



SWD-2030

Class-D Amplified Subwoofer

- OWNER'S MANUAL

Please read before using this equipment.

- BEDIENUNGSANLEITUNG

Lesen Sie diese Bedienungsanleitung bitte vor Gebrauch des Gerätes.

- MODE D'EMPLOI

Veuillez lire avant d'utiliser cet appareil.

- MANUAL DE OPERACIÓN

Léalo antes de utilizar este equipo.

- ISTRUZIONI PER L'USO

Si prega di leggere prima di utilizzare l'attrezzatura.

- ANVÄNDARHANDLEDNING

Innan du använder utrustningen bör du läsa igenom denna användarhandledning.

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DE

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ES

IT

SE

Owners Manual



SWD-2030

Class D Amplified Subwoofer

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Please follow these instructions for your safety

• Introduction:

Please read this owners manual thoroughly to familiarise yourself with each control and function. We at Alpine hope that your new SWD-2030 will give you many years of listening enjoyment.

In case of problems when installing your SWD-2030, please contact your authorised Alpine dealer.



CAUTION

This symbol means important instructions.

Failure to heed them can result in serious injury or death.

DO NOT DISASSEMBLE OR ALTER. Doing so may result in an accident, fire or electric shock.



KEEP SMALL OBJECTS SUCH AS BOLTS OR SCREWS OUT OF THE REACH OF CHILDREN. Swallowing them may result in serious injury. If swallowed, consult a doctor immediately.



USE THE CORRECT AMPERE RATING WHEN REPLACING FUSES. Failure to do so may result in fire or electric shock.



USE ONLY IN CARS WITH A 12 VOLT NEGATIVE GROUND. (Check with your dealer if you are not sure.) Failure to do so may result in fire, etc.



BEFORE WIRING, DISCONNECT THE CABLE FROM THE NEGATIVE BATTERY TERMINAL. Failure to do so may result in electric shock or injury due to electrical shorts.



DO NOT SPLICE INTO ELECTRICAL CABLES. Never cut away cable insulation to supply power to other equipment. Doing so will exceed the current carrying capacity of the wire and result in fire or electric shock.



DO NOT ALLOW CABLES TO BECOME ENTANGLED IN SURROUNDING OBJECTS. Arrange the wiring and cables in compliance with the manual to prevent obstructions when driving. Cables or wiring that obstruct or hang up on places such as the steering wheel, gear lever, brake pedals, etc. can be extremely hazardous.



DO NOT DAMAGE PIPES OR WIRING WHEN DRILLING HOLES. When drilling holes in the chassis for installation, take precautions so as not to contact, damage or obstruct pipes, fuel lines, tanks or electrical wiring. Failure to take such precautions may result in fire.



DO NOT USE BOLTS OR NUTS IN THE BRAKE OR STEERING SYSTEMS TO MAKE GROUND CONNECTIONS. Bolts or nuts used for the brake, steering systems (or any other safety related system), or any storage tanks should NEVER be used for installations or ground connections. Using such parts could disable control of the vehicle and/or cause fire, etc.



HALT USE IMMEDIATELY IF A PROBLEM APPEARS. Failure to do so may cause personal injury or damage to the product. Return it to your Authorised Alpine Dealer or the nearest Alpine Service Centre for repairing.



DO NOT OPERATE ANY FUNCTION THAT TAKES YOUR ATTENTION AWAY FROM SAFELY DRIVING YOUR VEHICLE. Any function that requires your prolonged attention should only be performed after coming to a complete stop. Always stop the vehicle in a safe location before performing these functions, Failure to do so may result in an accident.



CAUTION

This symbol means important instructions.

Failure to heed them can result in injury or property damage

MAKE THE CORRECT CONNECTIONS. Failure to make the proper connections may result in fire or product damage.



ROUTE THE WIRING TO ENSURE IT IS NOT CRIMPED OR PINCHED BY A SHARP METAL EDGE. Route the cables and wiring away from moving parts (like the seat rails) or sharp or pointed edges. This will prevent crimping and damage to the wiring. If wiring passes through a hole in metal, use a rubber grommet to prevent the wires insulation from being cut by the metal edge of the hole.



