

User Manual Subwoofer

Be sure to read this instruction manual before installing this speaker.

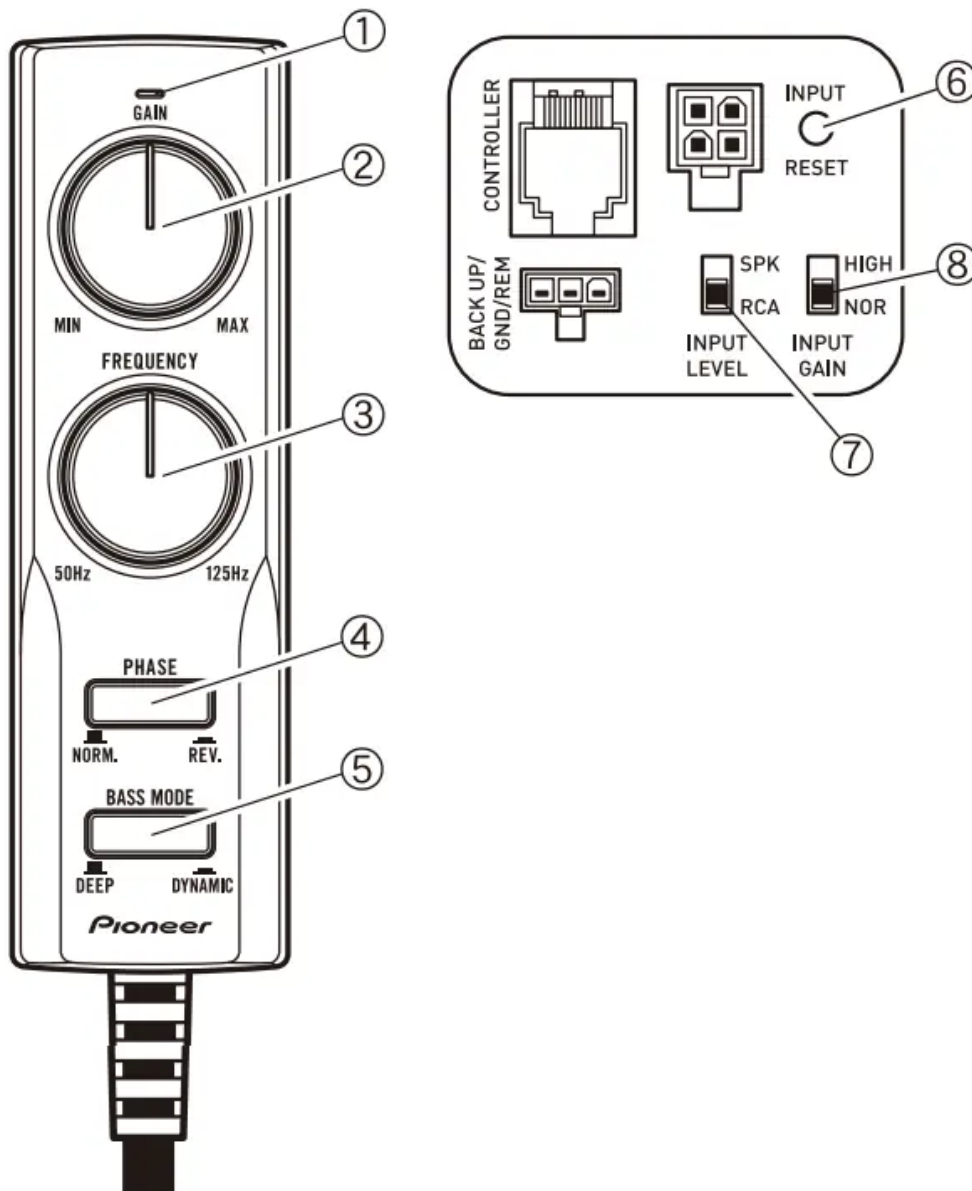
WARNING

1. Before starting the installation make sure to disconnect the vehicle's negative (—) battery power cable. This will prevent possible electrical shock.
2. When wiring this unit please use the supplied connecting cords. DO NOT remove the fuses. The protection circuit will not work in case of an emergency.
3. TS-WX130DA installed in the passenger compartment should be securely anchored in place.
4. Before drilling any mounting holes check behind where you want to drill the holes to make sure you DO NOT drill into anything such as the gas lines, brake lines or electrical wiring.
5. Do not install the TS-WX130DA anywhere it can get wet.
6. Install the TS-WX130DA in a location with good ventilation.
7. While driving keep your listening volume at a level which does not mask important outside traffic noises, such as emergency vehicles, etc.
8. High sound levels may cause permanent hearing loss.

