

SISTEMAS de SAIDA de AUDIO para AUTOMÓBIL

Xullo Xermade

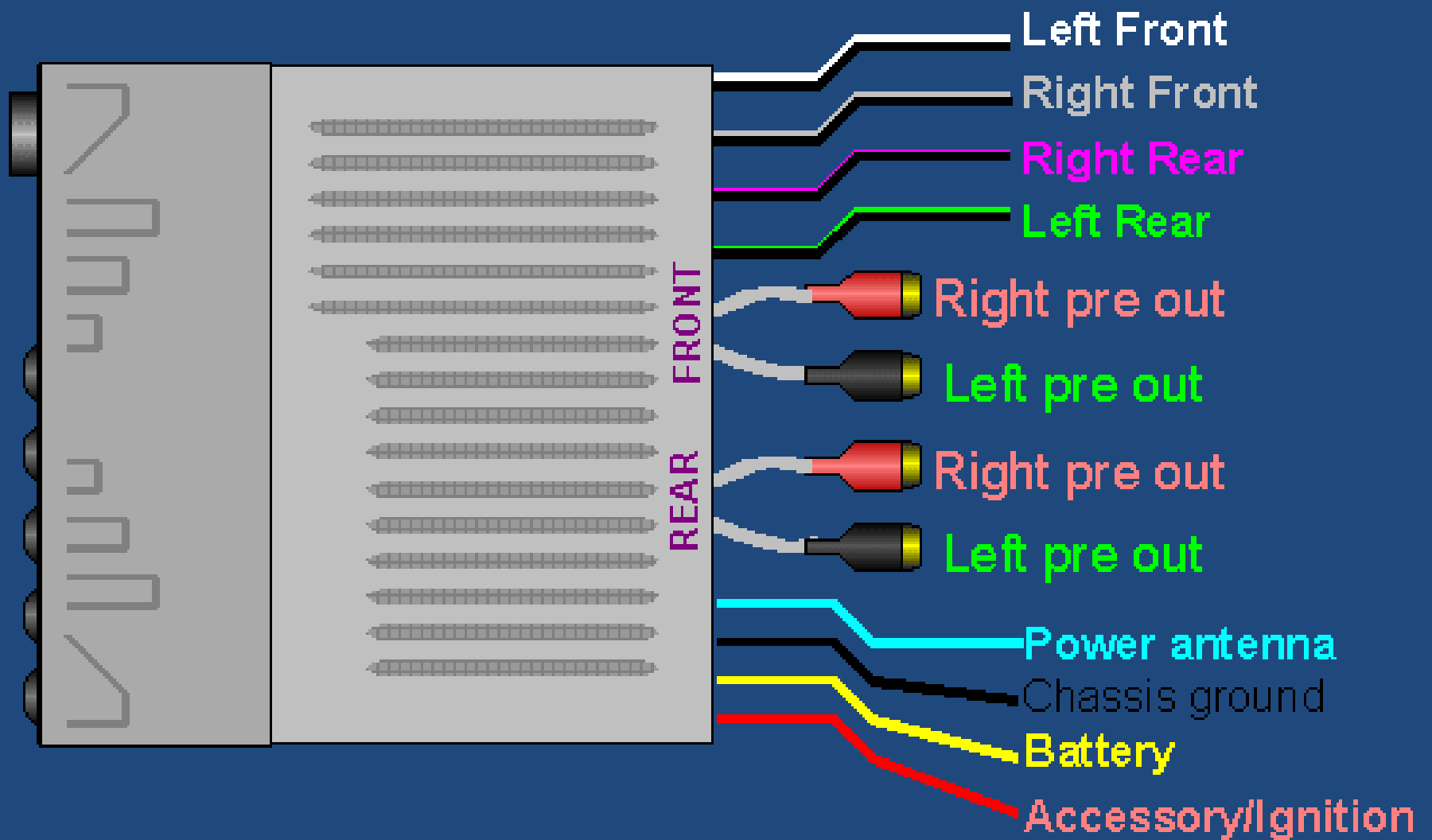
CONFIGURACIÓN



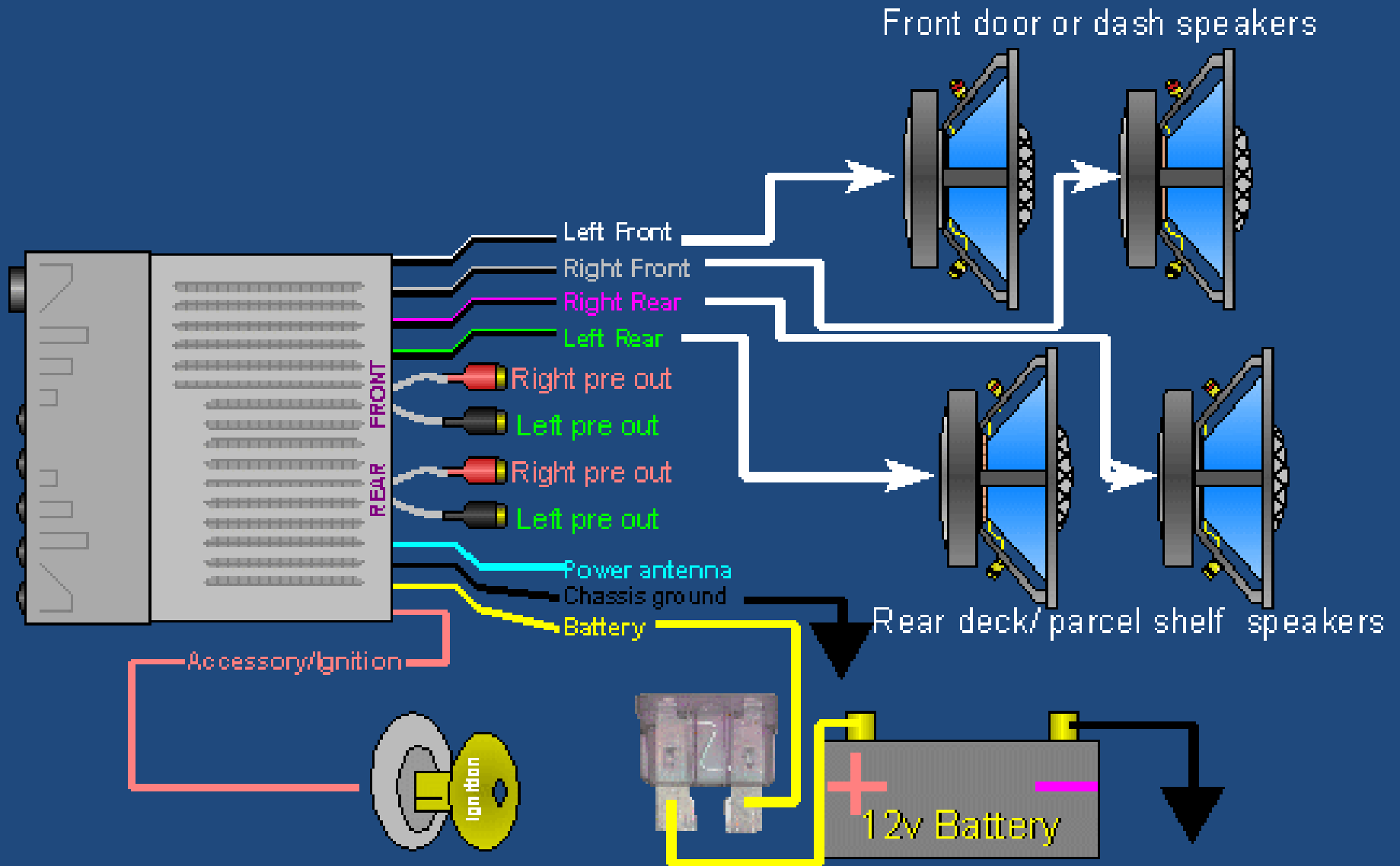
CAFI

Compostela 2013

Xornadas de Transporte e mantemento de vehículos

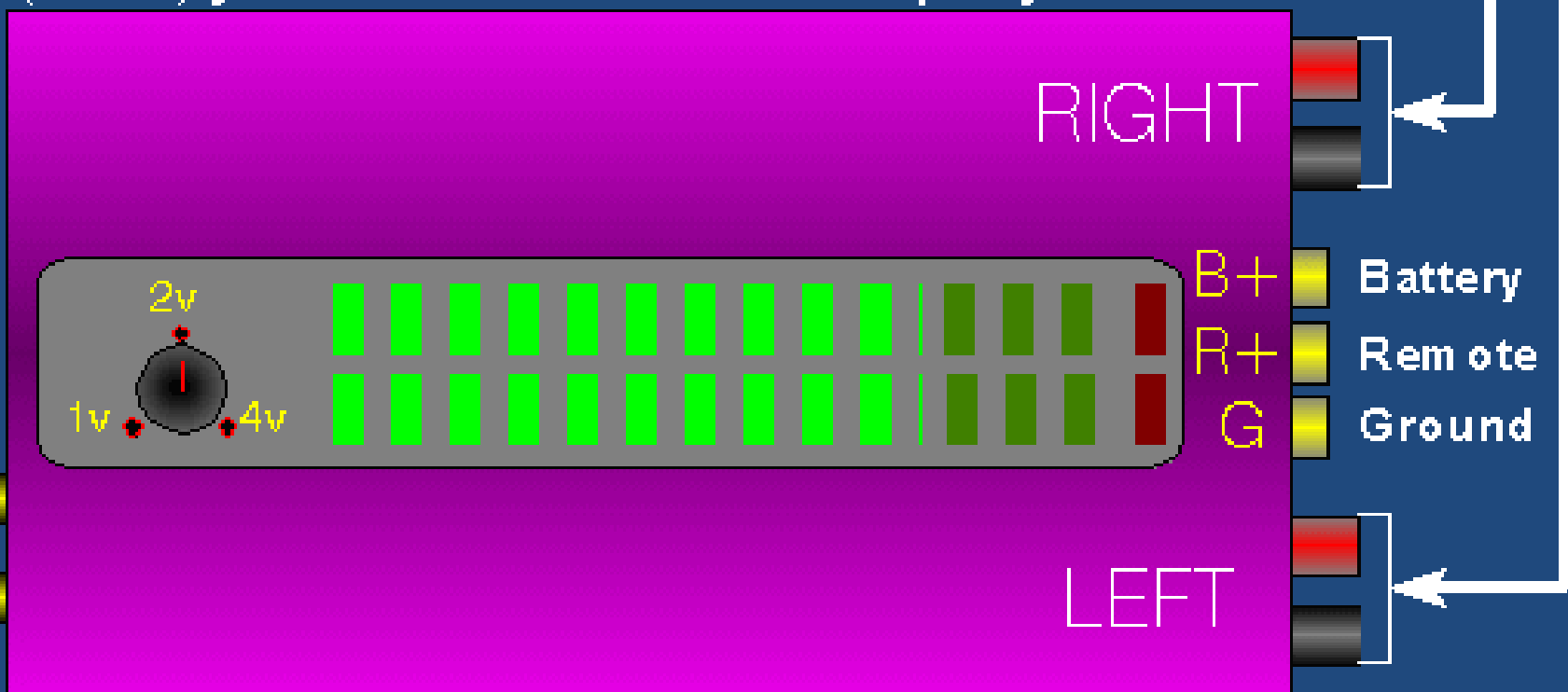


Sistema simple



Amplifier input
