. Channel volume: The volume can be adjusted by sliding left and right, the volume range:0~60.

J. Delay setting: Slide the dots left and right to set the delay value. Delay range:millisecond range:0.000~25.000; cm range:0~850; inch range:0~334.65

K. Mute:Click the speaker button to mute.

L. Channel phase: Forward and reverse switching.

M. Channel joint debugging settings: Click the joint debugging button and the joint debugging window will pop up to select the joint debugging method.

3. Mixer Interface

N. Bluetooth/USB-L, Bluetooth/USB-R and 4 analog, and mixing options and adjustment,adjustment range:0~100.

4. EQ Interface
Corresponding to the adjustment of the output channel EQ curve (gain, Q value and frequency); reset equalization, pass-through equalization or parametric equalization operation settings.

O. EQ display: Edit the display area.

P. Reset equalization, parametric equalization, and pass-through equalization settings: Click [Reset] to restore the parameters of the 31-short equalizer to the original factory pass-through mode (equalizer frequency, Q value and gain return to their initial values).
When there is channel adjustment, click [PEQ] to switch between [PEQ] and [GEQ] modes.

Q. HPF and LPF adjustment:
Frequency range:20Hz~20.0kHz.
Channel type: Choose from Link-Rill, Butter-W and Bessel.
Slop selection: 6dB/Oct, 12dB/Oct, 18dB/Oct, 24dB/Oct, 30dB/Oct, 36dB/Oct, 42dB/Oct, 48dB/Oct and OFF can be selected.

EQ

SOFTWARE INTRODUCTION

R. Output EQ frequency, gain and Q value settings:
The frequency setting of the output EQ: a total of 31 EQ, slide the screen left and right to select the EQ, you can drag the slide bar up and down to adjust the frequency. The rightmost direction button, press up and down to select the desired frequency, gain and Q value; press left and right to adjust the corresponding adjustment range, frequency range: 20Hz~20kHz, gain range: -20dB~+20dB, Q value range: 0.404~28.852.

5. **System Interface**
Can be restored to factory settings, noise gate settings, mode settings, check the machine model and version for easy operation.
S. Noise gate setting:-60~-120
T. Mode setting: preset PR1~PR6 mode change and save.
U. Turn on local sound effects.

V. Restore factory settings: Click [Restore factory settings], click [OK], all values will be restored to the initial values.

6. **Music Interface**
When connected to USB, Bluetooth or Level-H, you can select the music inside to play, pause, previous, next, loop, random or single play.

W. Select playback source: AUX, bluetooth, high level, optical fiber, USB.

X. Playlist (sorted alphabetically)

Y. Song name and folder name of your choice.

Z. Music adjustment: click [▶][❚❚] to play or pause; click [◀◀] to select the previous song; click [▶▶] to select the next song; click [ ] [ ] list loop or single loop mode; click [ ] random loop mode.
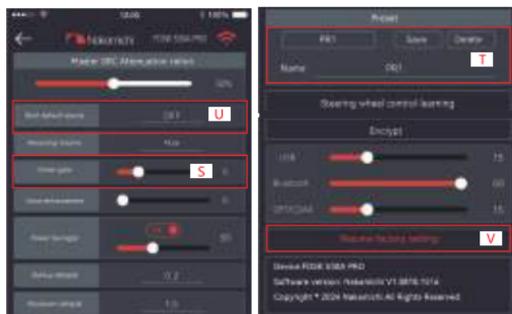
SYSTEM
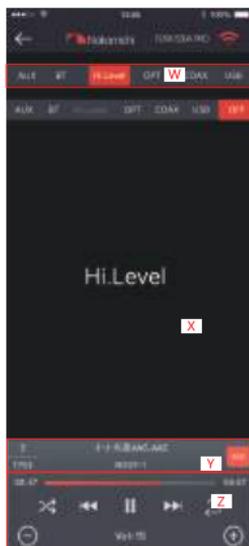
PLAYER

PRODUCT TECHNICAL DATA

PRODUCT PARAMETERS	
Harmonic distortion	≤0.05
Input resistance	High level:240Ω
Signal input range	RCA：5Vpp；High level:26Vpp
Signal output range	RCA:5.6Vpp; MAX Power:8CH×70W
Use environment humidity	-20~70°C
Power supply	DC9V~16V
REM Input	High level signal input:FL+/FL- OR ACC Control cable
REM Output	+12V Startup Voltage output
Standby power consumption	≤0.1W
Signal-to-noise ratio	RCA 98dB, Amplifier 97dB
Net weight	Approx1.67kg
Product Size(L×W×H)	210×160×48mm

All specifications are subject to change without notice.

