



# DS18 CANDY-6 6 Channel 1800 Watts Max Full Range Class D Amplifier Owner's Manual

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ds18-logo

**DS18 CANDY-6 6 Channel 1800 Watts Max Full Range Class D Amplifier**



Congratulations on purchasing this DS18 CANDY-6 Class D Full-Range Amplifier. The amplifier has been designed using the latest electronic technology available, allowing you to produce high quality stereo playback in mobile applications. This system provides you with low harmonic distortion, a considerable amount of reserve voltage and high temperature stability.

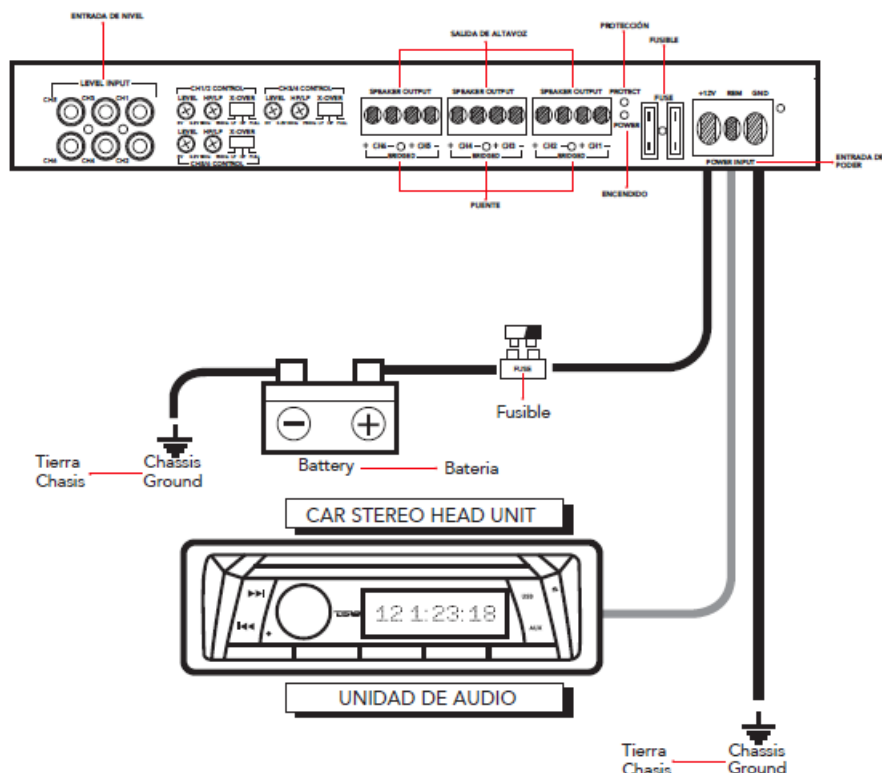
## IMPORTANT

- Since the amplifier is sensitive to electrical and motor noise and interference from the amplifier may affect your radio reception, try to mount it at least 3 feet away from the receiver. Good locations include under a seat, in the trunk or hatch area.
- Please remember this is a high power unit which generates high electrical energy and heat. Therefore be sure to install the unit in a place with sufficient airflow, a minimum of dust and no moisture. Allow enough space around the cooling fins to permit reasonable airflow and cooling. It is important to ensure that the cooling fins of the heat sink are not against a panel or a surface preventing air circulation.
- Never mount the amplifier in a location that is subject to direct sunlight or exposed to moisture. Be sure to mount the amplifier to a strong, solid surface which will not give way under the stress of a sudden stop or accident.
- When mounting the amplifier on a side wall, try to position it so that the slots in the cooling fins are vertical. Amplifier should not be mounted on the bottom of a rear deck with the fins facing down because the heat will radiate back up into the amplifier. Leave yourself enough room on either side of the amplifier to make all the wire connections and adjust the controls. If you have a subwoofer box in your vehicle, you can mount the amplifier on the outside of the box.

**CAUTION:** If you are mounting the amplifier to the vehicle's floor, check beneath the car to be sure your screws won't puncture a brake or gas line.