(RCA) jacks

Speaker
output jacks

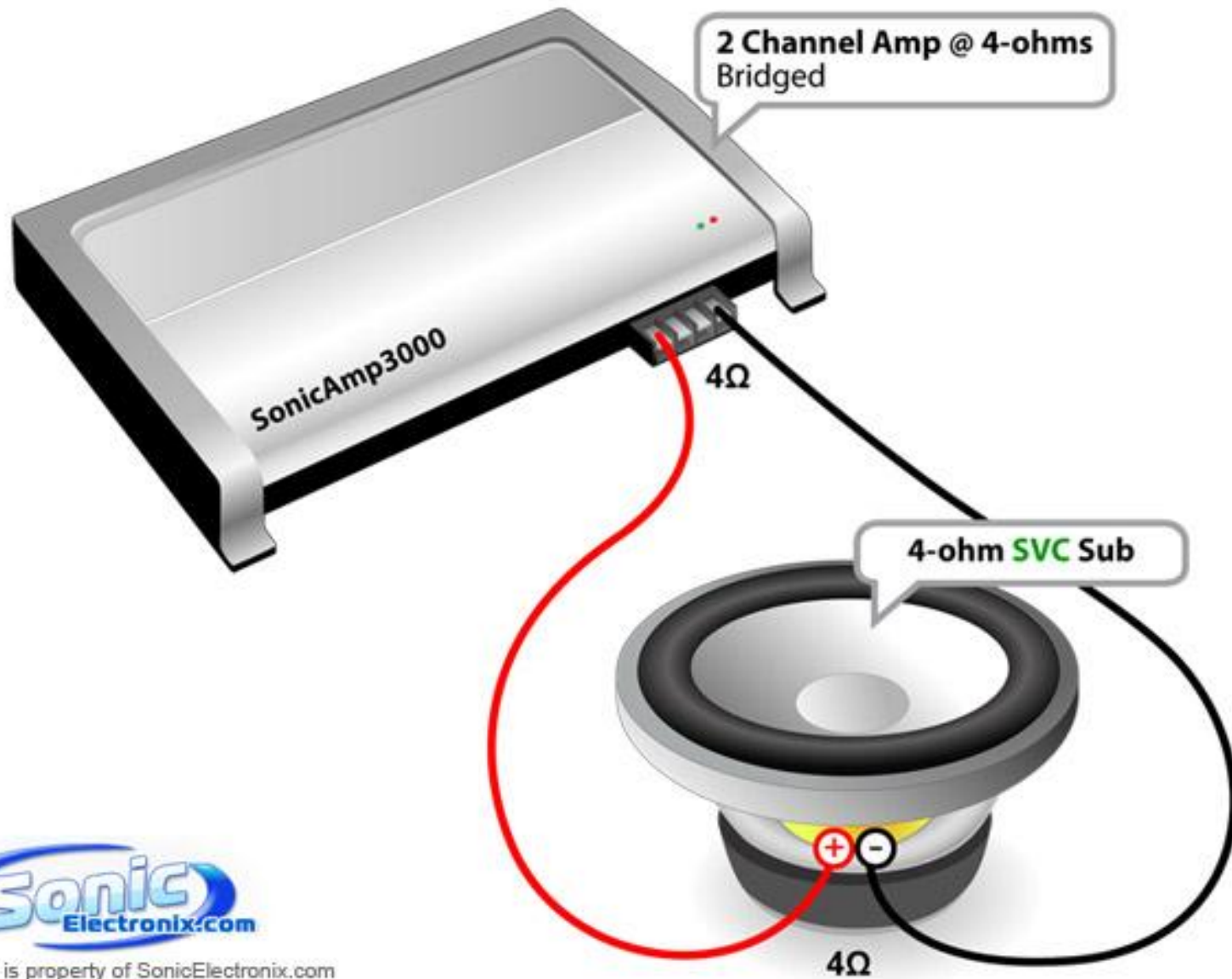


RIGHT

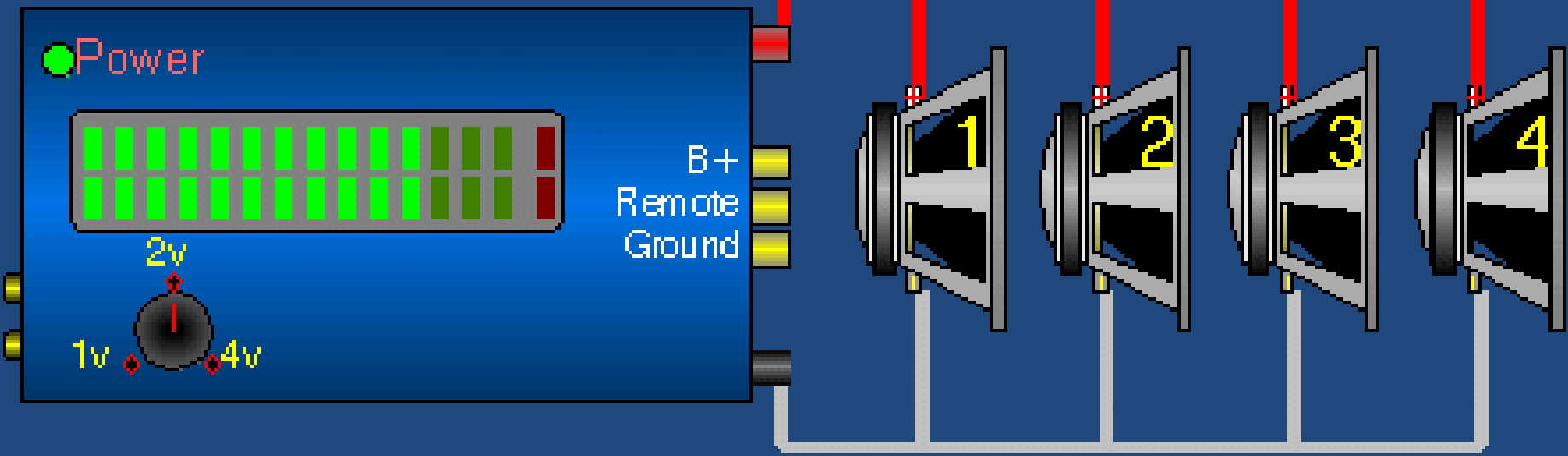
LEFT

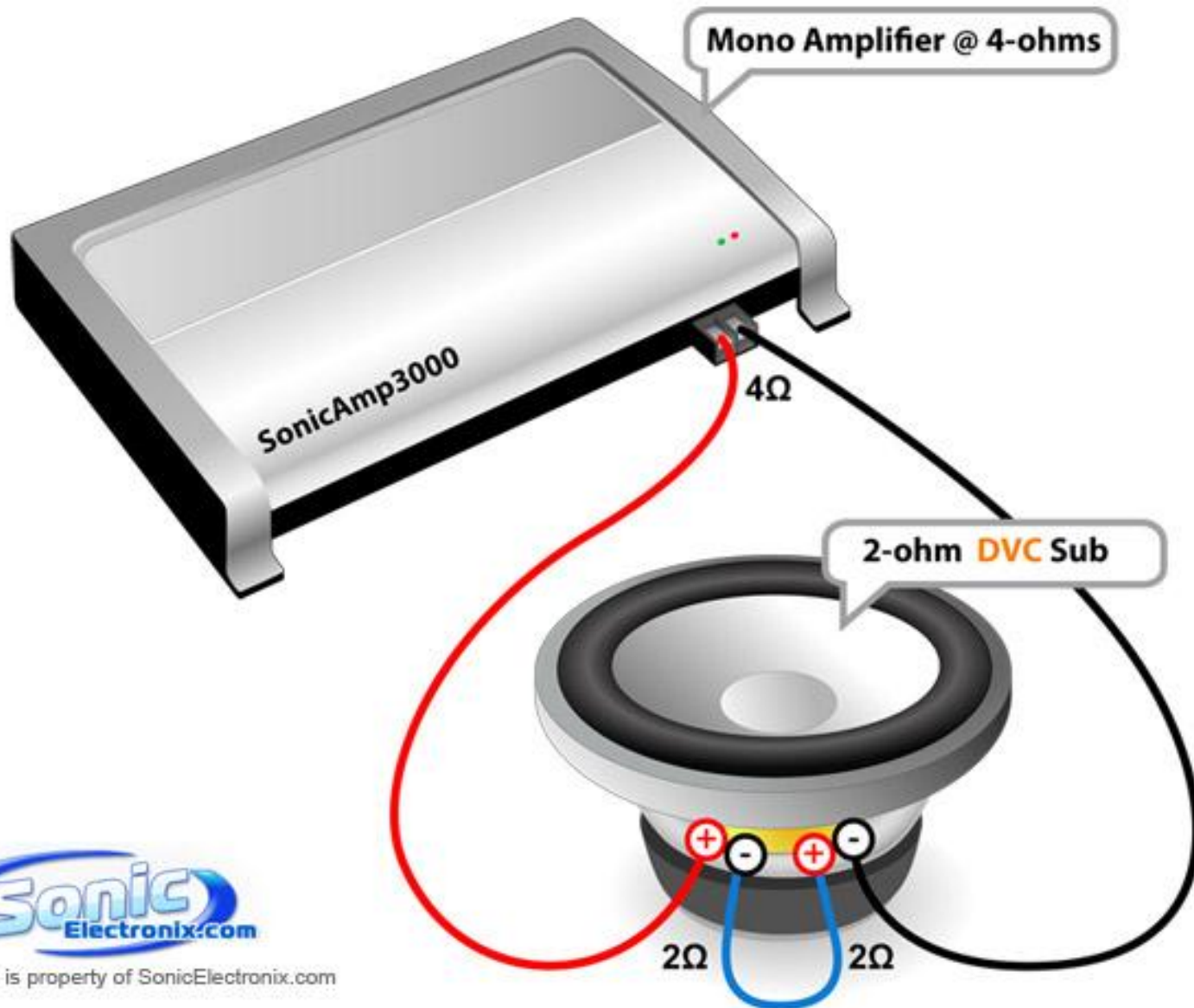
2v
1v 4v

B+ Battery
R+ Remote
G Ground



This image is property of SonicElectronix.com

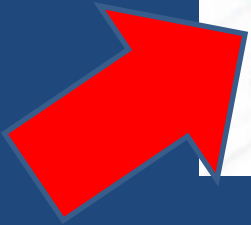