FUNCTION PARAMETER	
Input signal type	8-channel high level, 2-channel low level, support internal Bluetooth, Optical and USB music playback
Output signal type	10-channel low level, 8-channel 70W Max power
Output gain	Gain range: mute, -60dB~6dB
Output signal equalizer	31-band EQ for every channel: 1. Frequency range: 20Hz~20KHz; resolution: 1Hz 2. Q value (slope and slope): 0.3~50 3. Gain: -12.0dB+12.0dB, resolution: 0.1dB
Output Signal Divider	Equipped with high and low pass filters. 1.Professional filter type: Butter-w, Bessel, Link-Ril 2.Filter Crossover Point: 20Hz~20kHz, Resolution 1HZ 3.Filter Slope Setup: 6dB/Oct~48dB/Oct
Output Phase and Latency	Adjust phase and time alignment for every outpuf channel: In Phase or Out Phase(0-180); Time Alignment: .000 to 25.000 milliseconds, 0 to 850 cm, 0 to 334.65 inches
Scene operation	Save 6 presets into the device

AUDIO FORMATS SUPPORTED BY USB PLAYBACK			
Format	Bit rate	Sampling Rate	Remark
MP3	8kbps-448kbps	8KHz-48KHz	
WMA	5kbps-384kbps	8KHz-48KHz	not support WMA Lossless,WMA PRO
FLAC	LO-L8(1000kbps-1200kbps)	8KHz-48KHz	
WAV	32kbps-384kbps	8KHz-48KHz	

PRODUCT TECHNICAL DATA

FEATURE :	
Reverse Volume Control	Support Startup Delay
Support All Pass	Support Power Saving Mode
Built-in MVSILICON 5.1 BT	Support USB Playback

QUICK CONTROL :	INPUT :	OUTPUT :
Steering Wheel Control	2 CH Low-Level	8 CH High-Level
Mobile APP	8 CH High-Level	10 CH Low-Level
LCD Control Panel	Optical	

PRODUCT TECHNICAL DATA

Dimensions(Unit: mm)

可能需要的工具(視車辆而定)

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x2	3×8mm自攻螺絲×4
4×20mm自攻螺絲×4	主機x1	保险丝 30Ax1
		ANDU 30 FUSE ATC 32V
說明書×1	16P 線材	4P 線材