DO NOT BLOCK VENTS OR RADIATOR PANELS. Doing so may cause heat to build up inside and may result in fire.



USE SPECIFIED ACCESSORY PARTS AND INSTALL THEM SECURELY. Be sure to use only the specified accessory parts. Use of other than designated parts may damage this unit internally or may not securely install the unit in place. This may cause parts to become loose resulting in hazards or product failure.



DO NOT INSTALL IN LOCATIONS WITH HIGH MOISTURE OR DUST. Avoid installing the unit in locations with high incidence of moisture or dust. Moisture or dust that penetrates into this unit may result in product failure.



HAVE THE WIRING AND INSTALLATION DONE BY AN EXPERT. The wiring and installation of this unit requires special technical skill and experience. To ensure safety, always contact the dealer where you purchased this product to have the work done.



KEEP THE VOLUME AT A LEVEL WHERE YOU CAN STILL HEAR OUTSIDE NOISE WHILE DRIVING. Failure to do so may result in an accident.



USE THIS PRODUCT FOR MOBILE 12V APPLICATIONS. Use for other than its designed application may result in fire, electric shock or injury.



CAUTION IN USE

DO NOT USE A MOBILE PHONE NEAR THIS PRODUCT. Use of a mobile phone may cause interference and noise.

DO NOT EXCEED THE INPUT LEVEL SPECIFIED FOR THIS PRODUCT. If there is distortion or a popping noise from the subwoofer, the input level is too high. If the subwoofer has prolonged use in this condition, this may result in deterioration of performance or may cause damage to the subwoofer.

DAMAGE CAUSED BY EXCESSIVE INPUT LEVEL WILL NOT BE COVERED UNDER WARRANTY.

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TROUBLESHOOTING

If you have a problem with the product then please check the following before taking for repair.

SYMPTOMS	REASON	SOLUTION
Unit does not operate. (For example if the fuse is blown)	The head unit is not powered up.	Power up the head unit.
	Earth lead is not connected properly.	Check the earth lead connection
	The power lead to the battery is not connected properly.	Check the battery lead connection
There is power but no sound.	The fuse is blown.	Replace with a fuse of the correct rating.
	Remote turn on lead is not connected properly.	Check the remote turn on lead connection
	RCA leads are not connected.	Connect RCA leads correctly.
	Speaker level input cables are not connected properly	Check the speaker level input cable connections.
	The gain is not at the correct level for the system.	Adjust the gain setting to an appropriate level for the system.

SPECIFICATIONS

■ MAX POWER OUTPUT.....	350W
■ CROSSOVER.....	50~150Hz
■ INPUT IMPEDANCE.....	20k Ohm (Line Input) 50k Ohm (Speaker Input)
■ OPERATIONAL VOLTAGE.....	DC 14.4V (Operational between: 11~16V)
■ EARTH TYPE.....	Negative Earth
■ SENSITIVITY.....	96dB/10W.m
■ DIMENSIONS.....	340mm x 390mm x 395mm
■ WEIGHT.....	9.5kg

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PACKING LIST

PRODUCT NAME	QTY	PRODUCT NAME	QTY
7-Pin connector	1	Speaker to RCA connector (1M)	2

INTRODUCTION

- Please ensure that there is sufficient length of the various cables for your desired subwoofer location.
- Certain products are incompatible with this subwoofer. Please read the instructions of the product that will be used with the SWD-2030, alongside this manual during installation.

1. INSTALLATION

- 1 Park the car at a safe place, on a level surface. Apply the handbrake and remove the key.**
Work out where to install the subwoofer, and check that there is sufficient cable length.