Two 2 ohm DVC Speakers = 1 ohm load



Two 2 ohm DVC Speakers = 4 ohm load

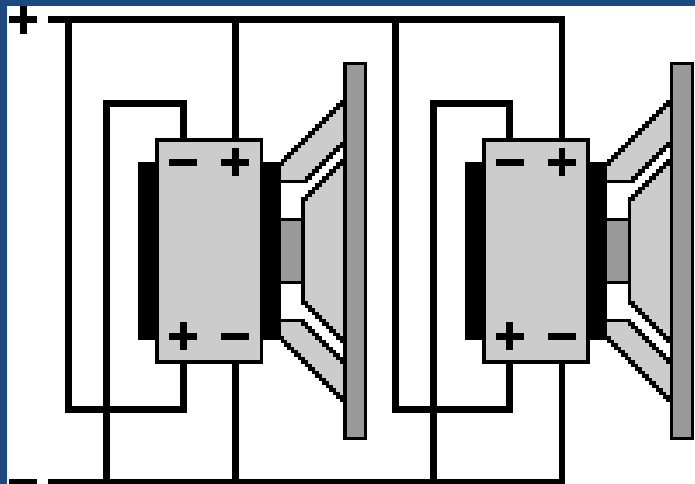


Two 2 ohm DVC Speakers = 0.5 ohm load

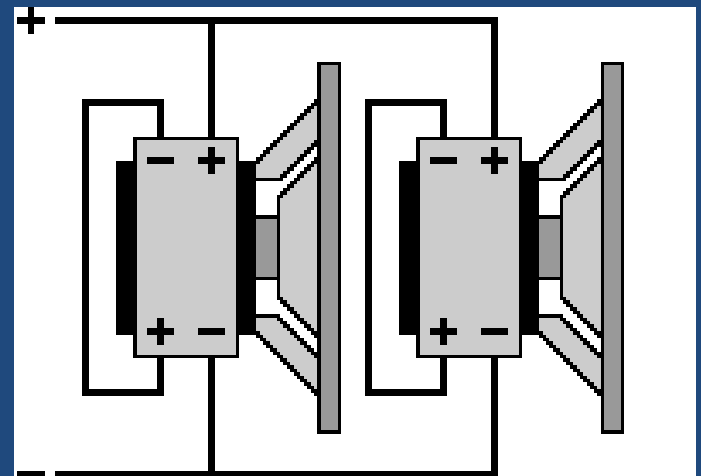


Two 2 ohm DVC Speakers = 2 ohm load

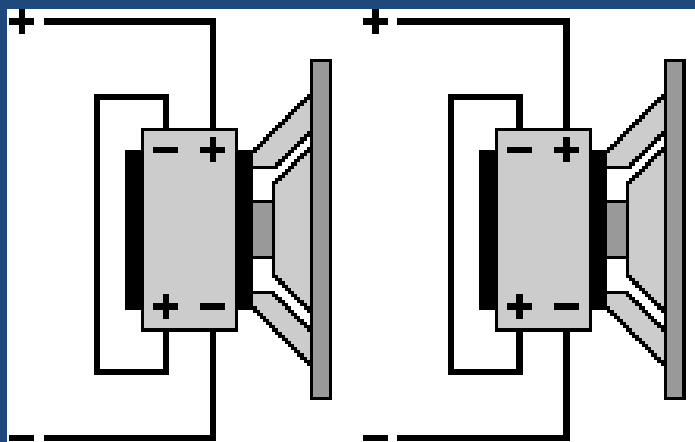