註意事項

🚫 禁止	表示禁止的动作(不得进行)。
🚫 禁止	表示禁止拆卸。
❗ 强制	表示具有强制性的操作(必须执行)。
⚠	表示应引起您高度注意。

⚠ 警告

出现问题时,请立即停止使用 🚫

否则可能会导致人身伤害或本产品损坏。请将本产品送回到授权的Nakamichi经销商或附近的Nakamichi服务中心修理。

本产品只适用于12V负极接地的汽车 ❗

否则可能会引起火灾等事故。

请专业人员进行配线和安装 🚫

本产品的配线和安装需要专业技术和经验。为了安全起见,请联系您所购买产品的经销商进行安装。

请勿拆卸或改装 🚫

否则可能会导致意外事故、火灾或触电。

螺栓或螺丝等小物体应放在儿童不易触及的地方 ⚠

吞下小物体可能会导致严重伤害。一旦误吞,请立即就医。

请勿使用会使您在驾车时分心的任何功能 🚫 ⚠

任何影响注意力的机器功能的操作都要等完全停住汽车之后才做。要使用这些功能时,请先把车辆停放在安全地带。否则,将可能导致意外事故。

驾驶中必须将音量保持在还能听到车外噪声的水平 ❗ ⚠

听不清紧急车辆警报声和道路警告信号(火车交叉口等)是非常危险的,并可能会导致事故发生。另外,音量过大还可能会导致听力损伤。

⚠ 注意

产品清洁 ⚠

请使用干的软布定期清洁本产品。若污物较难清除,请仅用水将软布浸湿。其它任何溶剂都可能溶解。

温度 ❗

开启本机之前,请确保汽车中温度在+70℃和-20℃之间。

维修 🚫

如果您遇到问题请勿自行修理,请将本产品送回到Nakamichi授权经销商或附近的Nakamichi服务中心修理。

系统匹配 ⚠

当使用FDSK530A PRO采用主动分频方式为扬声器分配信号时,请保证高音的分频点在1500Hz以上,以免损坏高音扬声器。

安装位置 🚫 ⚠

本机不可安装于下列任何场所:
- 阳光直射和热源附近
- 湿度很高的地方和水源附近
- 多尘场所
- 剧烈振动的场所

安裝說明如下

安裝支架連接到機身底部

汽車音響播放器 (另售)

F

G H I

保險絲
（未提供）

K

J

電瓶

L 汽車接
地底板

MAX Power:8 x70W

線控器 (選配)

A   B C   E

D

FDSK630A PRO

藍牙

外置藍牙盒 (選配)
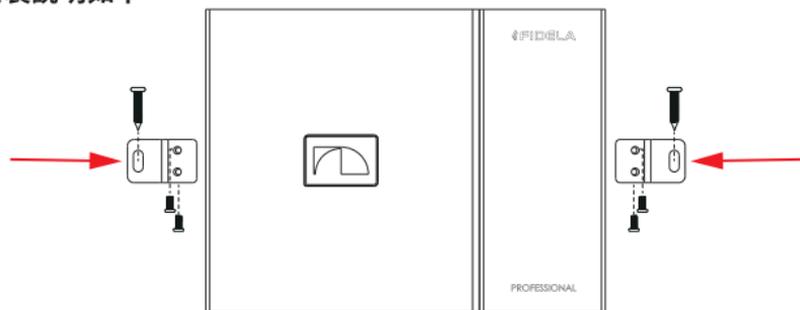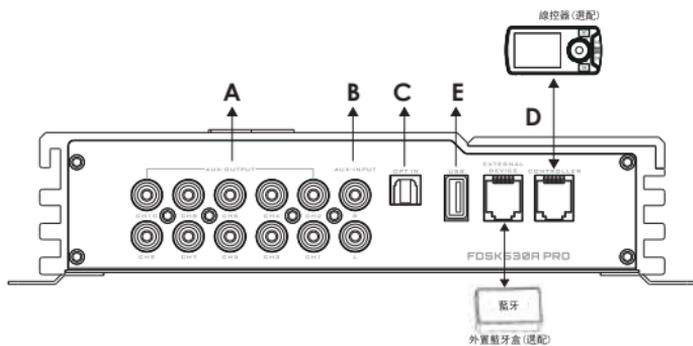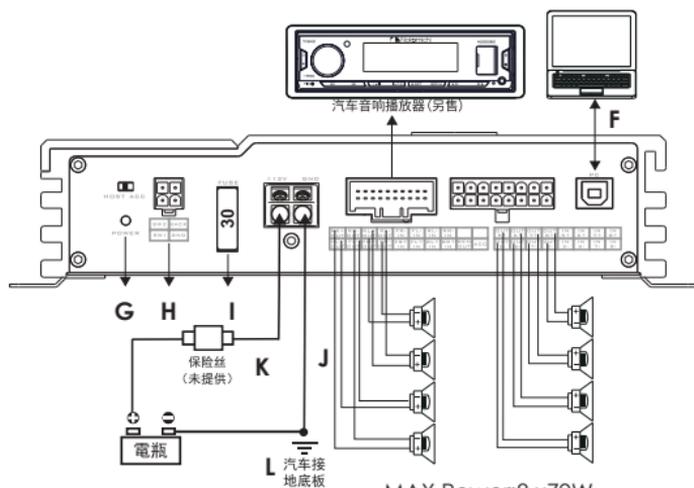
機器接口及功能介紹