CAUTION

1. This device is for 12 volt (—) negative ground. Please check your automobile to make sure it is this type.
2. When routing leads and cords, secure them with cable retainers and electrician's adhesive tape or shrink tubing wherever they may touch sharp edges.
Keep all wiring away from hot surfaces or heater outlets to prevent short circuits.
3. Refer to your car stereo's operation manual as well when installing speakers in your car.
4. Correctly set the input level switch to match the outputs of your car stereo. If this is not correct, you may experience distortion and sound level may not increase.
5. Do not leave this remote-control in direct sunshine or at a hot place for a long time. Prolonged exposure may cause the unit to deform, change in color, or become faulty.
Note: IF low frequency noise exists in head unit, noise may be amplified by TS-WX130DA.

CONTROLS AND THEIR USE



① Power indicator

Lights up when power is turned on.

② Gain control

Use this control to set the desired gain level.

The GAIN control circuit protects the subwoofer from excessive input and may automatically adjust the level to prevent damage.

③ **Frequency control**

Turn this knob to change the frequency during sound reproduction.

Set the knob to the bass setting of your choice (selectable frequency from 50 Hz to 125 Hz).

④ **Phase switch**

Use switch to select the phase according to the system.

⑤ **BASS MODE switch**

BASS MODE provides selectable bass tuning to suit various music. Output is momentarily reduced when switching between modes.

⑥ **Resetting the microprocessor**

Please reset the microprocessor under the following conditions

- After installation and before first use.
- If the unit fails to operate properly.

⑦ **INPUT MODE SELECT switch**













RCA: When using the RCA input.

SPX : When using the speaker level input.

⑧ **INPUT GAIN switch**

HIGH : When using the RCA input with a high-voltage preouts car stereo (2.4 V RCA Preouts)

NOR : When using the RCA input with a standard preouts car stereo or when using the speaker level input.

Input Eingang Entrée Ingresso Entrada Comandos e a sua utilização Вход 輸入 دخل	Car stereo Preouts VorverstärkerAusgänge Autoradio Sorties pré-amplificateur autoradio Preouts dell' autoradio Salida Previo Autoradio Pré-saídas do sistema de áudio do seu automóvel Выходы предусилителя головного устройства 车用立體聲裝置輸出端 مضخمات صوت متقدمة لأجهزة ستيريو السيارات	INPUT MODE SELECT switch EINGANGSWAHLSCHALTER SÉLECTEUR D'ENTRÉE SELETTORE MODALITÀ D'INGRESSO INTERRUPTOR SELECCIÓN MODO ENTRADA MODO DE LIGAÇÃO SELECIONE BOTÃO ПЕРЕКЛЮЧАТЕЛЬ РЕЖИМА ВХОДА 輸入模式選擇開關 مفتاح اختيار وضع الدخل	INPUT GAIN switch EINGANGSPEGELEINSTELLUNG RÉGLAGE NIVEAU D'ENTRÉE SELETTORE INGRESSO GAIN INTERRUPTOR GANANCIA ENTRADA SELETOR DE ENTRADA DE GAIN ПЕРЕКЛЮЧАТЕЛЬ УСИЛЕНИЯ НА ВХОДЕ (GAIN) 輸入增益開關(INPUT GAIN) مفتاح INPUT GAIN
Speaker line Input system Lautsprecher-Line-Eingang-System Système d'entrée du haut-parleur Sistema dell'ingresso della linea degli altoparlanti Sistema entrada de la linea del altavoz Sistema de entra de linha do alto-falante Система с использованием линейного входа акустической системы 揚聲器線路輸入系統 نظام دخل خط السماعة	—	 SPK  RCA INPUT LEVEL	 HIGH  NOR INPUT GAIN
RCA Input system RCA-Eingang-System Système d'entrée RCA Sistema dell'ingresso RCA Sistema de entrada RCA Sistema de entrada do RCA Система с использованием входа типа RCA RCA 輸入系統 نظام دخل RCA	< 4 V	 SPK  RCA INPUT LEVEL	 HIGH  NOR INPUT GAIN
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The subwoofer can be operated with the remote-controller disconnected. but please note :

- The GAIN control is set to maximum with the remote-controller disconnected. Please adjust the subwoofer level using your car stereo.
- No subwoofer control setting changes are possible with the remote-controller disconnected. Some car stereo provide specific subwoofer controls. Please refer to your car stereo manual for more information.
- The internal Low Pass Filter (LPF) is not set when the remote-controller is disconnected. When remote-controller is disconnected. please set the LPF from your car stereo. For more information. refer to your car stereo manual.
- The internal PHASE control is set to NOR with the remote-controller disconnected.
- Please do not disconnect the remote-controller if using the speaker level input. The remote-controller is necessary to control the level and LPF.

