



NSW-X802S2

User Manual



8" SVC SUBWOOFER

YOUR SUBWOOFER

Dear Customer,

Congratulations on purchasing our Nakamichi mobile system product for your sound system.

This product has been designed and manufactured to Nakamichi's exacting standards to ensure many years of audio enjoyment. For the best performance, we recommend that you have your Nakamichi product installed by an authorized Nakamichi dealer.

If you would like to install this product on your own, we recommend for you to go through this manual to familiarize yourself with all the installation requirements and procedures.

If you encounter any issues or if you have any questions on the operation of this product, please contact your nearest authorized Nakamichi dealer for assistance, or you may also contact us through our website or social media channels.

Installation of your Product

In today's modern vehicles, it is very easy to cause damage to existing systems through improper installation. Please follow and scrutinize all wiring diagrams to ensure that you have connected everything in its proper place.

If you find yourself uncomfortable or unfamiliar with understanding the wiring and installation diagrams or testing instructions, do contact your nearest Nakamichi dealer to perform the installation for you.

Safety Warnings and Considerations

- Clean only with a dry cloth or other similar materials.
- Install your product in a dry, well-ventilated location that does not interfere with your vehicle's safety equipment.
- Do not block any ventilation openings when installing this product.
- Do not mount the product in the engine compartment of your vehicle or in any areas of extreme heat such as mufflers, silencers, exhaust pipes or other heat producing apparatus.
- Securely mount the product so that it does not come loose in the event of a collision or as a result of repeated vibrations that might occur during normal operation.
- Installation of the apparatus must be done with great care to prevent damage to your vehicle's fuel lines, power, and other electrical wiring, hydraulic brake lines, and other systems. If possible, always visit your nearest Nakamichi dealer to perform the installation.
- Do not run any wiring outside or underneath the vehicle. Keep all wires inside the vehicle.
- Take the necessary precautions when making connections to the vehicle's battery to avoid any potential shock.
- Protect all system wires from sharp edges by carefully routing them, always use rubber grommets to protect wiring and cables whenever you are installing them through metal openings.

YOUR SUBWOOFER

- Secure all wiring using cable ties or wire clamps to protect them from moving parts and sharp edges.
- This apparatus shall not be exposed to dripping or splashing, and no object filled with liquids, shall be placed on the apparatus.
- Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as the power input terminals are damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.
- Fuses shall be replaced only with the correct type and fuse value, and only when the apparatus is powered off.
- Exposure to high sound pressure levels may lead to permanent hearing loss. Take every precaution to protect your hearing.

COMMON FAULTS & SOLUTIONS

Issues	Causes	Solutions
No sound.	1.Broken line. 2.No correct connection.	1.Check the cable. 2.Check the power of the 3.Connecting cable.
Distorted output.	1.Source level too high. 2.Gain of the amplifier too high.	1.Turn down the source level. 2.Turn down the gain of the amplifier.

ACCESSORY LIST

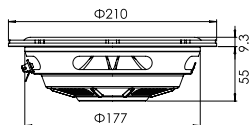
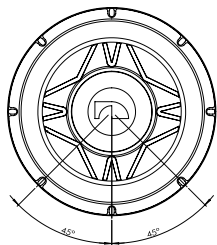
Check and identify the contents of your package:

- | | |
|----------------------|----------------------------|
| 1. Subwoofer x 1pc | 3. Ø4×30mm Screw x 8pcs |
| 2. User manual x 1pc | 4. Mounting template x 1pc |

