

# DS18®

## SQ BASS-8

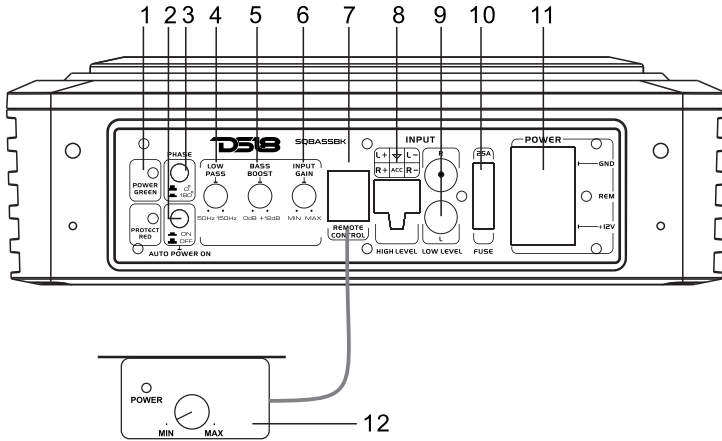
### 8" SLIM AMPLIFIED SUBWOOFER



# #WELIKEITLOUD



# INSTRUCTIONS FOR FUNCTIONS AND CONTROLS



## 1. INDICATOR LED

When the amplifier is operating correctly the LED of G-power will show as green. When the amplifier is in protection mode the LED of R-protect will show as red.

## 2. AUTO POWER ON

The AUTO POWER ON(ON/OFF) is for high level(speaker-level) connections. When the switch is in the "ON" position, the subwoofer AUTO POWER ON when there is signal input. If the amplifier detects no signal input, the amplifier will auto turn on/off connection, the switch is in the OFF position.

## 3. PHASE

Phase adjusting switch, the phase ranges from 0~180 degrees.

## 4. Low pass

Low pass frequency adjusting knob, the frequency ranges from 50Hz to 150Hz.

## 5. BASS BOOST

The boost ranges from 0dB to 12dB.

## 6. GAIN

Knob for volume adjustment.

## 7. REMOTE CONTROLLER OUTLET

To be connected with the remote controller, which helps to boost the gain. Pls turn the knob of volume to be maximum before using the remote .

## 8. HIGH LEVEL (speaker level) INPUTS

If your head unit does not have RCA outputs you can use the speaker outputs for the audio source for the subwoofer. Use the supplied cable and wire harness and connect the outputs properly as shown in the connection diagram in this manual.

## 9. LOW LEVEL INPUTS

Low level inputs are the recommended way to introduce the audio signal to the subwoofer if RCA outputs are present on your head unit or other signal source(such as a sound processor).

### 10.FUSE

Standard automatic fuse, you must use the same power fuse if you need to change it.

### 11.+12V

Anode of power connection terminals. Connect to the anode of car battery.

### REM

Terminal to be connected with Remote cable, which comes from the source and which controls the amplifier switching on. Applied voltage must be between 10 and 15VDC.