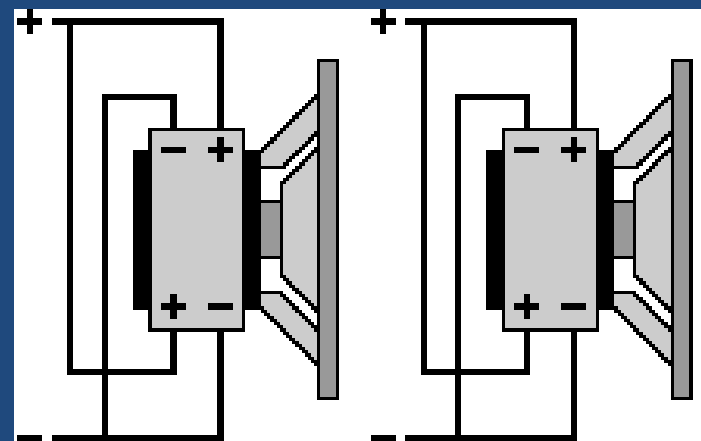
4 coils in parallel 1 Ohm



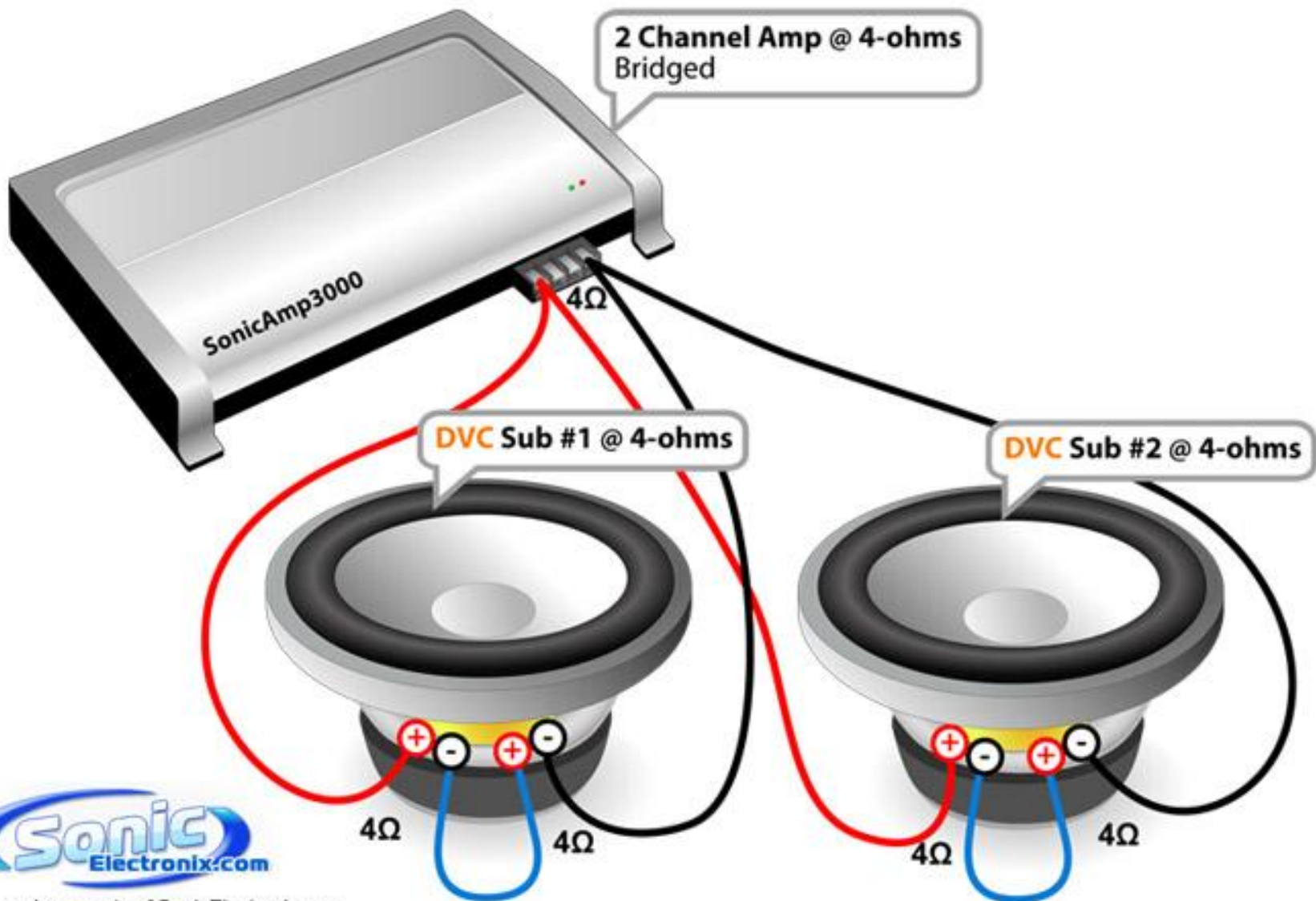
2 parallel 2 series 4 Ohms



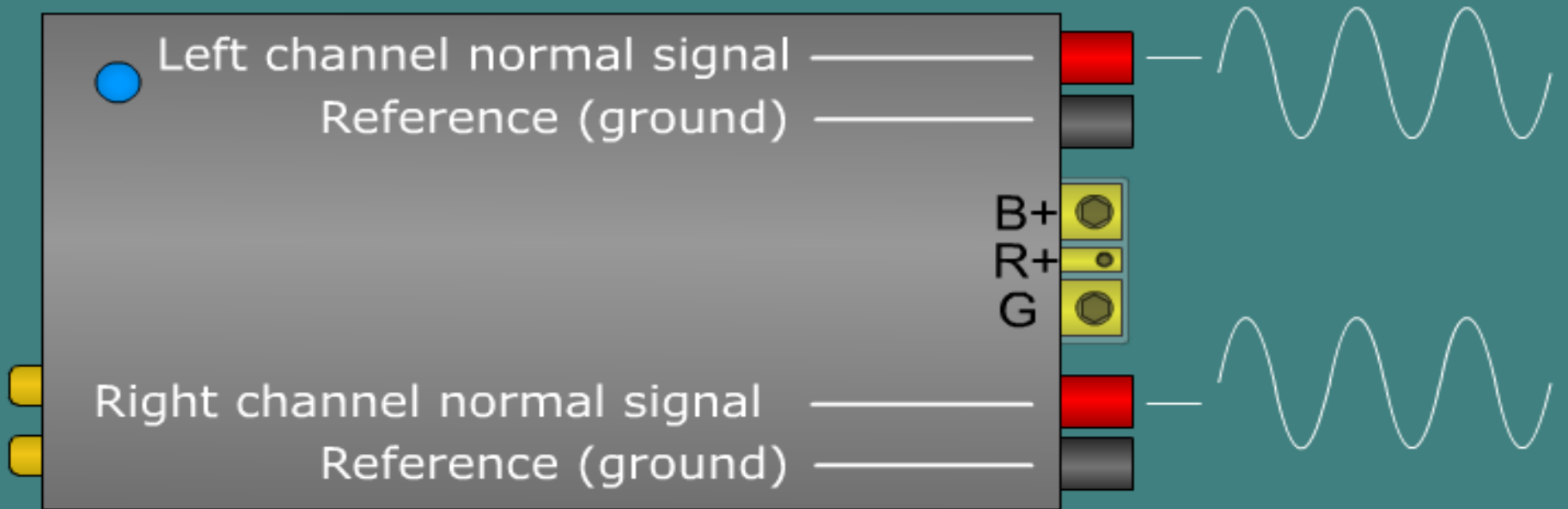
2 coils in series 8 Ohms x 2



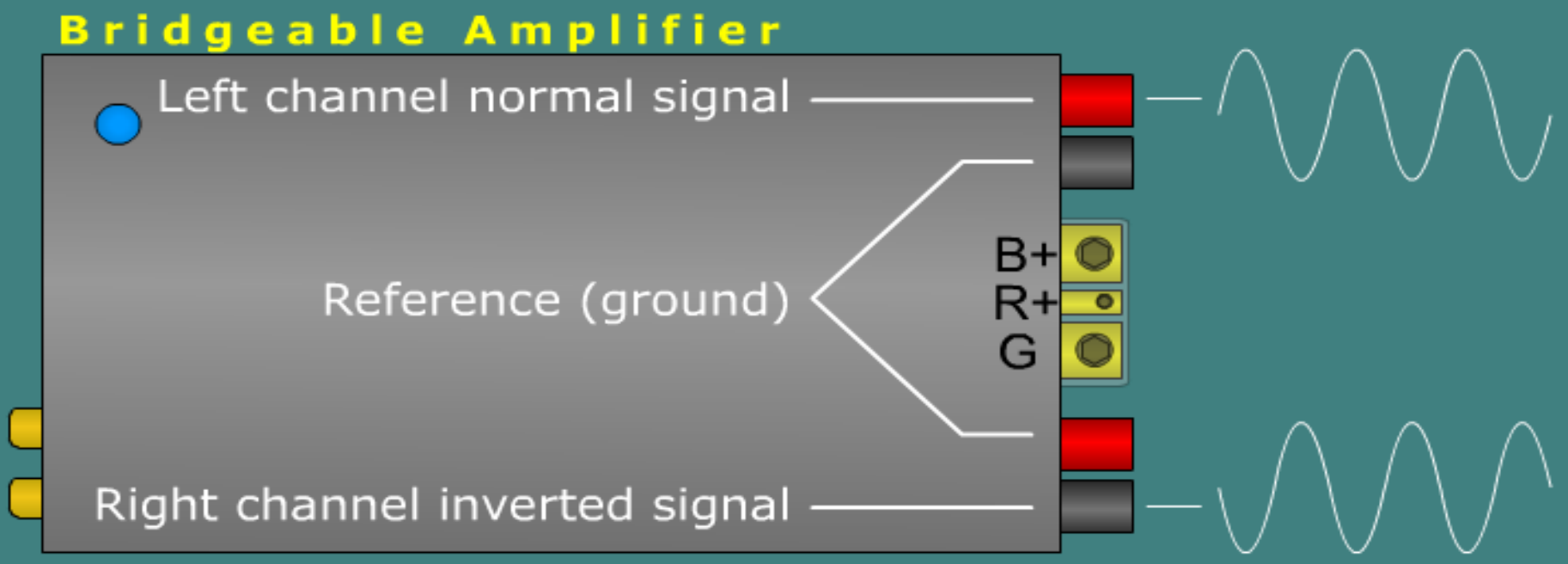
2 coils in parallel 2 Ohms X 2