A.AUX低電平輸出埠

低電平RCA輸出，最多可連接10路低電平信號輸出。

B.AUX低電平輸入埠

低電平RCA輸入，連結到2通道低電平信號輸入。

C.光纖輸入埠連接車載CD或DVD光纖電纜，將機器音訊源切換到數

位輸入，播放光纖數字信號。

D.控制器埠

數據呼叫和總音量可通過有線控制器進行調節。

E.USB埠

插入U盤，在播放機的音訊源下播放U盤裡的歌曲。

F.PC埠，鏈接到計算機調試軟體無需下載驅動安裝，與電腦相連的聲音軟體會自動安裝。

G.功率指示器

H.轉向輪和換向檢測口

1.保險絲

不要使用其他值的保險絲，也不要用電線或硬幣代替保險絲。

J.GND=地面

當使用HHNPUT時，放大器可以檢測到高電平輸入信號的直流偏移，因此它

會自動打開或關閉放大器。 當放大器打開時，REM端子將輸出+12V直流電，

以控制其他器件的開和關。 當使用低電平輸入時，放大器REM-IN應連接到

信號源單元的REN-OUT。 源單元將控制放大器自動打開或關閉。

K.+12V=電源

L.將此端子連接到車輛蓄電池的正極端子，或通過保險絲或斷路器隔離音

訊系統蓄電池的正極端子。

M.高電平輸入輸出埠

* "+"是正極或正極; "-"是負極或反相（地）

* 僅連結限於原車所選專用線路，也可由使用者自行定義外部接線材料，

在連接電源之前，必須瞭解電源組合設計的電源要求，並嚴格按照設備的使

用說明書進行連接。

* 否則，可能會損壞設備，發生火災、觸電等事故。

软件介绍

PC软件使用介绍

调音软體下載方式

方法1: 網頁地址:**http://nakamichicaraudio.com/**软件下載,下載**FDSK530A PRO**
方法2: 掃有左邊二維碼獲取調音軟體下載位址,下載**FDSK530A PRO**
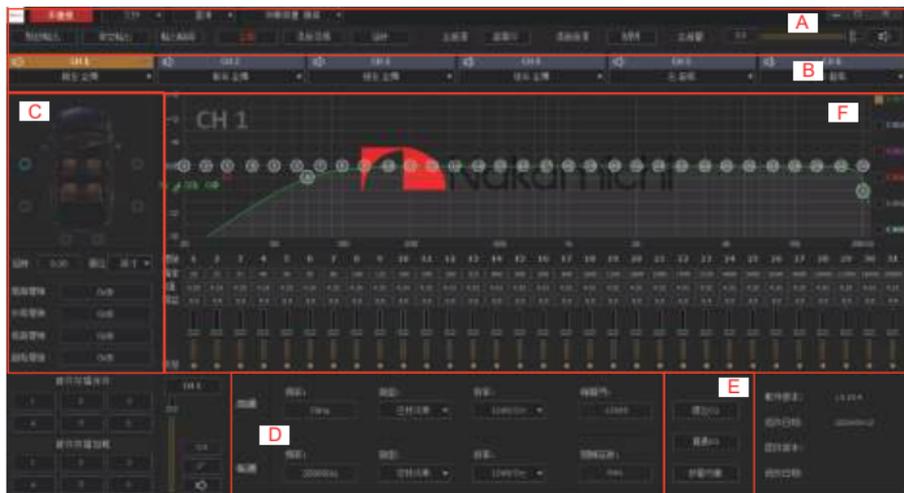
A、菜單編輯區

主要功能:文件,選項,倒車音量靜音,defualt輸出,清除輸出,連結,
主頁,混音,延遲,和輸入源選擇操作。

* 點擊"File"彈出視窗,選擇要載入的計算機場景
保存為計算機場景,載入整機場景或保存整機場景。
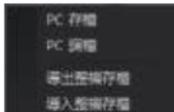
* 按兩下"選項"彈出視窗選擇方向盤控制學習,出廠重置,更新固件,語言,管理員登錄,
密碼修改和關於。按兩下倒車音量靜音以選擇靜音和1/4、1/3、1/2、3/4音量選擇。