EU models only



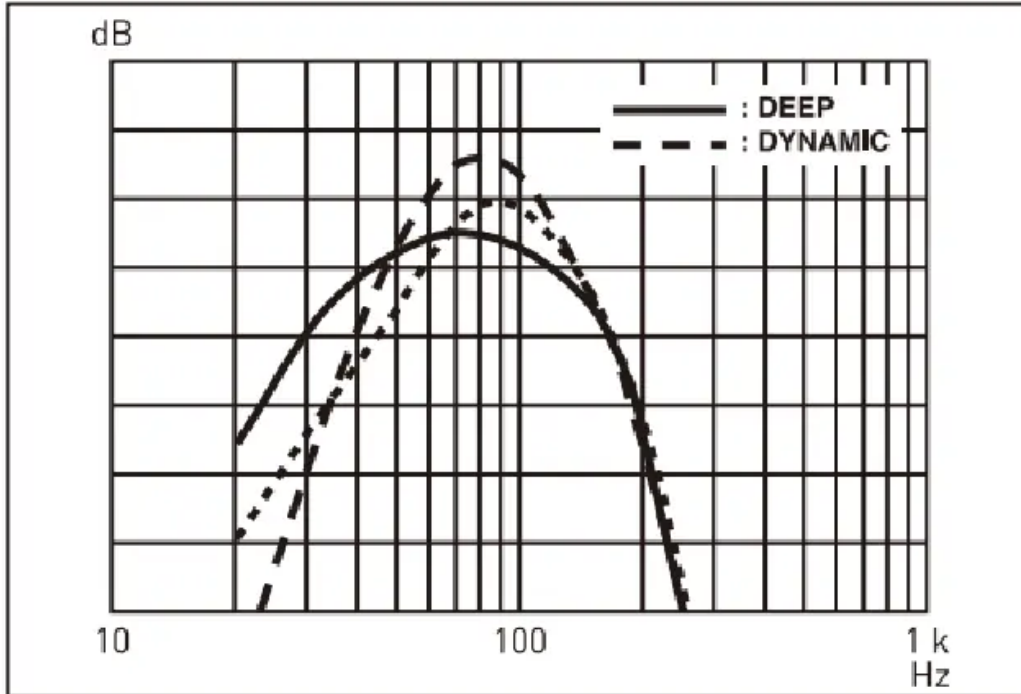
■ If you want to dispose this product. do not mix it with general household waste. There is a separate collection system for used electronic products in accordance with legislation that requires proper treatment. recovery and recycling.

Private households in the member states of the EU. in Switzerland and Norway may return their used electronic products free of charge to designated collection facilities or to a retailer (if you purchase a similar new one).

For countries not mentioned above. please contact your local authorities for the correct method of disposal.

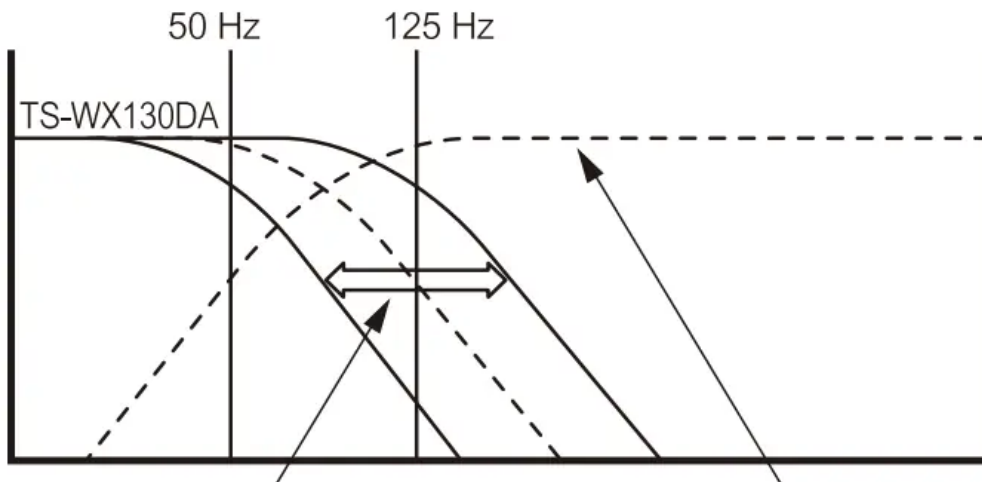
By doing so you will ensure that your disposed product undergoes the necessary treatment, recovery and recycling and thus prevent potential negative effects on the environment and human health.

Output Sound Pressure Frequency Characteristic (in Car)