This image is property of SonicElectronix.com

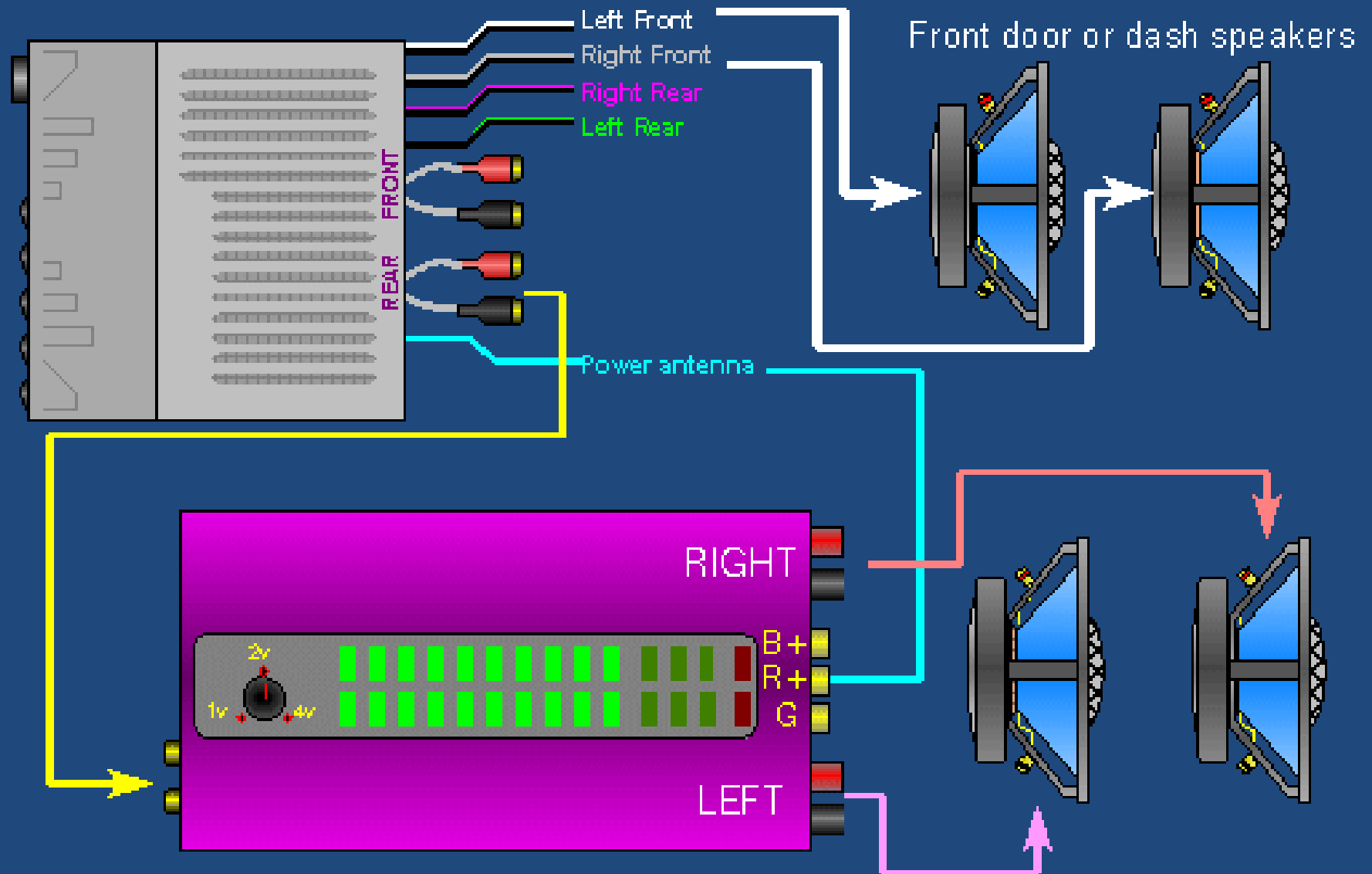


Non-Bridgeable Amplifier

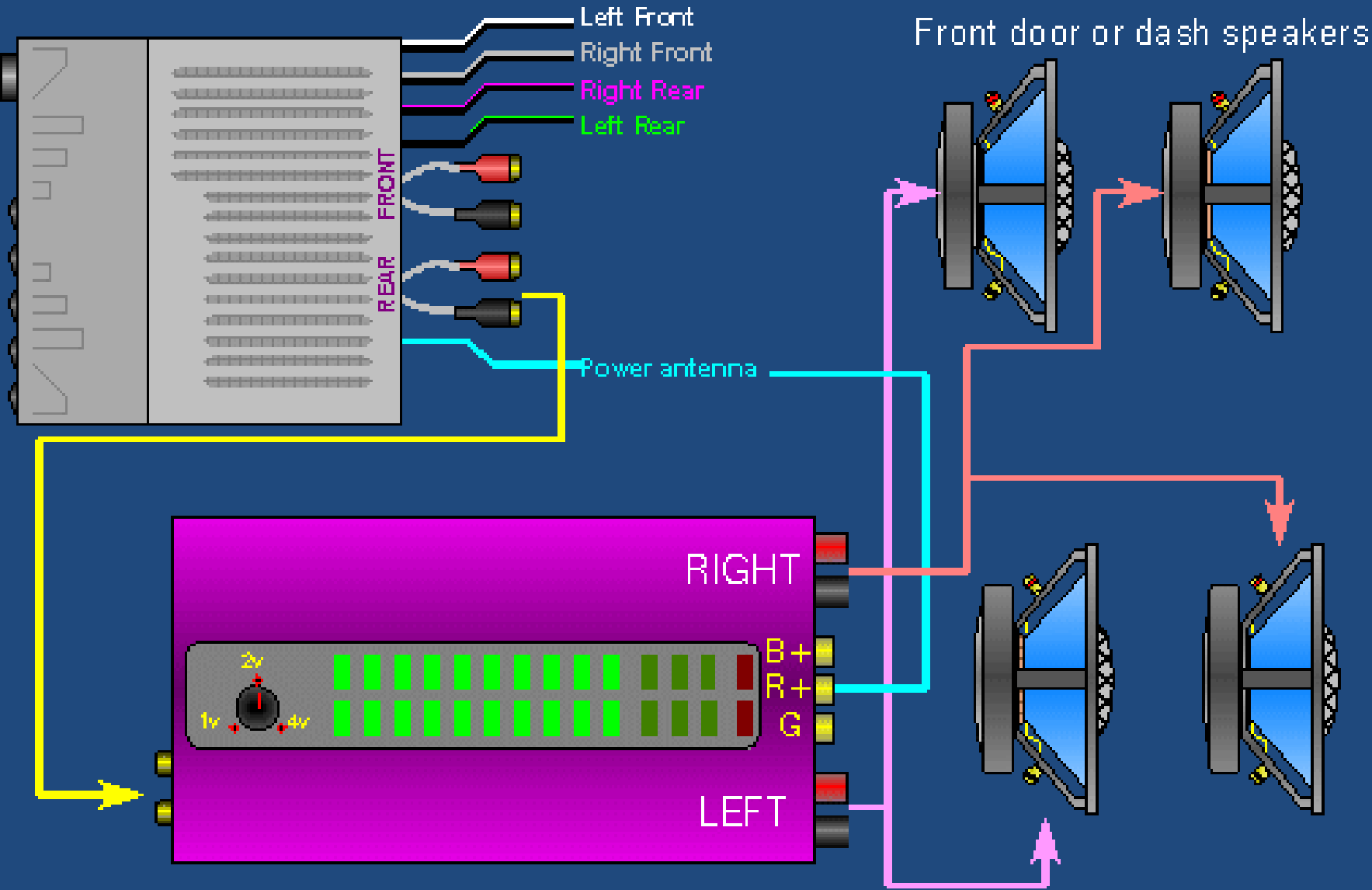


Bridgeable Amplifier

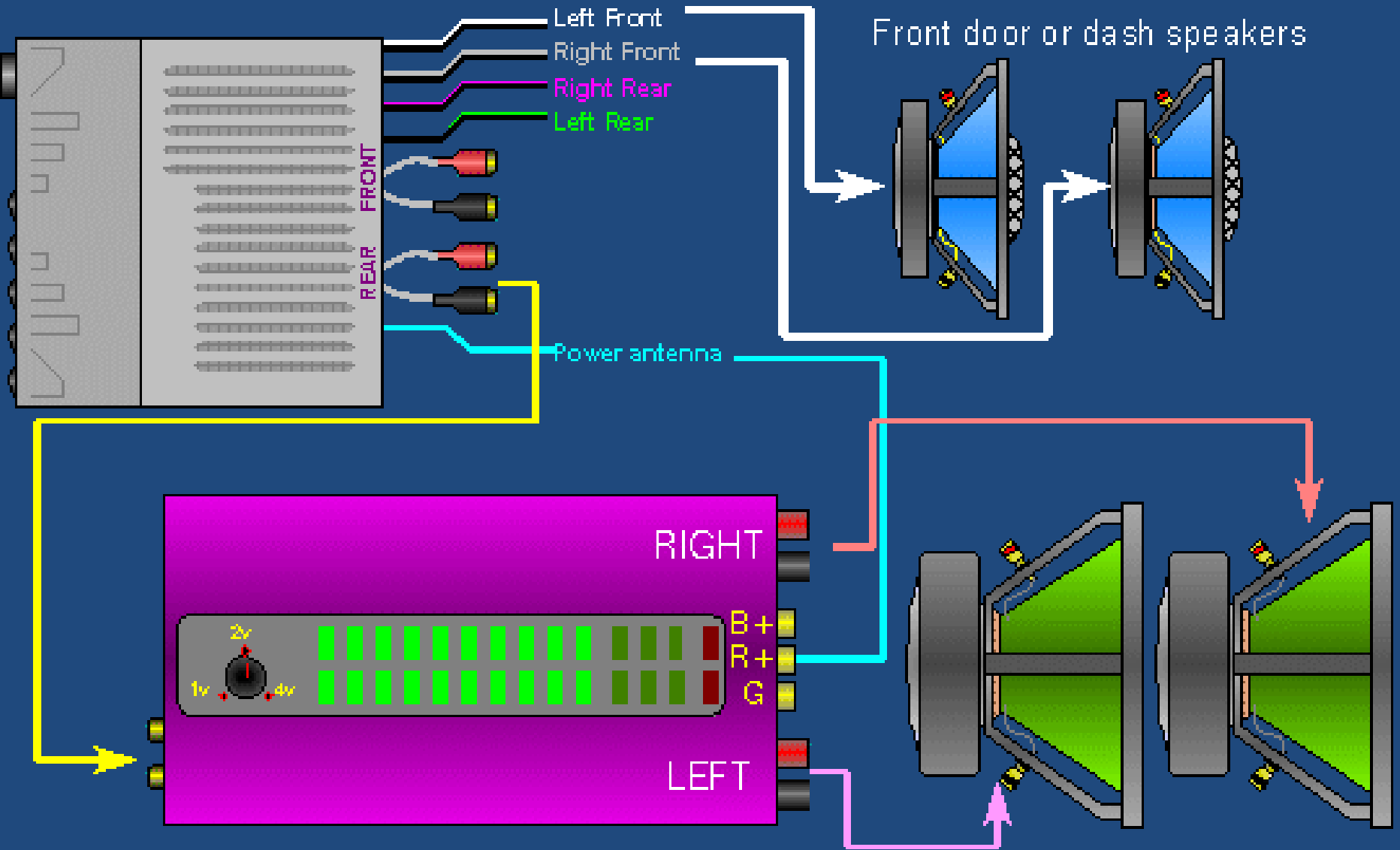
Amplificador con 2 altavoces



Amplificador con todos los altavoces

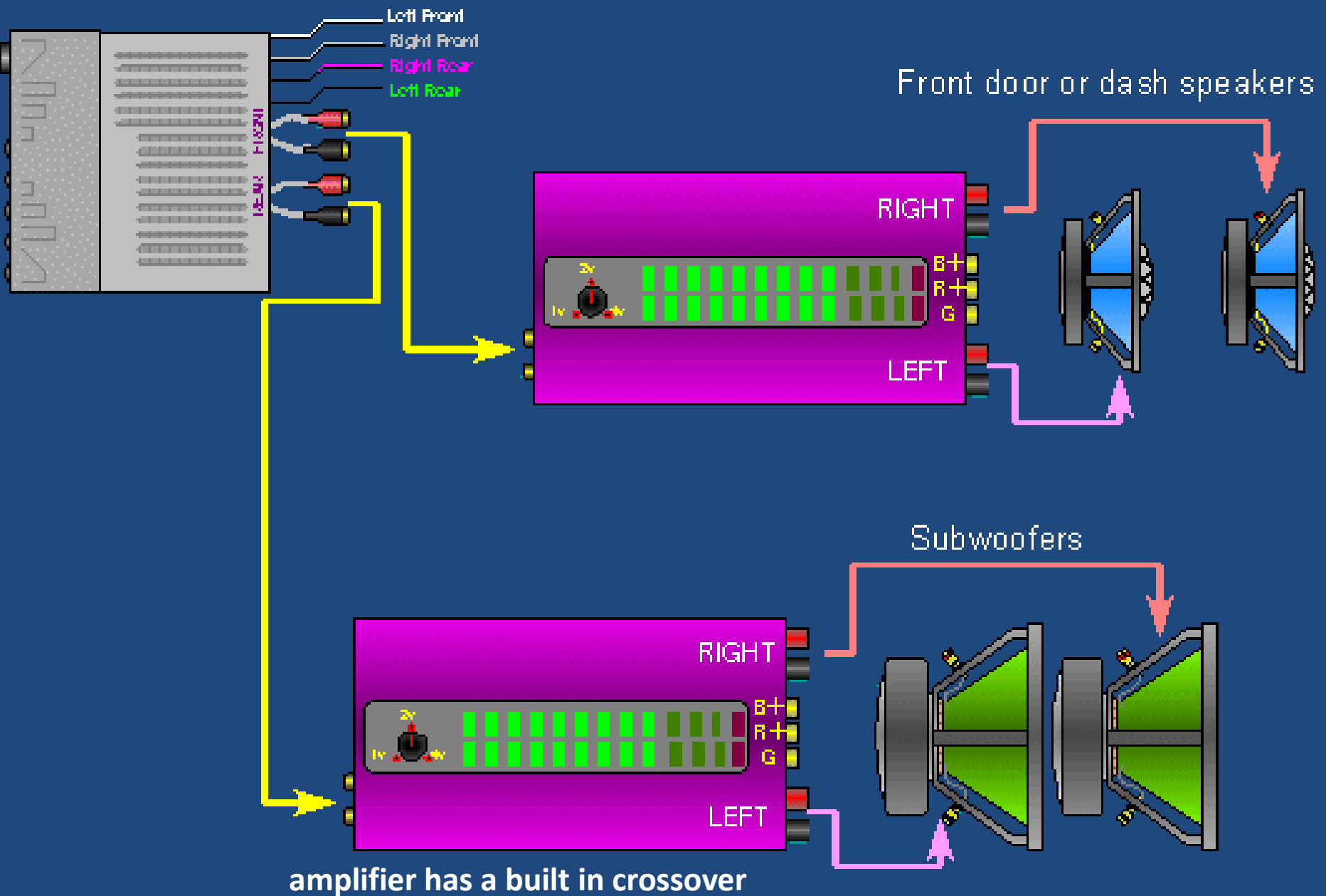