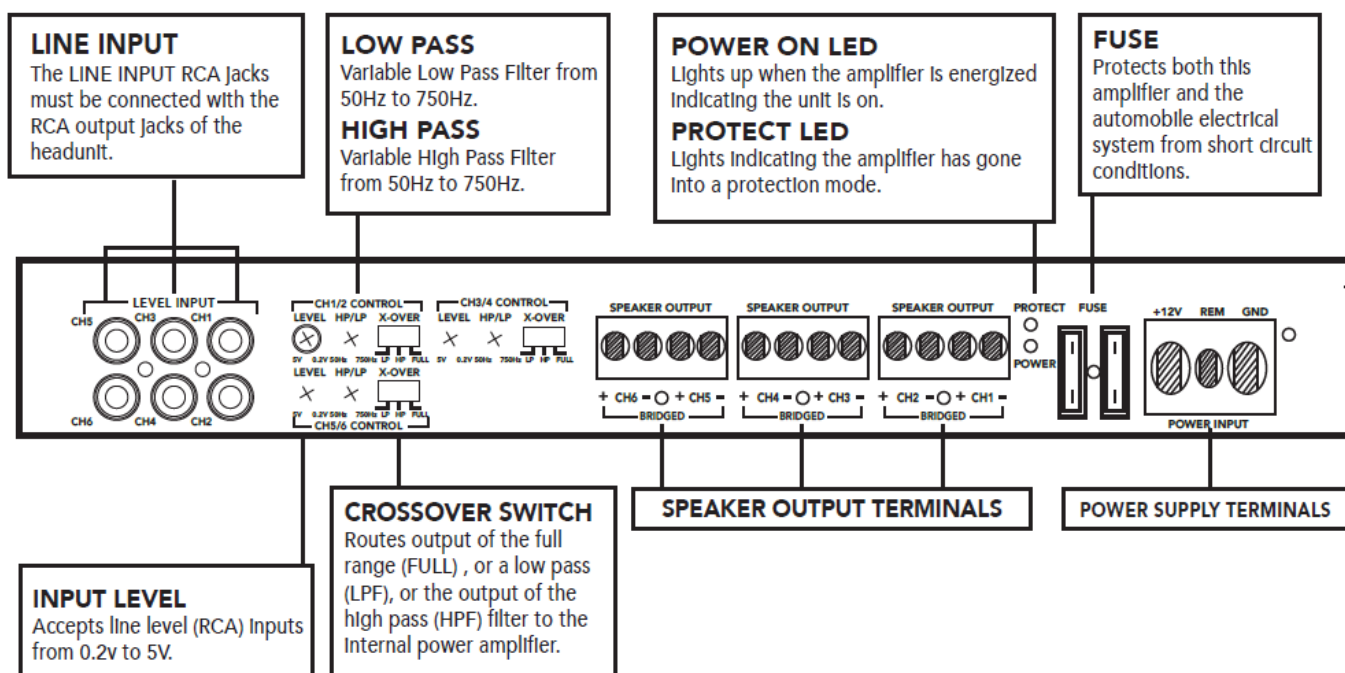
**WARNING:** Continuous exposure to sound pressure levels over 100dB may cause permanent hearing loss. High power auto sound system may produce sound pressure levels well over 130dB, use common sense and practice safe sound please!