..... : The remote-controller disconnected

CROSSOVER FREQUENCY



SELECTABLE FREQUENCY FULL-RANGE SPEAKER

FEATURES

1. SHALLOW AND COMPACT DESIGN FOR FLEXIBLE INSTALLATION



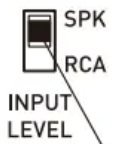

2. DYNAMIC AND CONTROLLED BASS OUTPUT

3. 2-MODE SELECTABLE BASS CURVE

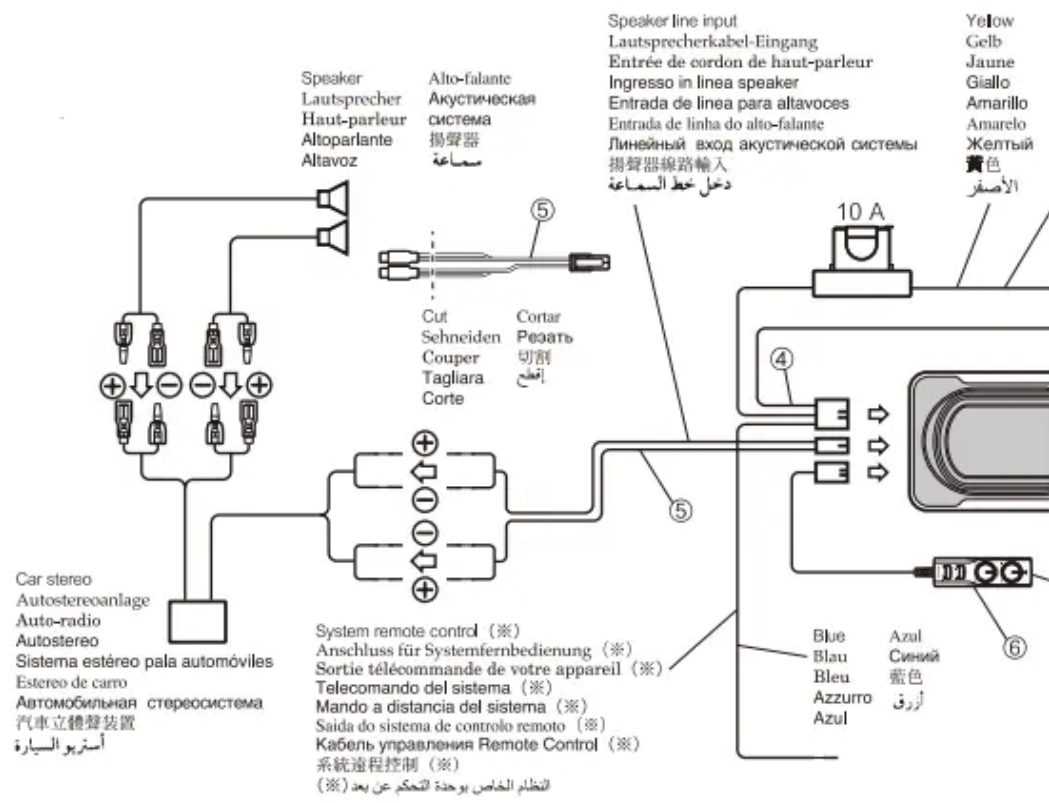
4. COMPATIBLE RCA AND SPEAKER INPUT FOR SYSTEM APPLICATION VERSATILITY

CONNECTIONS

Wiring Example 1 (Speaker Line Input System)

<p>INPUT MODE SELECT switch EINGANGSWAHLSCHALTER SÉLECTEUR D'ENTRÉE SELETTORE MODALITÀ D'INGRESSO INTERRUPTOR SELECCIÓN MODO ENTRADA MODO DE LIGAÇÃO SELECIONE BOTÃO ПЕРЕКЛЮЧАТЕЛЬ РЕЖИМА ВХОДА 輸入模式選擇開關 مفتاح اختيار وضع الدخل</p>	<p>INPUT GAIN switch EINGANGSPEGELEINSTELLUNG RÉGLAGE NIVEAU D'ENTRÉE SELETTORE INGRESSO GAIN INTERRUPTOR GANANCIA ENTRADA SELETOR DE ENTRADA DE GAIN ПЕРЕКЛЮЧАТЕЛЬ УСИЛЕНИЯ НА ВХОДЕ (GAIN) 輸入增益開關(INPUT GAIN) مفتاح INPUT GAIN</p>
 <p>INPUT LEVEL</p>	 <p>INPUT GAIN</p>

Should be set in SPK
Einstellung "SPK"
Position sur SPK
Sarà impostato in SPK
Se configurará en SPK
Deverá ser definido em SPK
Необходимо установить в SPK



Connect the lead to a power supply terminal from the fuse box which can provide a constant current level of more than 10 A.
Die Leitung an eine Stromklemme vom Sicherungskasten anschließen, die einen konstanten Strompegel von über 10 A liefern kann.
Raccorder le fil à une borne d'alimentation du boîtier de fusibles pouvant procurer un niveau de courant constant de plus de 10 A.
Collegare il cavo a un terminale di alimentazione della scatola fusibili che possa fornire un livello di corrente costante superiore a 10 A.
Conecte el conductor a un terminal de alimentación de la caja de fusibles que pueda suministrar corriente con nivel constante de más de 10 A.
Conecte o fio a um terminal de alimentação de força a partir de uma caixa de fusível que possa prover um nível constante de mais de 10 A.
Подключите кабель к клемме источника питания от коробки плавкого предохранителя, обеспечив постоянный уровень тока более 10 А.
從保險絲匣將導線聯接到電源端子，這樣可以提供大於10 A的恒電流電平。
صل سلك التوصيل إلى طرف معدي للقدرة بحدود 10 أمبير والذي يستطيع إثارة مستوى تيار ثابت بأكثر من 10 أمبير.