- 2 Carry out the Installation.**



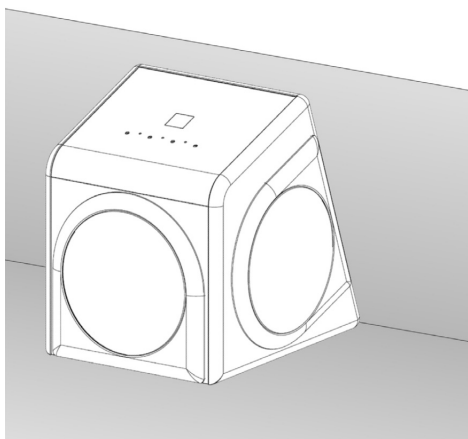
WARNING - DO NOT DAMAGE PIPE OR WIRING WHEN DRILLING HOLES. When drilling holes in the chassis for installation, take precautions so as not to contact, damage or obstruct pipes, fuel lines, tanks or electrical wiring. Failure to take such precautions may result in fire.



WARNING - DO NOT USE BOLTS OR NUTS IN THE BRAKE OR STEERING SYSTEMS TO MAKE GROUND CONNECTIONS. Bolts or nuts used for the brake or steering systems (or any other safety related system), or tanks should NEVER be used for installations or ground connections. Using such parts could disable control of the vehicle and cause fire, etc.

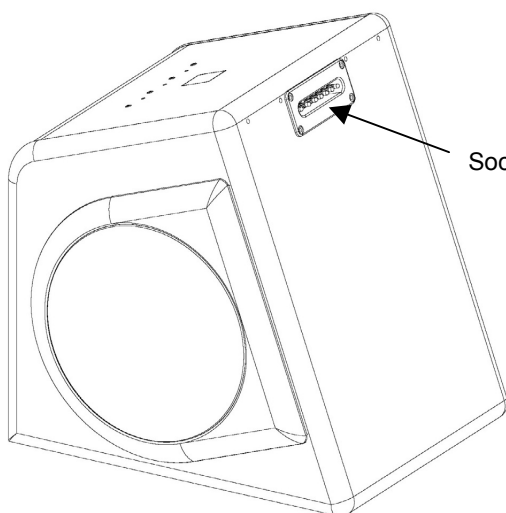
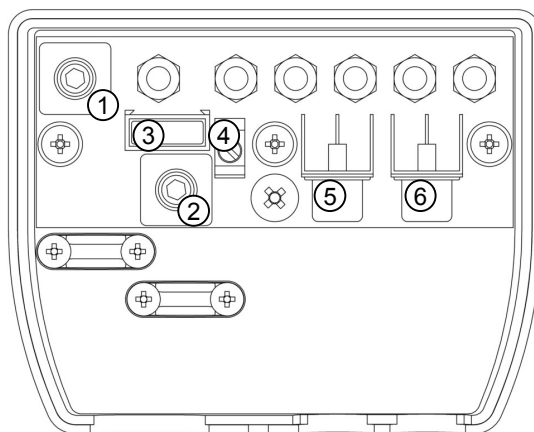
- 1 Check for instalation locations and possibilities.
- 2 Decide where you want to have the subwoofer located.

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2. CONNECTION

- ① Ground connection (Chassis)
- ② Battery extension lead
- ③ Fuse 20A
- ④ Remote Connector
- ⑤ RCA and speaker input left
- ⑥ RCA and speaker input right



Socket for SWD 2030 compact plug

1 FIRST

- Make all connections securely.
- Any unused connections should be insulated with electrical insulation tape.