軟件介紹

* 點擊【混音】進入混音介面，該介面可通過切換進入對應的混音輸入源高層介面如下。

*按下Main源彈出清單以選擇輸入源。 藍牙、高電平、AUX、播放機、光學和同軸電纜
* "按一下混音源彈出清單以選擇混音源。 藍牙，高電平輔助，播放機，光學，同軸電和關閉。
*附注： 混合音訊源不能與主音訊源相同。 如果主音訊源為AUX，則無法選擇混合音訊源的AUX
用於混音的音訊源為X（X可以是任何音訊源） ， X也被選擇為主音訊源。 音訊源將自動關閉。

*點擊「預設輸出」 將被清除。 輸出配置將被重置。
*點擊「清除輸出」 輸出配置
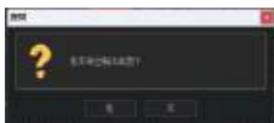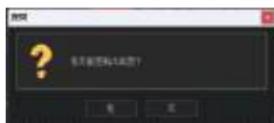
*左右滑動以調整母版音量：
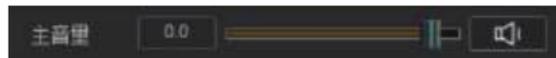
*點擊"未連接"： 可以使用PC與主機進行連接，連接狀態分為未連接、連接和已連接會有不
同的顏色來區分。

軟件介紹

B、頻道選擇區域

主要功能：配置輸出通道類型

*如果輸出通道有衝突，則會顯示為灰色。如果頻道是空的，它將被靜音。

C.通道延遲、音量、相位編輯區

*音量調節：左右推推子可調節聲音的音量，或在音量輸入框中
輸入數值或滾動滑鼠滾輪可調節音量。點擊喇叭按鈕切換到靜音
*正負相位調整：點擊【正相】或【反相】，在正相和反相之間進行切換。
*延遲範圍：毫米範圍：0.000~25.000; 釐米範圍：0至850英寸
範圍：0至334.65
延遲單位：點擊下拉清單選擇毫秒、釐米和英寸。
*相位角：需要根據頻道類型開啟，只有在頻道類型為高頻和超
低時才能調節。

D.通道分隔器編輯區

主要功能：通道高低通分頻設置

可調：濾波器類型、頻點和Q值（斜率或陡斜率）
*頻率可調範圍：20-20000，高頻低通頻率s
*類型：巴特沃思，貝塞爾，尼克夏普
*斜率：6、12、18、24、30、36、42、48和關，單位為dB/10Oct。

軟件介紹

E.均衡器編輯區

*"複位均衡器"按鈕：用於將31頻段均衡器的參數恢復到原來的直接模式（均衡器的頻率、Q值和增益恢復到初始值）。

*"參數均衡器"按鈕：用於調整頻率和Q值，對應圖形均衡器表示頻率和Q值不可調救，

*直通均衡按鈕：恢復31個關斷均衡點的增益在0.0位置的均衡，只要有非0.0的位置對應直通均衡為直通均衡。

F.通道均衡器編輯區
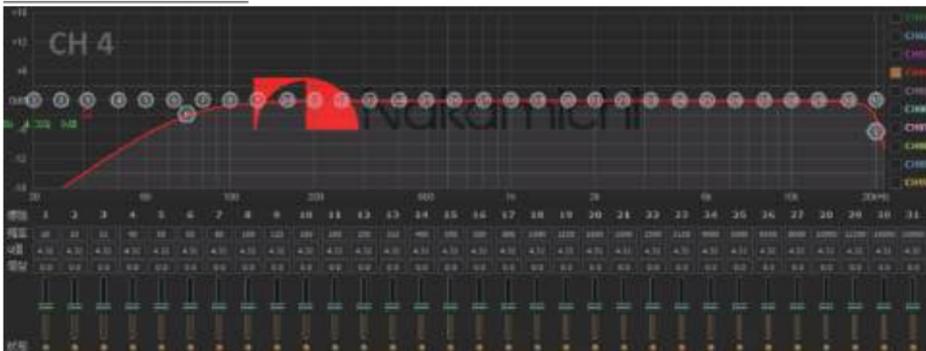
*主要功能配置：電流輸出通道均衡設計，31個頻段可調：頻率、Q值（應頻寬）和增益（增加或減小頻點附近的頻率回應範圍）。