Yellow
Gelb
Jaune
Giallo
Amarillo
Amarelo
Желтый
黃色
الأصفر

Connect firmly to a metal part of the car body. Improper grounding will cause this unit to operate abnormally.
Einen Metallteil fest mit der Karosserie verbinden. Durch schlechte Erdung wird Fehlfunktion des Gerätes hervorgerufen.
Bien connecter à une partie métallique du châssis de la voiture. Une mise à la masse non correcte amènera un fonctionnement incorrect de l'appareil.
Collegare saldamente ad una parte metallica dell'auto. Una messa a terra scorretta causa malfunzionamenti dell'apparecchio.
Conecte firmemente a una parte metálica de la carrocería del automóvil. Una puesta a masa incorrecta causará el funcionamiento anormal de esta unidad.
Ligado firmemente a uma parte metálica da carroceria do carro. Caso contrário a unidade poderá operar deficientemente.
Надежно соединить с металлической частью кузова автомобиля. Неправильное заземление будет приводить к нарушениям в работе устройства.
要確實聯接到車身的金屬部分。接地不正確將會造成本裝置動作異常。
صل بإحكام إلى جزء معدني في هيكل السيارة. التأريض الغير مناسب سيؤدي إلى أن تعمل الوحدة بطريقة غير عادية.

For ground
Für Erdung
Pour la masse
Per la massa
Para masa
Para o terra
Для заземления
接地用
للأرضي

Black
Schwarz
Noir
黑色
Negro

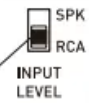

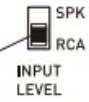

Preto
Черный
黑色
أسود

6

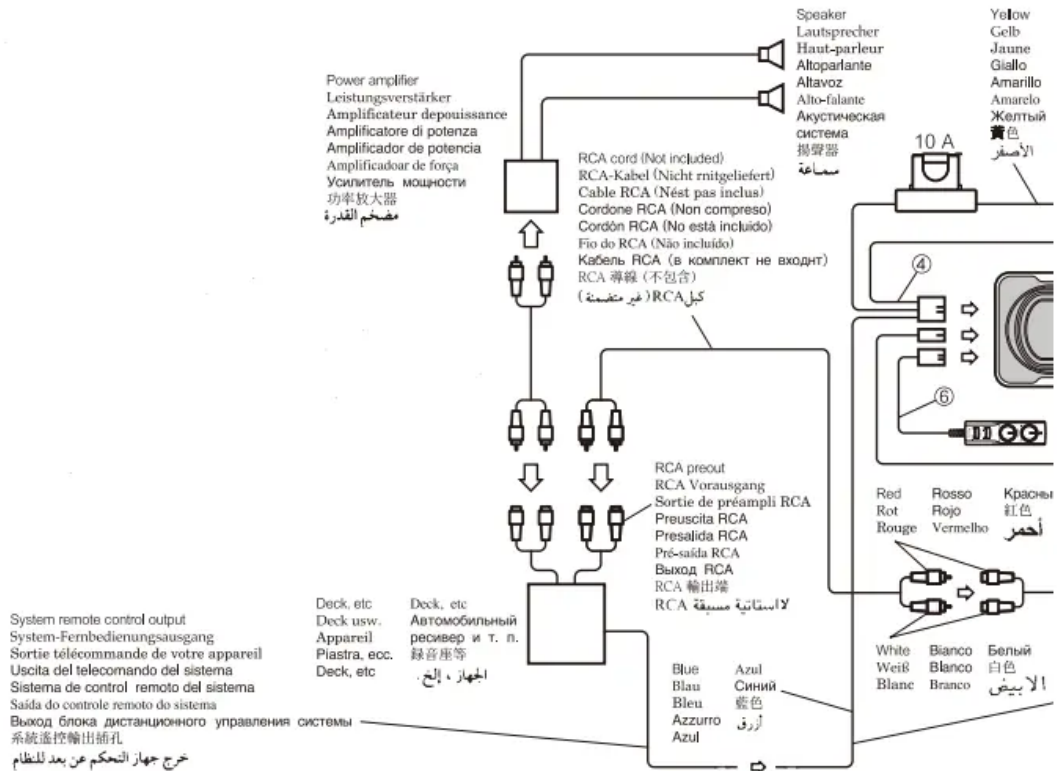
Please do not disconnect the remote-controller if using the speaker level input. The remote-controller is necessary to control the level and LPF. Bitte verwenden Sie unbedingt die Fernbedienung, falls Sie den Subwoofer direkt an Lautsprecherausgänge anschließen. Sie wird benötigt, um die Verstärkung und den Tiefpassfilter zu regeln.
Ne pas déconnecter la télécommande si vous utilisez l'entrée niveau haut-parleur. La télécommande est obligatoire pour contrôler le niveau d'entrée et le filtre passe-bas.
Per favore non staccare il telecomando se si utilizza l'ingresso di livello dei diffusori. Il telecomando è necessario per controllare il livello e LPF.
Por favor, no desconectar el mando-controlador si se utiliza nivel de entrada de los altavoces. El mando-controlador es necesario para controlar el nivel y LPF.
Por favor, não desligue o controlo remoto se utilizar a entrada de nível altifalante. O controlo remoto é necessário para controlar o nível e LPF.
Пожалуйста, не отсоединяйте пульт ДУ при использовании выходов высокого уровня. Он необходим для регулировки уровня сигнала и ФНЧ.
如果使用的是揚聲器輸入，請不要斷開遙控器，遙控器對輸出水平和LPF控制是必要的。
يرجى عدم القيام بفصل وحدة التحكم عن بعد في حالة استخدام دخل مستوى صوت السماعة. وحدة التحكم عن بعد ضرورية للتحكم في المستوى و LPF.