2 Disconnect the cable from the negative terminal of the car battery.



Memo

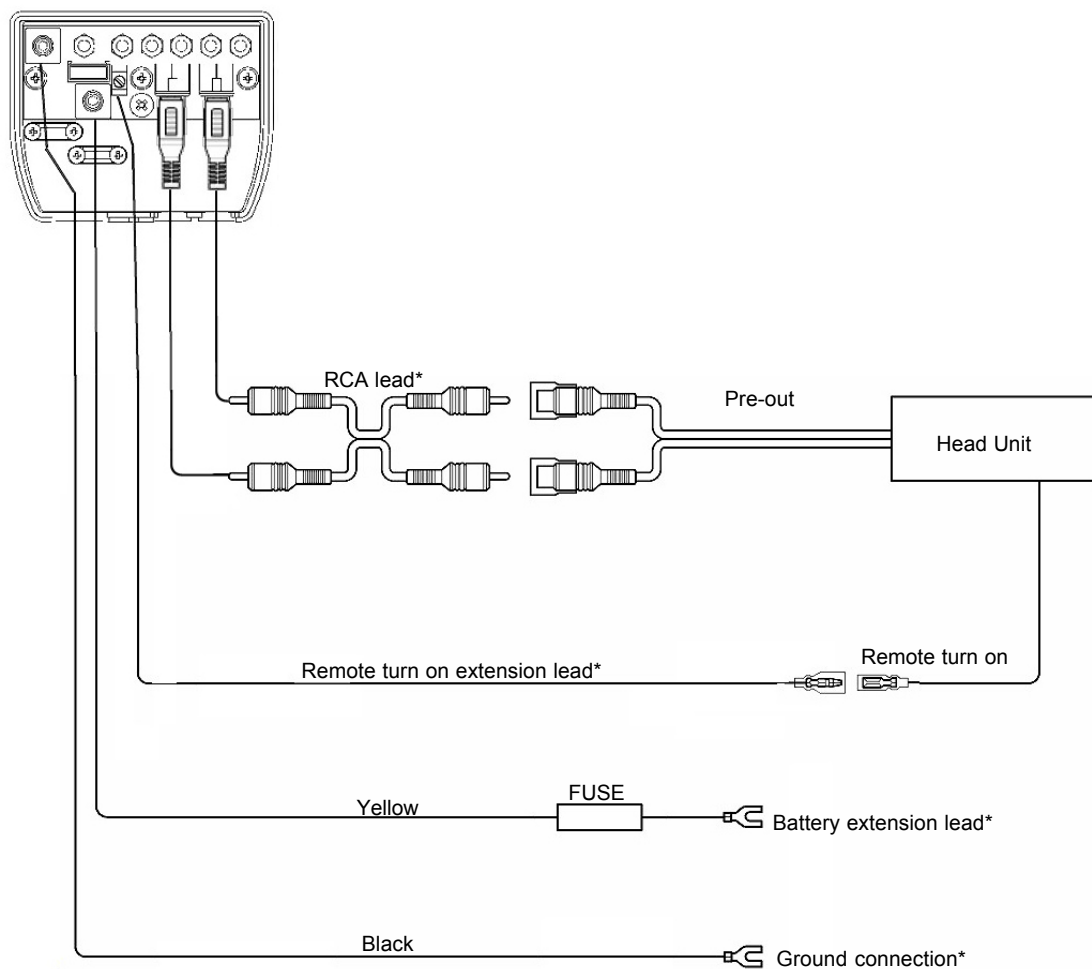
- On cars fitted with computers and other such devices (e.g. head units with security code), you may lose the memory when disconnecting the negative lead.