Amplificador alimentando 2 subwoofers



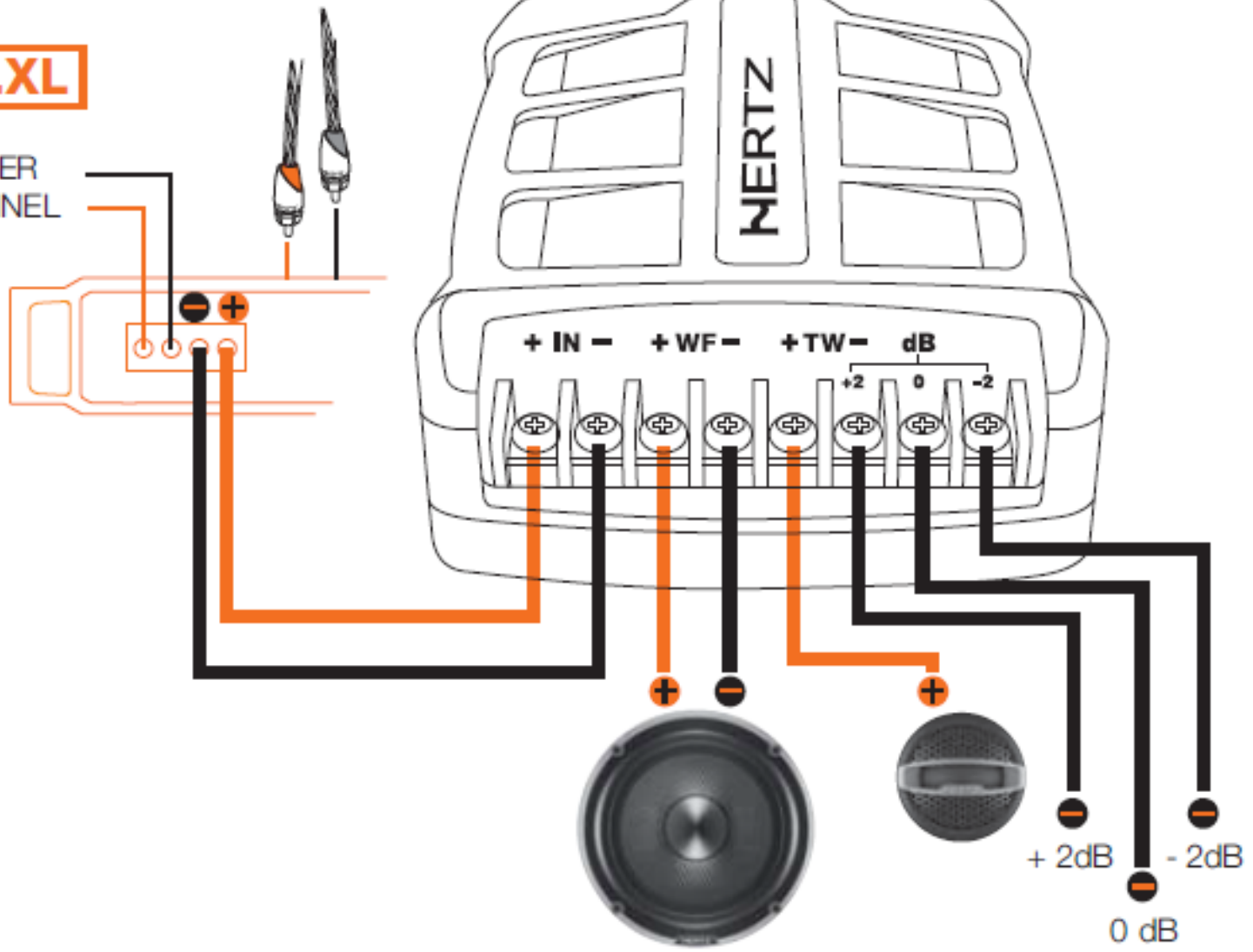
amplifier has a built in crossover

2 Amplificadores



2W.XL

OTHER CHANNEL





SK310



2/3 WAY
ELECTRONIC
CROSSOVER

⊕ R ⊖ L
SUB IN

⊕ R ⊖ L
REAR IN

⊕ R ⊖ L
FRONT IN

POWER

SUBWOOFER CROSSOVER

FREQ 40 Hz 400

SUBWOOFER OFF ON

BASS BOOST

FREQ 30 Hz 80

LEVEL 0 dB +12

PHASE 0 180°

MODE STEREO MONO

SUB OUTPUT LEVEL

MIN MAX

REAR CROSSOVER

HIGH PASS FREQ 40 Hz 400

SLOPE +6 dB +12dB

REAR OUTPUT LEVEL

MIN MAX

FRONT CROSSOVER

FREQUENCY MULTIPLIER 1:1 2:1

HIGH PASS FREQ 32 Hz 250 [5k]