軟件介紹

下載APP方法:

一.蘋果手機用戶需在蘋果市場搜尋名稱"FDSK530A PRO"

二.安卓手機用戶

方法1:登入網頁http://www.nakamichicaraudio.com,下載,下載FDSK530A PRO

方法2:在Google Play搜尋名稱"FDSK530A PRO",並下載

主界面

通道

混音

1. 主界面

可以共享聲音效果,保存音頻聲音效果,打開本地聲音效果,查看機器的型號和版本號並退出軟件操作; 加密數據; 存儲和調用6組預設場景。

A. 連接狀態:黑色表示未連接,紅色表示已連接。

B. 場景預設:有1~6個預設可輸出延遲調整。

C. 音頻源選擇:有藍牙、光纖、USB選項。

D. 音量調整:

順時針或逆時針按住音量尺調節音量。主音量範圍為0～66,低音炮範圍為0～60,

中,高,低音量範圍為12dB～+12dB。 點擊揚聲器按鈕以使主音量靜音。

E. 菜單:

您可以執行如輸出通道調整,均衡器調整,混合模式調整,系統設置和音樂播放之類的操作。

2. 通道窗口

通道選擇,音量靜音,正向和反向,高和低通頻率設置以及聯合調諧操作。

F. 延遲單位切換:在毫秒,厘米和英寸之間切換。

G. 輸出聲道選擇:8個聲道可用。

H. 通道類型選擇：前置音頻，後置音頻，中央音頻，低音炮音頻。

I. 通道音量：左右滑動可調節音量，音量範圍：0～60。

J. 延遲設置：左右滑動點以設置延遲值。延遲範圍：毫秒範圍：0.000～25.000；厘米範圍：0～850；英寸範圍：0～334.65。

K. 靜音：單擊揚聲器按鈕將其靜音。

L. 通道相位：正向和反向切換。

M. 通道聯合調試設置：單擊聯合調試按鈕，將彈出聯合調試窗口以選擇聯合調試方法。

3. 混音界面

N.可進行8個高電平，2個AUX，2個藍牙，2個光纖，2個同軸，2個USB進行調節，範圍是0--100，根據主音源的不同，對應的頁面也不相同

4. EQ窗口
調整輸出通道的EQ曲線（增益，Q值和頻率）；重置均衡，直通均衡或參數均衡操作設置。

Q. EQ顯示：編輯顯示區域。

P. 重置均衡，參數均衡和直通均衡設置：單擊[Reset]將31段均衡器的參數恢復為原始出廠直通模式（均衡器頻率，Q值和增益恢復為其初始值））。
進行通道調整時，單擊[PEQ]在[PEQ]和[GEQ]模式之間切換。

Q. HPF和LPF調整：
頻率範圍：20Hz～20.0kHz
頻道類型：從巴特沃斯(Butter-w)，貝塞爾(Bessel)，寧克(Link-Ril)中選擇。
斜率選擇：可以選擇6dB / Oct，12dB / Oct，18dB / Oct，24dB / Oct，30dB / Oct，36dB / Oct，42dB / Oct，48dB / Oct和OFF。