3 Connect



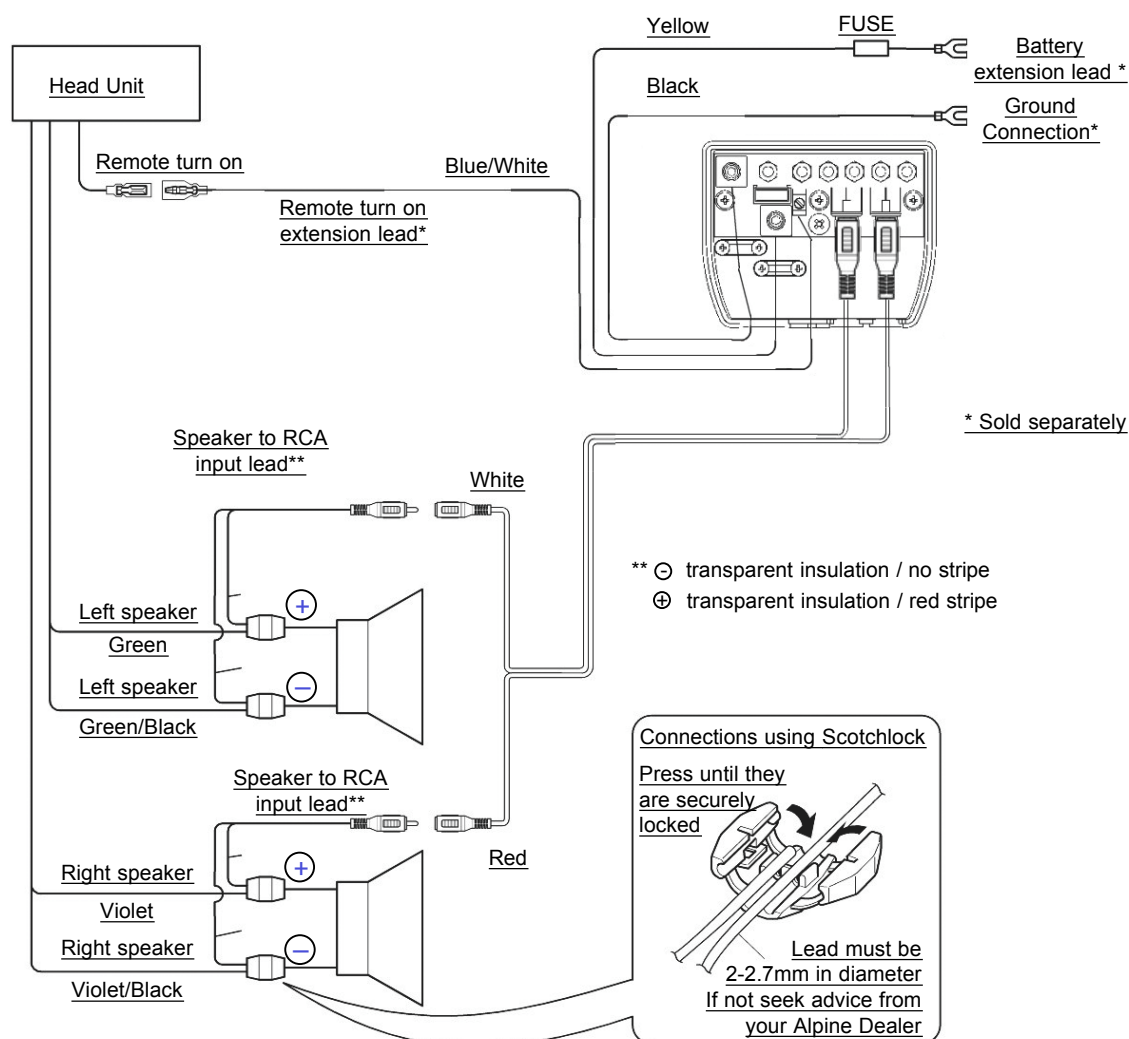
CAUTION – PLEASE FOLLOW THE INSTRUCTIONS CAREFULLY. Failure to do so may result in fire, accident or electrical shock.

• CONNECTIONS FOR RCA INPUT



* Sold separately

• CONNECTIONS FOR SPEAKER LEVEL INPUT



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Type of Lead	Additional Information
Remote turn on lead	Connect the remote cable coming from the radio. In case your radio does not provide a remote signal, the SWD-2030 will generate it from the radio outputs and switch on and off together with the radio. A remote cable may also be connected when using High-Power radio outputs, but in general this is not necessary.
Ground lead	Attach securely and safely to a bare metal spot of the car's chassis.
Battery power lead	Connect directly to the positive terminal of the car's battery.



Memo

- This product cannot be used with cars fitted with a common negative speaker system.
- Speaker impedance must be 3.2 ~ 8 ohms.
- To prevent external noise from entering the audio system:

- Locate the unit and route the leads at least 10 cm away from the car harness.
- Keep the battery power leads as far away from other leads as possible.
- Connect the ground lead securely and safely to a bare metal spot (remove the coating if necessary) of the car chassis.
- If you add an optional noise suppressor, connect it as far away from the unit as possible. Your Alpine Dealer carries various Alpine noise suppressors, contact them for further information.
- Your Alpine Dealer knows best about noise prevention measures so consult your dealer for further information.