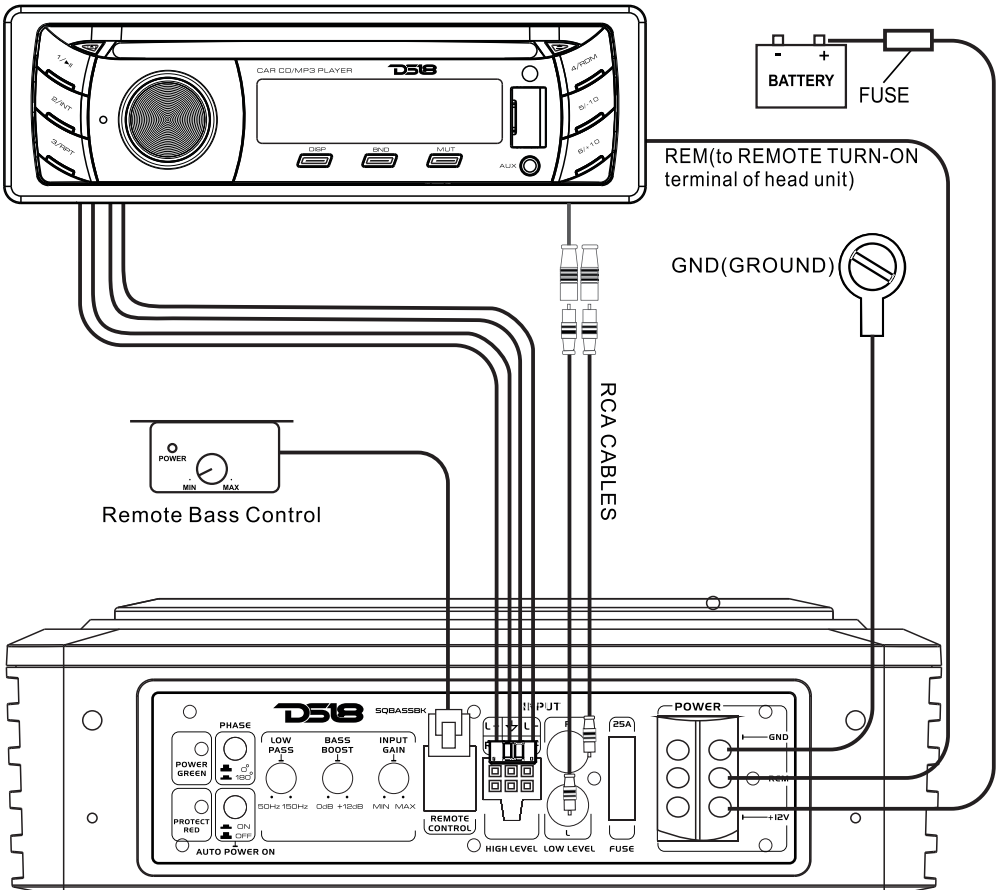
### GND

Ground terminal. Connect to the car chassis. Keep the length of the ground cable to a minimum.

### 12.REMOTE CONTROLLER

volume level knob ,the Gain ranges from 0.1 V to +3.5V.

## LEVEL INPUT WIRING



# SPECIFICATIONS

RMS Power @ 14.4V DC	
2 Ohm	150W x 1
THD	< 0.5%
Signal-to-Noise Ratio	>80dB
Frequency response	20Hz-150Hz
Input sensitivity,high level	300mV-10V
Input sensitivity,low level	100mV-3.5V
Low pass Filter	50-150Hz
Bass Boost	0 to +12dB
Subsonic Filter	20Hz
Fuse rating	25A
Subwoofer	8inch,2ohm
Size L x W x H	290*245*77mm

# TROUBLESHOOTING

If you experience operation or performance problems with this product, compare your installation with the electrical wiring diagram on the previous pages. If problems persist, read the following troubleshooting tips which may help eliminate the problems.

## **Amplifier will not power up.**

Check that the remote input (turn-on) has at least 5VDC.

Check to make sure you have a good ground connection.

Check that there is battery power in the (+) terminal.

Check that there is at least 12V.

Check all fuse, replace if necessary.

Make sure that the protection LED is not illuminated. If it is lit, shut off the amplifier briefly, and then repower it.

## **Protection LED comes on when amplifier is powered up.**

Check for short circuits on speaker leads.

Turn down the volume control on the head unit to prevent overdriving.

Remote speaker leads, and reset the amplifier. If the protection LED still comes on, then the amplifier is faulty and needs servicing.

## **No output.**

Check that all fuses are OK.

Check that unit is properly grounded.

Check that the remote input (turn-on) has at least 5VDC.

Check that all the RCA audio cables are plugged into the proper inputs.

Check all speaker wiring.

## **Low output.**

Reset the level control.

Check the crossover control settings.



**High hiss in the sound.**

Disconnect all RCA inputs to the power sub's control panel. If the hiss disappears, then plug in the component driving the amplifier and unplug its input. If the hiss disappears at this point, go on until the faulty/noisy component is found.

It is best to set the amplifier's input level control as low as possible. The best subjective signal-to-noise ratio is achieved in this matter, Try to set the headunit as high as possible. (without distortion) and the amp input level as low as possible.

**Squealing noise is present.**

Check for improperly grounded RCA interconnects.

**Distorted sound.**

Check that the input level control is set to match the signal level of the head unit. Always try to set the input level as low as possible.

Check that all crossover frequencies are properly set.

Check for short circuits on the speaker leads.

**Amplifier gets very hot.**

Check that the minimum speaker impedance for the amp model is correct.

Check that there is good air circulation around the amp. In some applications, it may be necessary to add an external cooling fan.

**Engine noise (static type).**

This is usually caused by poor quality RCA cables, which can pick up radiated noise. Use only the best quality cables. And route them away from power cables.

**Engine noise (alternator whine).**

Check that the RCA grounds are not shorted to the vehicle chassis.

Check that the headunit is properly grounded.



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