SPECIFICATIONS & DIMENSIONS

Model No.:	NSW-X802S2
Nominal Diameter:	8" (210mm)
Mounting Depth:	> 2.17" (55mm)
N-Power	80 watts
Peak Power:	250 watts
Nominal Impedance:	2 Ω
Frequency Response:	40Hz-2KHz
Sensitivity (SPL/1W/1m):	82 \pm 3dB
Free Air Resonance (Fo):	40Hz
Suspension Compliance (Cms):	222 μ M/N
Moving Mass (Mms):	73.3g
Mechanical "Q" (Qms):	8.993
Electrical "Q" (Qes):	0.325
Total Speaker "Q" (Qts):	0.314
Equivalent Volume (Vas):	14.2 Liter
DC Resistance (Re):	2 Ω
Effective Piston Area (Sd):	0.021mm ²
Force Factor (BL):	10.6 N/A
Reference Efficiency (No):	0.26%
Voice Coil (V.C.):	Φ 38.55mm, KSV
Magnet Mass:	27.46 oz (778.5g)
Net Mass (1pc):	Approx. 1.2kg

Unit: mm



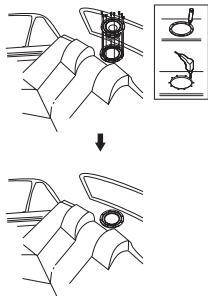
INSTALLATION

Option 1: Mount on Rear Tray

You can mount the subwoofer on the rear tray.

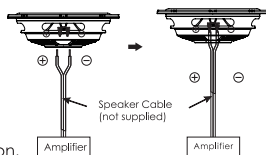
- Set the wiring firmly on the floor of the vehicle, taking the utmost care not to break wires while installing.

- Turn off the car ignition key.
 - If the power is on, the click noise generated by the connection may damage the subwoofer.
- Cut out the mounting template from the packing box and paste it onto the location selected for mounting the subwoofer.
- Mark the cut-off hole and the 8 bolt holes.



INSTALLATION

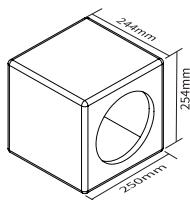
4. Cut out the marked area and drill the bolt holes.
5. Connect the subwoofer to the amplifier.
 - The impedance of the units are related with how to connect. Make sure that the output impedance of the amplifier's speaker terminal is relevant with connection. (Refer to "Wire Connection".)



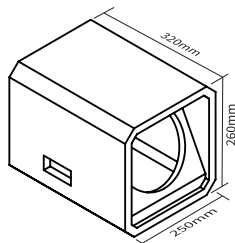
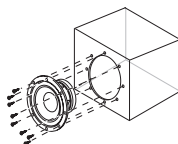
- Consult the diagram. Be sure to connect corresponding terminals, i.e. "+" to "+" and "-" to "-". Connection with reversed polarity will degrade the quality of reproduction.
6. Mount the subwoofer into the rear tray with the supplied screws.

Option 2: Install in A Sealed Enclosure

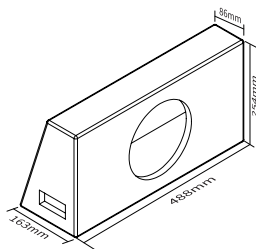
If the subwoofer cannot be mounted on the car, place it in a sealed enclosure. Recommended enclosures have been designed and thoroughly tested.



Sealed Enclosure (1)



Sealed Enclosure (2)



Sealed Enclosure (3)

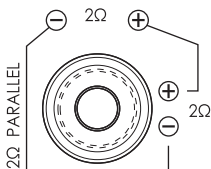
All boards thickness: 15mm

Connect the subwoofer to the amplifier.

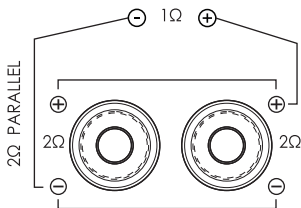
Install the subwoofer into the sealed enclosure with the supplied screws.