## POWER CONNECTION

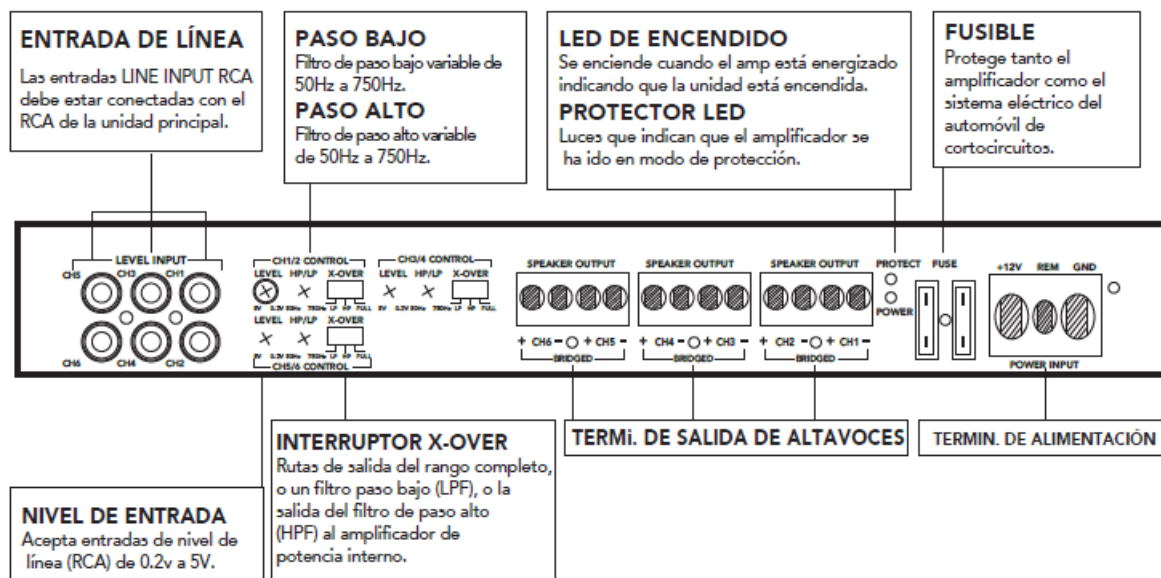


**IMPORTANT:** Before making any connections, disconnect the car's battery until the installation is completed to avoid possible damage to electrical system

## FEATURES



## CARACTERISTICAS



## APPLICATIONS

### INPUT CONNECTIONS

This amplifier has RCA connections for low level inputs. Low level signal is carried through RCA cables. It is preferred to use low level inputs to the amplifier if the head unit is equipped with the low level outputs.

### SPEAKER OUTPUT CONNECTIONS

You do not need to make any adjustment for the input connection of the amplifier before you connect the speaker output.

- Connect subwoofer wire to corresponding speaker output terminals of the amplifier
- Be sure to have the positive wire from the speaker to the positive speaker terminal of the amplifier and the negative wire from the speaker must connect with the speaker terminal of the amplifier. Reversing any of these connections will result in the speaker cones moving out of phase which causes bass cancellation.