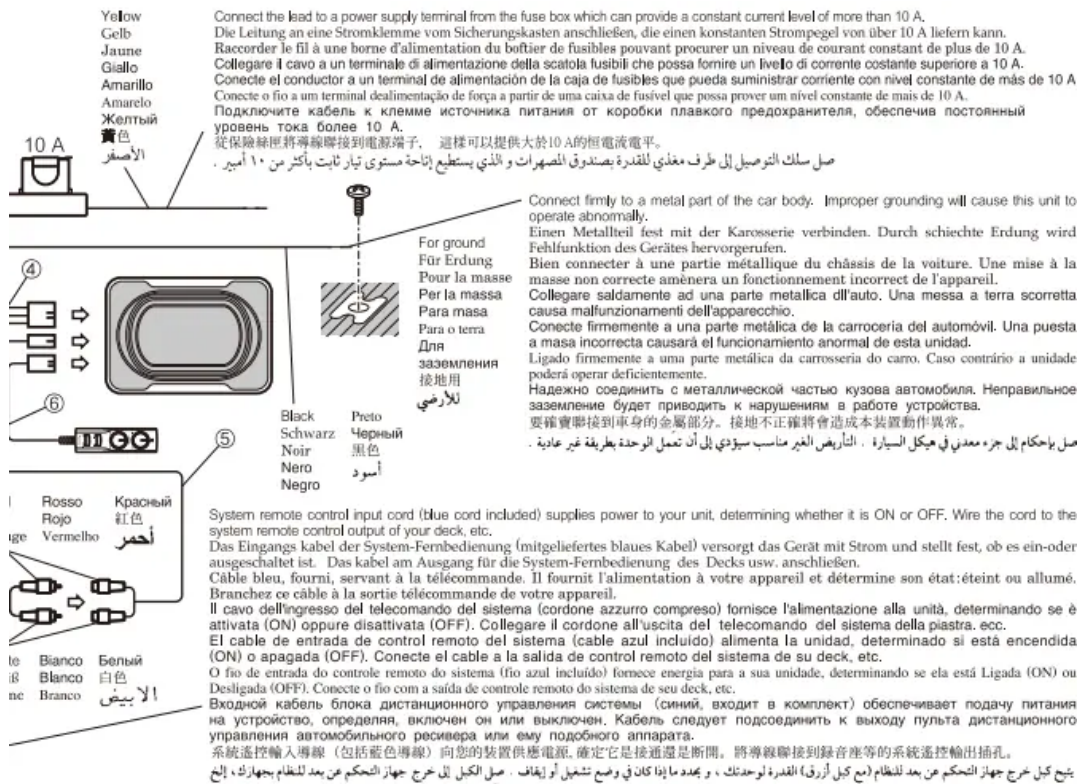
Wiring Example 2 (RCA Input System)



Car stereo Preouts Vorverstärkerausgänge Autoradio Sorties pré-amplificateur autoradio Preouts dell'autoradio Salida Previo Autoradio Pré-saídas do sistema de áudio do seu automóvel Выходы предусилителя головного устройства 車用立體聲裝置輸出端 مضخمات صوت متقدمة لأجهزة ستريو السيارات	INPUT MODE SELECT switch EINGANGSWAHLSCHALTER SÉLECTEUR D'ENTRÉE SELETORE MODALITÀ D'INGRESSO INTERRUPTOR SELECCIÓN MODO ENTRADA MODO DE LIGAÇÃO SELECIONE BOTÃO ПЕРЕКЛЮЧАТЕЛЬ РЕЖИМА ВХОДА 輸入模式選擇開關 مفتاح الخيار وضع الدخل	INPUT GAIN switch EINGANGSPEGELEINSTELLUNG RÉGLAGE NIVEAU D'ENTRÉE SELETORE INGRESSO GAIN INTERRUPTOR GANANCIA ENTRADA SELETOR DE ENTRADA DE GAIN ПЕРЕКЛЮЧАТЕЛЬ УСИЛЕНИЯ НА ВХОДЕ (GAIN) 輸入增益開關(INPUT GAIN) مفتاح INPUT GAIN
< 4 V		
≥ 4 V		