WIRE CONNECTION

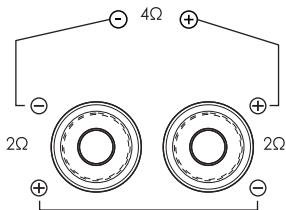
1PC SUBWOOFER 2Ω



2PCS SUBWOOFER 2Ω



2PCS SUBWOOFER 4Ω



您的產品

親愛的顧客

恭喜您為您的音響系統購買了我們的Nakamichi產品。

本產品是按照Nakamichi的嚴格標準設計和製造的，以確保多年的音頻享受。為了獲得最佳性能，我們建議您將Nakamichi產品安裝在Nakamichi授權經銷商處。

如果您想自己安裝本產品，我們建議您閱讀本手冊，以熟悉所有的安裝要求和程序。

如果您遇到任何問題或對本產品的操作有任何疑問，請聯繫最近的Nakamichi授權經銷商尋求幫助，或者您也可以通過我們的網站或社交媒體渠道聯繫我們。

安裝您的產品

在今天的現代車輛中，非常容易因安裝不當而對現有系統造成損壞。請遵循並仔細檢查所有接線圖，以確保已正確連接所有部件。

如果您發現自己不熟悉接線圖和安裝圖或測試說明，請聯繫與您最近的Nakamichi的經銷商為您執行安裝。

安全警告和注意事項

- 請用幹布或其他類似材料進行清潔
- 將您的產品安裝在乾燥、通風良好、不會干擾車輛安全設備。
- 安裝本產品時，請勿堵住任何通風口。
- 請勿將本產品安裝在車輛的發動機艙內或任何過熱的地方，如消聲器、排氣管或其他產熱裝置。
- 牢固安裝產品，以免在碰撞或正常操作期間可能反復振動的情況下鬆動。
- 安裝設備時必須非常小心，以防止損壞車輛的燃油管路、電源和其他電線、液壓制動管路和其他系統。如果可能的話，一定要去最近的經銷商哪裡進行安裝。
- 請勿在車輛外部或下方佈線，將所有電線保持在車內。
- 連接車輛蓄電池時，請採取必要的預防措施，以免造成任何潛在的衝擊。

您的產品

- 小心佈線以保護所有系統電線免受尖銳邊緣傷害，無論何時通過金屬開口安裝它們，請始終使用橡膠墊圈來保護電線和電纜。
- 使用電纜紮帶或線夾固定所有佈線，以防止其受到運動部件和尖銳邊緣的傷害。
- 請勿將本設備暴露在滴水或飛濺的液體上，也不要在其上放置裝有液體的物品。
- 將所有服務交給合格的服務人員。當設備以任何方式損壞時，例如電源輸入端子損壞，液體濺入或有物體調入設備，設備被雨淋到或受潮，無法正常工作或已被清除
- 保險絲祇能用正確的類型和保險絲更換，並且祇能在設備斷電時更換。
- 暴露於高聲壓級可能會導致永久性聽力損失。採取一切預防措施來保護您的聽力。

常見故障及解決辦法

問題	原因	解決方案
沒聲音	1.斷線了 2.沒有正確的連接	1.檢查電纜 2.檢查電源 3.連接電纜
失真	1.声音太高 2.放大器的增益太高	1.調低声音. 2.調低放大器增益.

配件清單

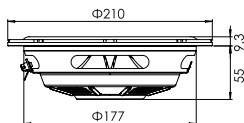
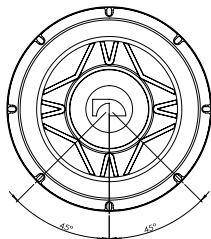
檢查並識別包裝中的物品：

1. 喇叭 x 1pc
2. 說明書 x 1pc
3. Ø4×30mm 螺絲 x 8pcs
4. 安裝模板 x 1pc

SPECIFICATIONS & DIMENSIONS

型號	NSW-X802S2
揚聲器類型:	8" (210mm)
安裝深度:	> 2.17" (55mm)
額定功率:	80 W
最大功率:	250 W
阻抗:	2Ω
頻率響應:	40Hz-2KHz
輸入靈敏度:	82±3dB
自由聲壓:	40Hz
順性力:	222uM/N
震動質量:	73.3g
機械Q值:	8.993
電子Q值:	0.325
總喇叭Q值:	0.314
等效空氣容積:	14.2 Liter
直流阻抗:	2Ω
有效震動面積:	0.021mm ²
驅動力因素 (BL):	10.6 N/A
有效轉換效率:	0.26%
音圈規格:	Φ38.55mm, KSV
磁鐵重量:	27.46 oz (778.5g)
淨重 (1个):	≈1.2kg