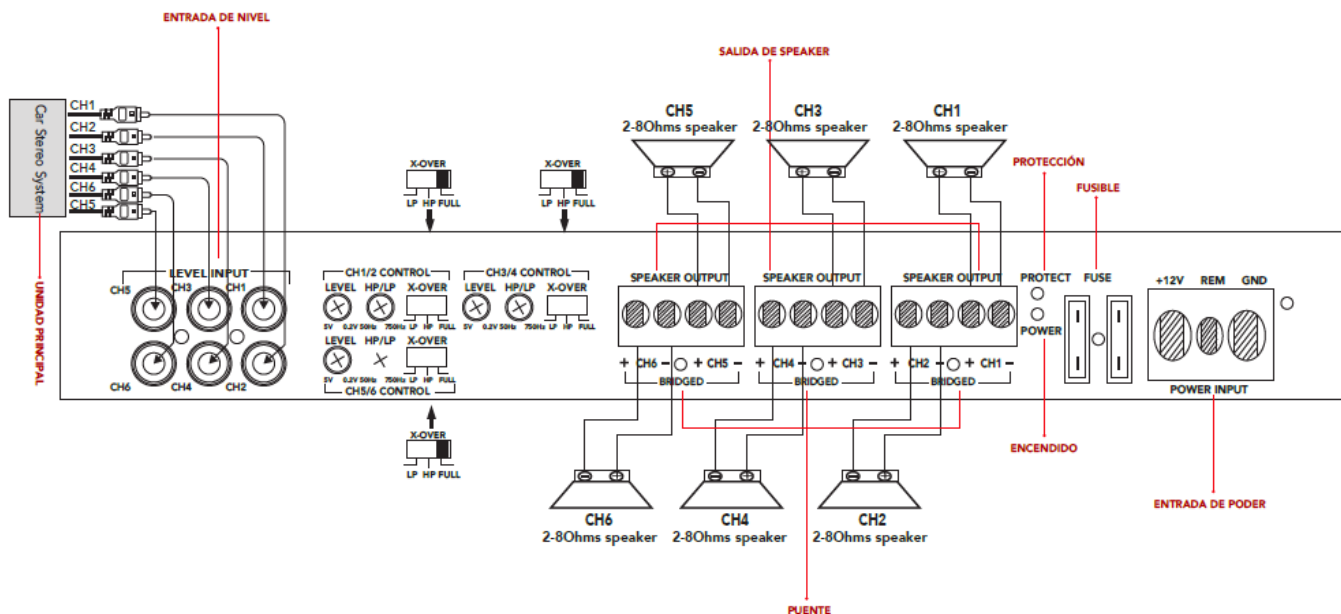
### LEVEL CONTROLS

Turn the VOLUME control on the amplifier to Min initially

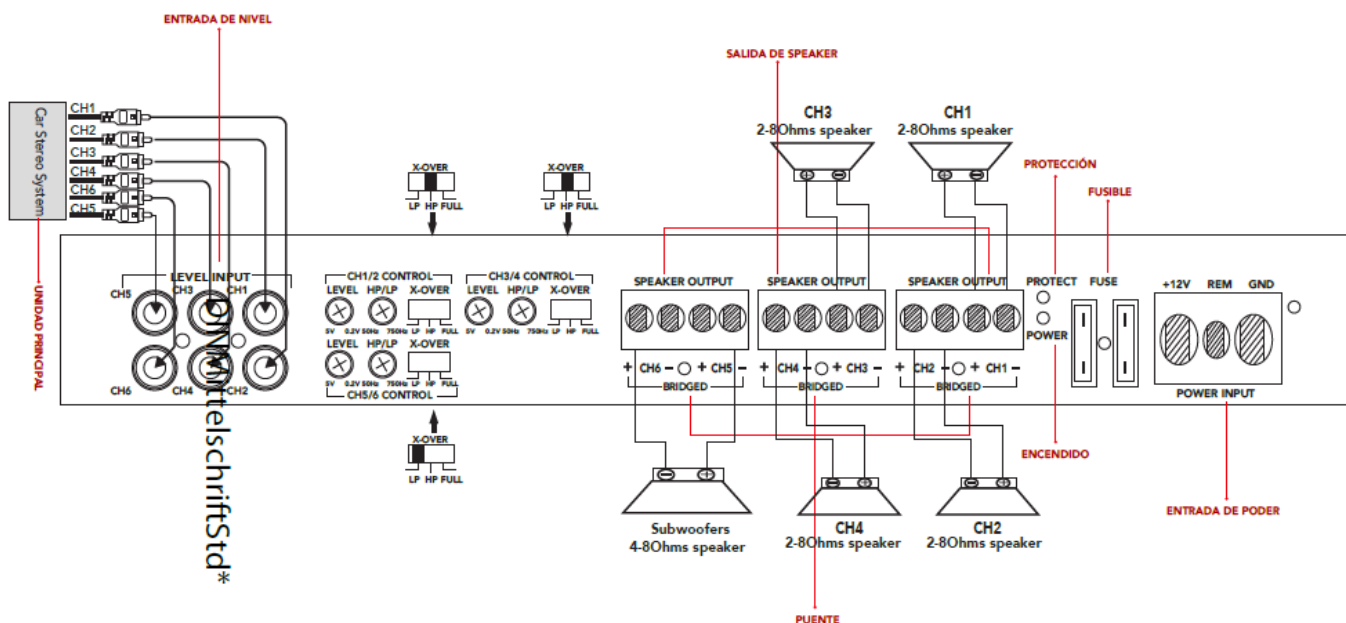
Once the initial power sequence has been performed, set the CD/RADIO volume control to roughly 80% of full.

Insert a CD or tune to a radio station and slowly turn up the amplifier VOLUME control until you hear some distortion, and then back it off for a clean sound.