Shall be set in RCA
Einstellung "RCA"
Position sur NIVEAU RCA
Sarà impostato in RCA
Se configurará en RCA
Deverá ser definido em RCA
Необходимо установить в RCA
請務必切換到 "RCA"
قم بتحويل الوضع إلى "RCA"





✘ Note

If speaker line input wires from a headunit are connected to this amplifier, the amplifier will automatically turn on when the headunit is turned on. When the headunit is turned off, the amplifier turns off automatically. This function may not work with some headunits. In such cases, please use a system remote control wire and connect it to the accessory connector in the car's fuse unit from which over 2 A can be supplied.

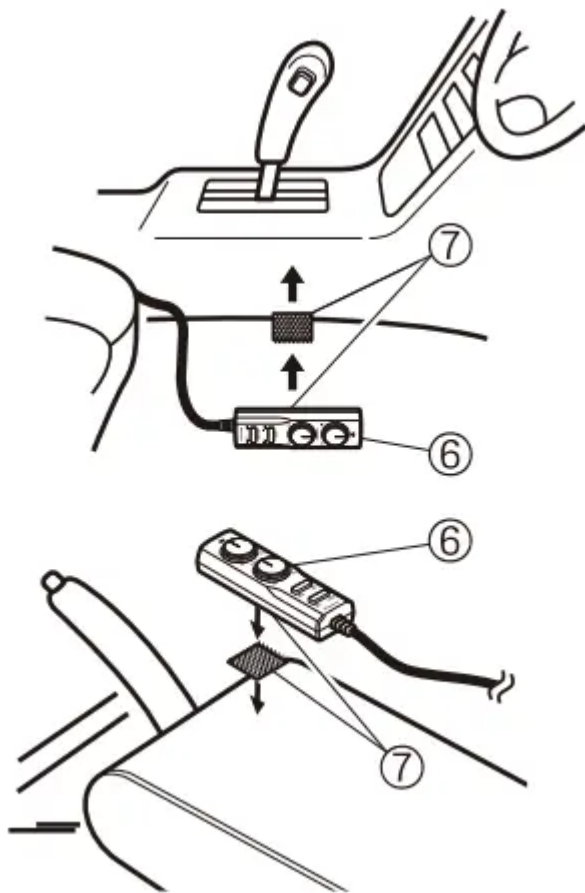
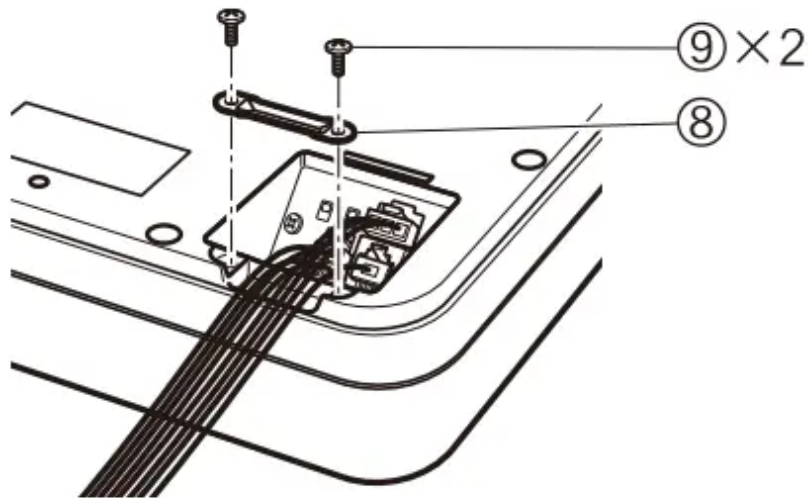
FINAL STEP OF THE INSTALLATION Finish the installation by reconnecting the vehicle's negative (—) battery lead.