單位: 毫米



安裝

選項1: 安裝在後座托盤上

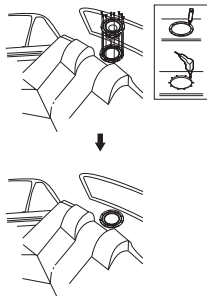
您可將低音揚聲器安裝在後座托盤。(把線牢固在車輛的地板上, 不能損壞安裝線路)

1. 閉汽车的点火钥匙。

如果電源為接通狀, 則電源連接所產生的震動聲可能會對低音揚聲器造成損壞。

2. 從包裝盒中取出安裝模版, 將模版貼在安裝揚聲器的位置上。

3. 標記好定點孔和8個螺栓孔。



安裝

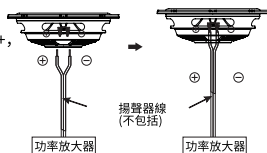
4. 切除標記部分，並鎖開螺栓孔

5. 將低音揚聲器連接至放大器。

- 單元的阻抗與如何連接有關，確保放大器的揚聲器端子的輸出阻抗與連接有關。
(請參考“連接圖”)

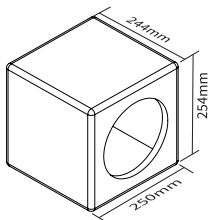
· 一定要正確連接相應的端子，即左同左，右同右和+同+，-同-端子。極性反置可導致音質下降。

6. 將低音炮安裝到后托架上，用提供的螺絲釘。

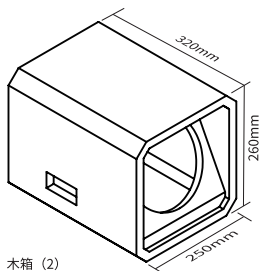
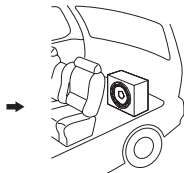
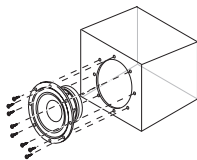


選項2：安裝在密封外殼中

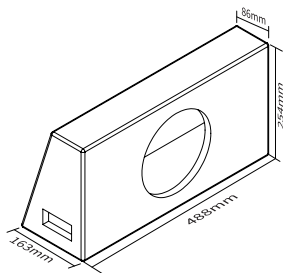
如果低音炮無法安裝在汽車上，請將其放置在密封的外殼中。推薦的外殼已經設計和徹底測試。



木箱 (1)



木箱 (2)



木箱 (3)

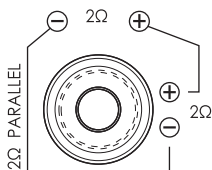
所有板材厚度：15mm

將低音炮連接到放大器

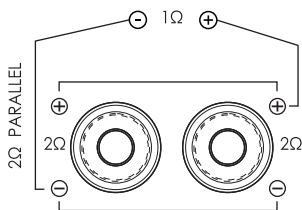
用附帶的螺絲釘將低音炮安裝到密封外殼中。

連接

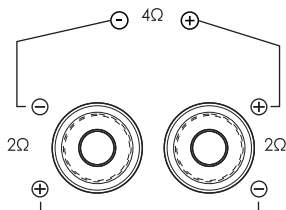
1个低音 2歐姆



2个低音 2歐姆



2个低音 4歐姆





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INSTRUCTIONS & SOFTWARE DOWNLOADS AND WARRANTY REGISTRATION.

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