EQ
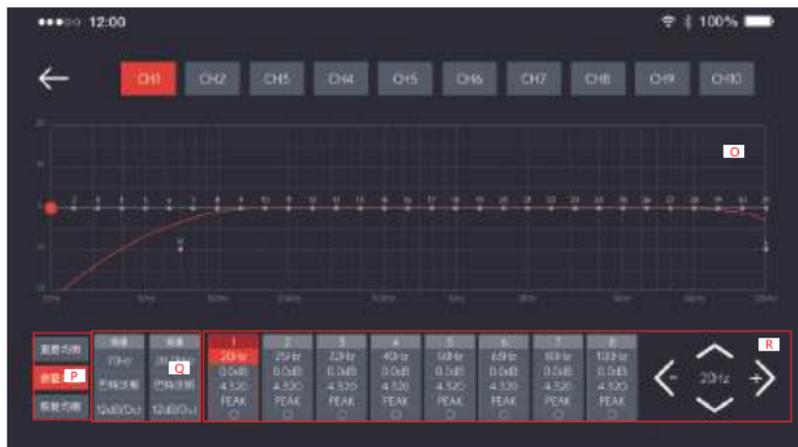
R. 輸出均衡器頻率，增益和Q值設置：
輸出均衡器的頻率設置：總共 31個均衡器，
左右滑動屏幕以選擇均衡器，您可以上下拖
動滑動條來調整頻率。在最右邊的方向按鈕
上，按下和向下選擇所需的頻率，增益和Q
值； 按左右調整相應的調整範圍，頻率範
圍：20Hz～20kHz，增益範圍：-20dB～+
20dB，Q值範圍：0.404～28.852。

5. 系統窗口
可以恢復到出廠設置，噪聲門設置，模式設
置，檢查機器型號和版本以方便操作。

S. 噪聲門設置：-60~-120

T. 模式設置： 預設PR1～PR6模式更改並保
存。

U. 打開本地聲音效果。

V. 恢復出廠設置：單擊[恢復出廠設置]，
單擊[確定]，所有值將恢復為初始值。

6. 播放窗口
連接到USB，藍牙或模擬時,您可以選擇其
中的音樂來播放，暫停，上壹個，下壹個，
循環，隨機或單次播放。

W.選擇播放源：AUX、藍牙、高電平、光纖、
USB。

X. 播放列表（按字母順序排列）

Y. 您選擇的歌曲名稱和文件夾名稱。

Z. 音樂調整：單擊[▶] [▌▌]播放或暫停；
單擊[◀◀]選擇上壹首歌曲； 單擊[▶▶]選
擇下壹首歌曲； 單擊[▤] [▦]列表循環
或單循環模式； 單擊[⤫]隨機循環模式。

系統

播放器

產品技術數據

產品參數	
諧波失真	≤0.05
輸入阻抗	高電平:240Ω
信號輸入範圍	RCA:5Vpp;　高電平:26Vpp
信號輸出範圍	RCA:5.6Vpp;功放最大功率 8CH×70W
使用環境濕度	-20~70℃
電源	DC9V~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
信噪比	低電平98dB, 功放97dB
淨重	約1.67kg
產品尺寸（L×W×H）	210×160×48mm

所有規格如有更改恕不另行通知。

功能參數	
輸入信號類型	8通道高電平，2通道低電平，支持內部藍牙、光纖和USB音樂播放
輸出信號類型	10聲道低電平，8通道70W最大功率
輸出增益	增益範圍：靜音，-60dB~6dB
輸出信號均衡器	31斷均衡器引擎： 1.頻率範圍：20Hz~20KHz;解析度：1Hz 2.Q值（斜坡和坡度）：0.3-50 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.專業濾波器類型：巴特沃斯(Butter-w)，貝塞爾(Bessel)，寧克-銳(Link-Ril) 2.濾波器分頻點：20Hz~20kHz，分辨率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25.000毫秒，0到850厘米,0至334.65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	采樣率	備註
MP3	8kbps-448kbps	8KHz-48KHz	
WMA	5kbps-384kbps	8KHz-48KHz	不支持WMA Lossless,WMA PRO
FLAC	LO-L8(1000kbps-1200kbps)	8KHz-48KHz	
WAV	32kbps-384kbps	8KHz-48KHz	

產品技術數據

特色功能：	
反向音量控制	支援啟動延遲
支援所有通行證	支援省電模式
內置MV SI5.1 BT	支援USB播放

便捷控制：	輸入：	輸出：
原車方控	2路低電平	8路高電平
手機APP	8路高電平	10路低電平
LCD控制面板	光纖	

產品技術數據

產品尺寸：

CONNECT WITH US ONLINE TO EXPLORE NAKAMICHI'S COMPLETE RANGE, INSTRUCTIONS & SOFTWARE DOWNLOADS AND WARRANTY REGISTRATION.

WWW.NAKAMICHICARAUDIO.COM

 nakamichi.global   nakamichi.caraudio