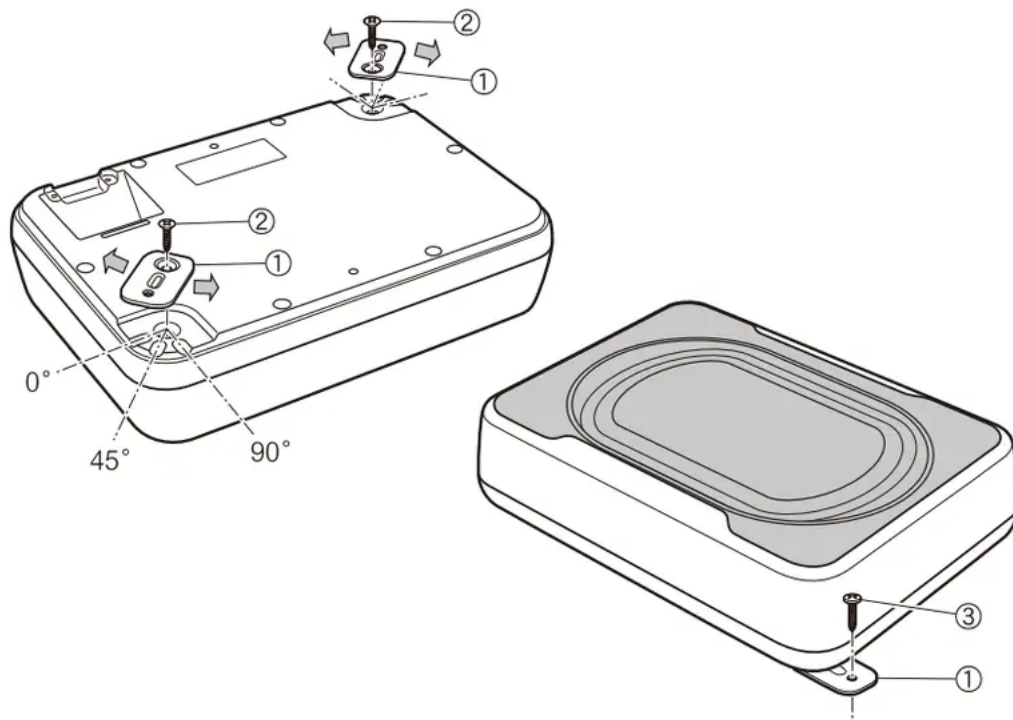
HOW TO INSTALL

• Attaching cord clampers




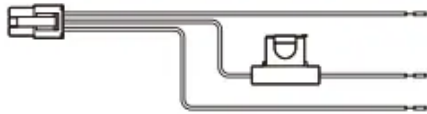

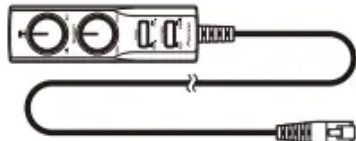
Please ensure you leave enough cable spare at the connector side for flexible and safe installation. To avoid damage to the remote control cable.

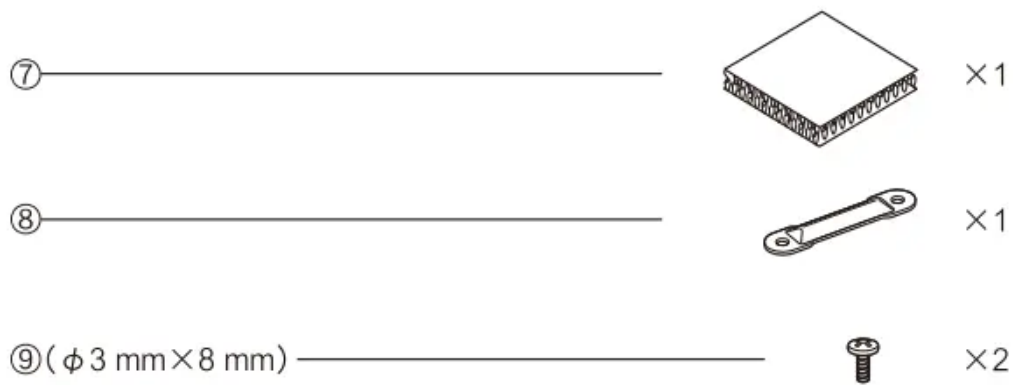
How to attach the remote control





PART INCLUDED

- ① _____  ×2
- ② (φ 5 mm × 14 mm) _____  ×2
- ③ (φ 5 mm × 18 mm) _____  ×2
- ④ 5 m _____  ×1
- ⑤ 0.2 m _____  ×1
- ⑥ 5 m _____  ×1



SPECIFICATIONS

• Speaker specifications

- Size
 - 201 mmx 129 mm (8"X5-1/4")
 - High compliance. rolled edge
 - Heat-resistant voice coil
 - Strontium magnet : 510 g (1 lb 2 Oz)

• Amplifier

- Max. Power output: 160 W (80 Hz. 35 % THD)
- Nom. Power output : 50 W (80 Hz. 1 % THD)
- Size 280 mm (11")(W)X 200 mm (7-7/8")(D) X70 mm (2-3/4"(H)
- Weight (including accessory parts) 3.50 kg (7 lb 11 02)
- Gross weight (including packaging)3.70 kg (8 lb 3.02)
- ✳ 2-mode selectable bass curve

Note:

Specifications and the design are subject to possible modification without notice due to improvements.

Warning

This content is compiled from multiple sources and is provided for reference purposes only. It may not be complete or fully applicable to all situations. If you are unable to resolve your issue, please contact the product manufacturer or an authorized service provider for official support.