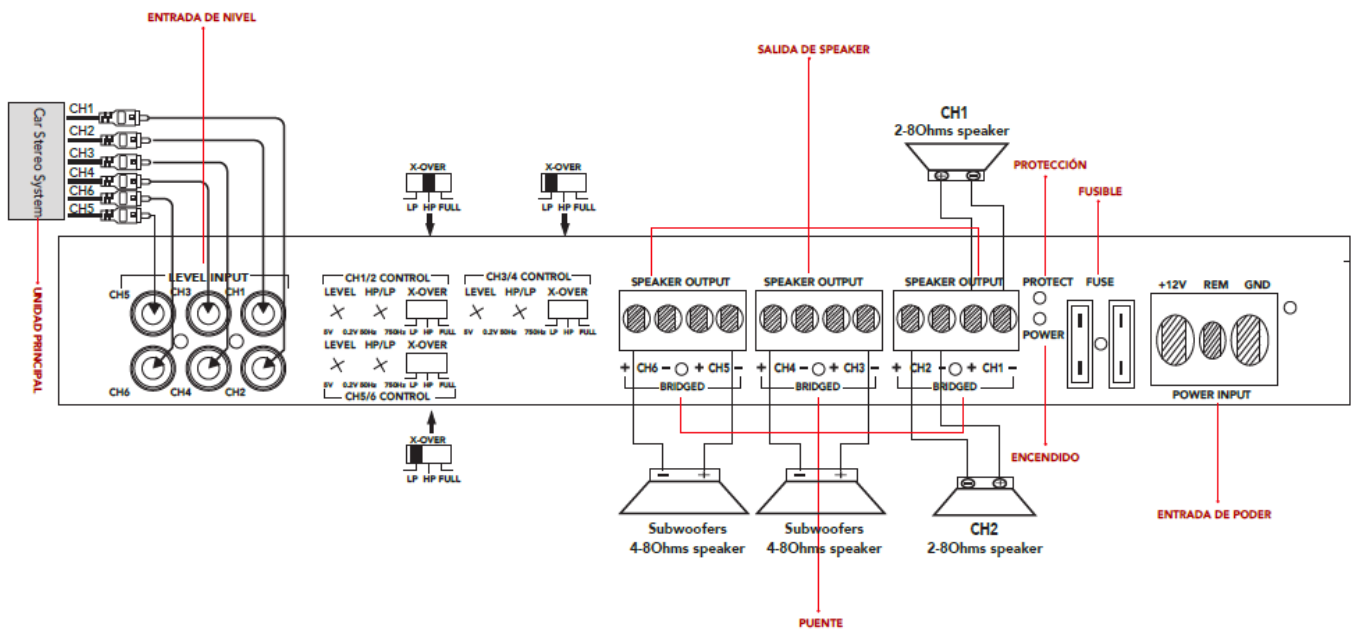
### APPLICATIONS – 6 CHANNEL MODE



## APPLICATIONS – 5 CHANNEL MODE



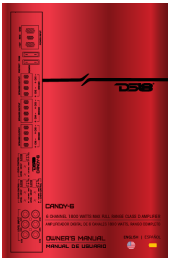
## APPLICATIONS – 4 CHANNEL MODE



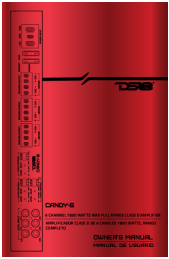
## SPECIFICATIONS

MODEL	CANDY-6
class	class-d / DIGITAL
channels	6
TOTAL WATTS (PEAK)	1800W
rms power @ 4 ohm	80W x 6ch
rms power @ 2 ohm	125W x 6ch
rms power @ 4 ohm bridge	250W x 3ch
frequency response	10Hz-60kHz
signal/noise ratio	>80
THD % / DISTORCION ARMONICA TOTAL (THD)%	<0.01%
low level input range	0.2-5V
SELECTABLE X-OVERE	LPF/HPF/FULL
X-OVER FILTER RANGE	50HZ-750Hz
bass boost RANGE	0-12
BASS BOOST FREQUENCY	45Hz
LED INDICATOR	POWER/PROTECTION
power input size	4ga
fuse rating	2X40A
THERMAL PROTECTION	>158OF
over-load protection	yes / SI
short circuit output protection	yes / SI
voltage input protection	9-16v
dimensions LxDxH (inches)	14.4 x 5.7 x 1.69" / 36.57x 14.47x 4.29

## Documents / Resources



[DS18 CANDY-6 6 Channel 1800 Watts Max Full Range Class D Amplifier](#) [pdf] Owner's Manual  
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