3. CHECK

- 1 Secure all loose cables.



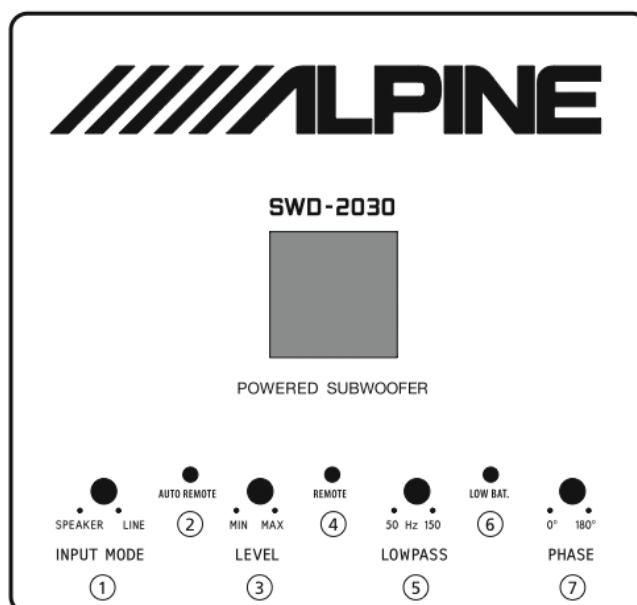
CAUTION - ARRANGE THE WIRING SO IT IS NOT CRIMPED OR PINCHED BY A SHARP METAL EDGE. Route the cables and wiring away from moving parts (like the seat rails) or sharp or pointed edges. This will prevent crimping and damage to the wiring. If wiring passes through a hole in metal, use a rubber grommet to prevent the wires insulation from being cut by the metal edge of the hole.

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- 2 Reconnect the negative lead to the battery terminal
- 3 By switching on the head unit, verify that the subwoofer is working.
- 4 Check that all electrical functions of the car are operational. (lights, indicators, horn etc.)

4. ADJUSTMENT

1. Input mode selector (line or high-level)
2. Indicator for auto-remote by radio outputs
3. Volume level adjustment
4. Remote signal indicator
5. Adjustment lowpass filter
6. Indicator Low Battery
7. Phase shift adjust



CAUTION DO NOT EXCEED THE INPUT LEVEL SPECIFIED FOR THIS PRODUCT.

If there is distortion or a popping noise from the subwoofer the input level is too high.

If the subwoofer has prolonged use in this condition, this may result in deterioration of performance or may cause damage to the subwoofer.

4. ADJUSTMENT

1. Before powering-up the system, please adjust as follows: Depending on what input signal you use (Line or speaker input) : Level to Min, LPF to middle position (75Hz) and Phase Shift to 0°.
2. Set the radio bass and treble adjust to "0" or "neutral". Adjust the radio volume to an average level. Use music that you are familiar with. This is helpful to find the optimal adjustments.
3. Now slowly turn up the input sensitivity until the sound quality seems balanced. Do not adjust the input sensitivity too high, as distortion may occur. Too high radio volume will also cause significant distortion. Make sure that the sound of the other speakers is undistorted before you continue. Reduce the radio volume when you hear audible distortion.
4. After the input sensitivity has been adjusted, set your lowpass filter according to the highpass filters of the other speakers. We recommend 75Hz, which is center position.
5. Adjusting the lowpass filter changes the sound of the subwoofer. Repeat steps 3 and 4 until the optimum is found.
6. Last adjustment is the phase shift. Turn the control very slowly between 0° and 180° while listening to music in the usual listening position. Listen to the sound and keep the adjustment position that sounds best and most balanced in its spectrum. The optimal adjustment depends on many acoustical factors and shape of the vehicle, as well as the distance of the subwoofer to the listening position.

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