SLOPE +6 dB +12dB

FRONT OUTPUT LEVEL

MIN MAX

FRONT INPUT SIGNAL

PARALLEL INPUT MODE

OUT

IN

SUB OUT

L

R

REMOTE
BASS CONTROL

REAR OUT

L

R

FRONT OUT

L

R

FUSE

POWER

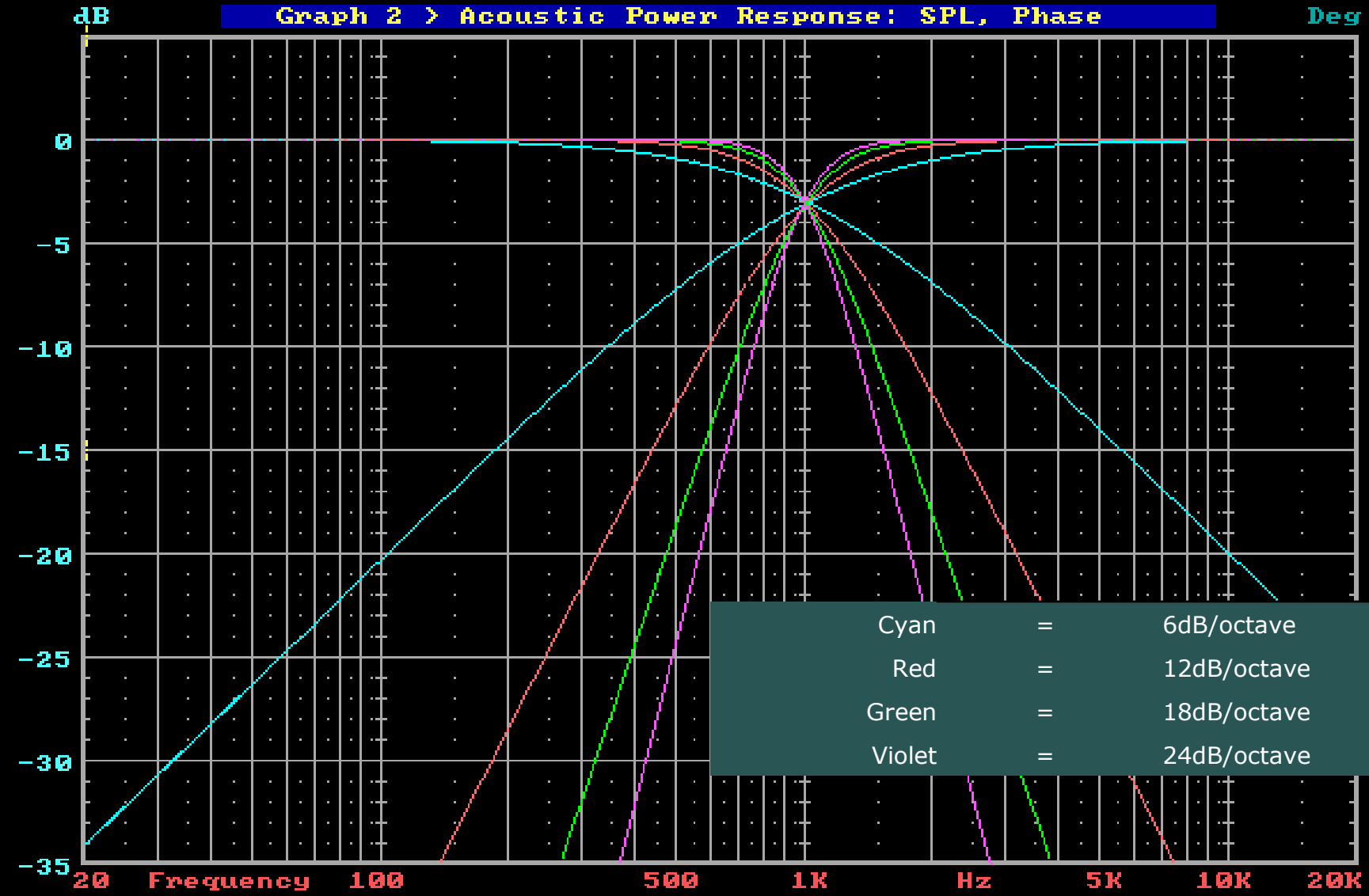
+12V REM GND

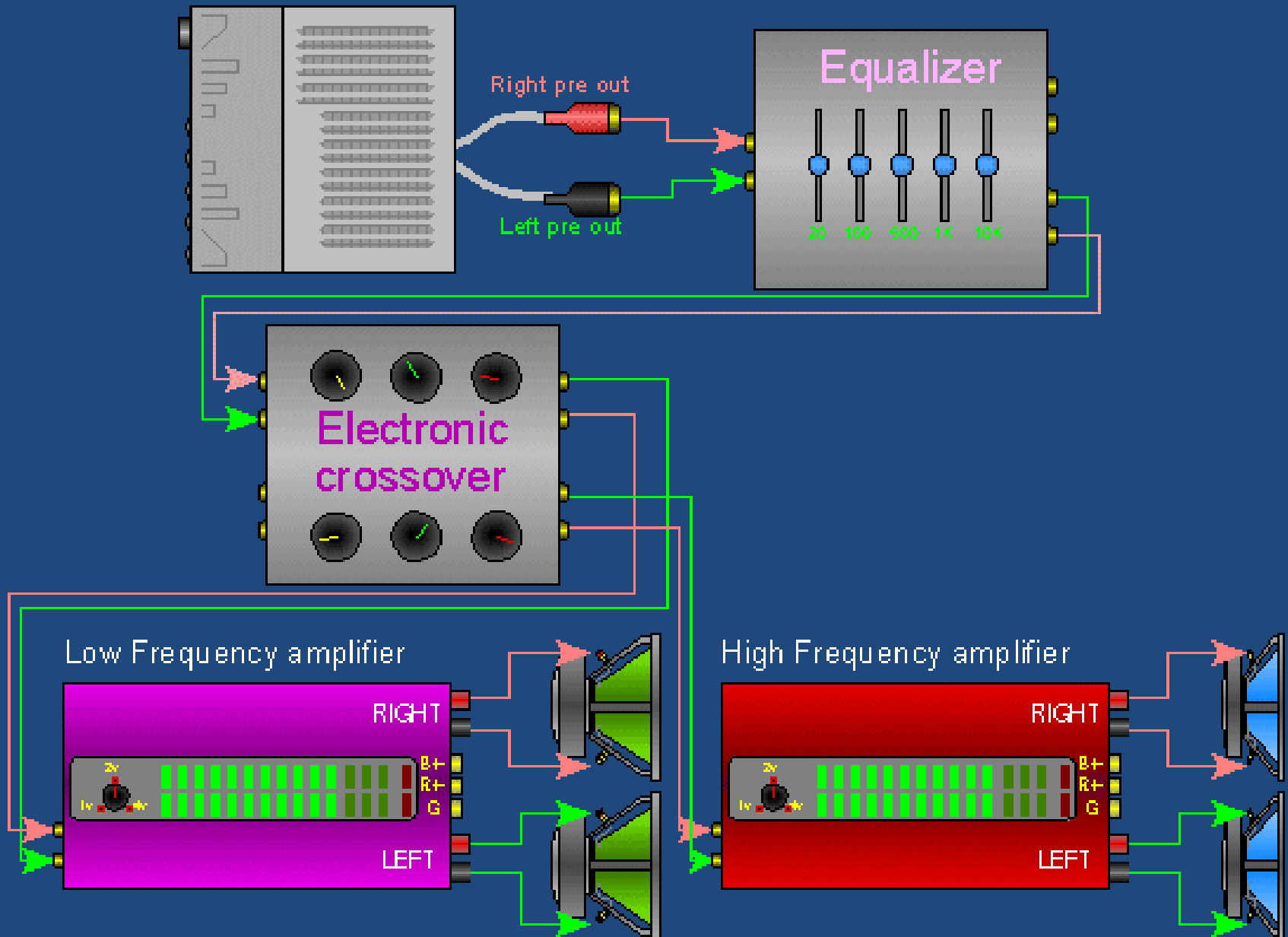
LEAP 

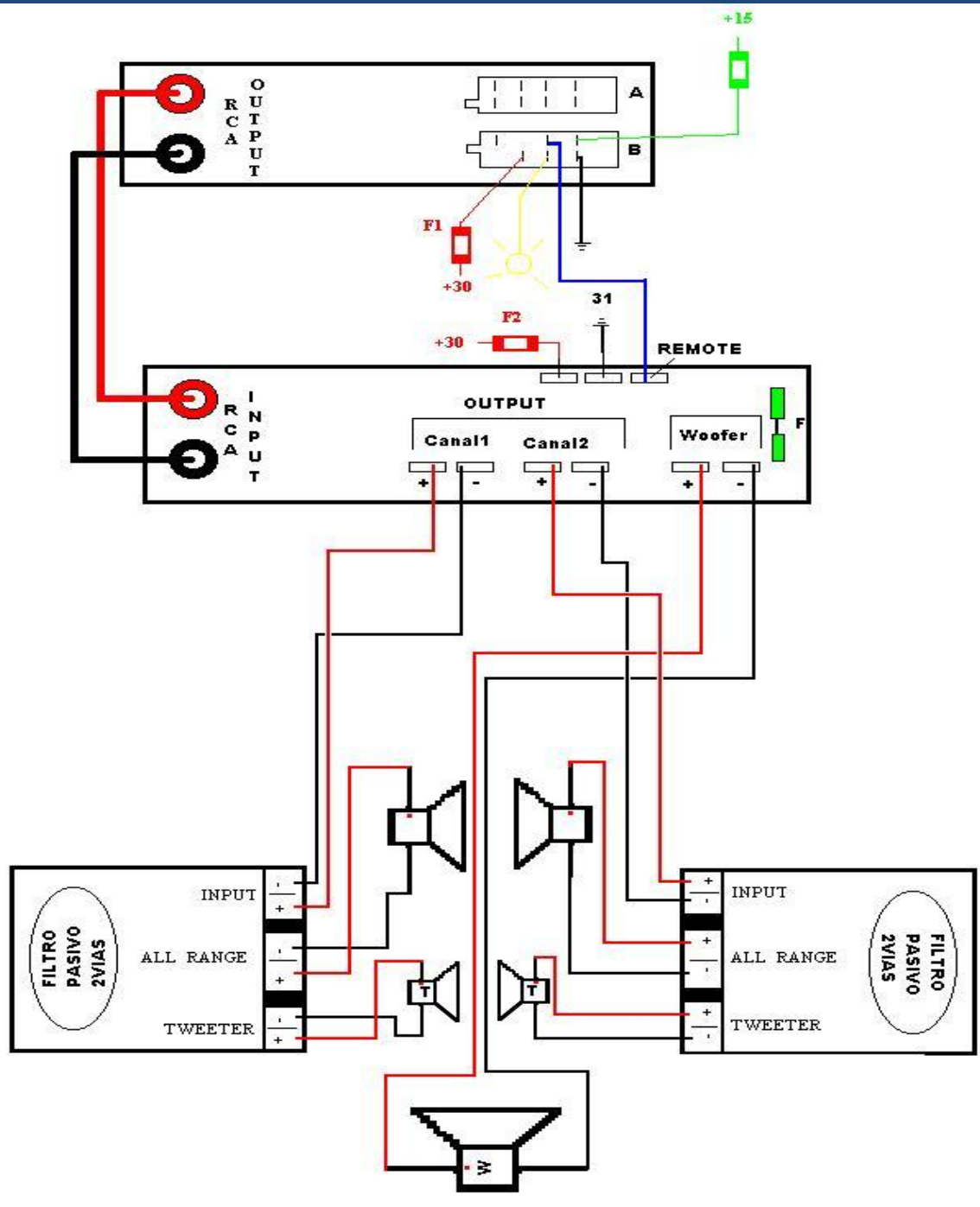
Graphics General Menu: DGL Entry Display
M=Abs CURSOR Step=5
SPL/P= 0.000 dB
Phase= 0.000 Deg
Freq = 20.252 Hz
[INS][DEL][↑][↓][1-9]

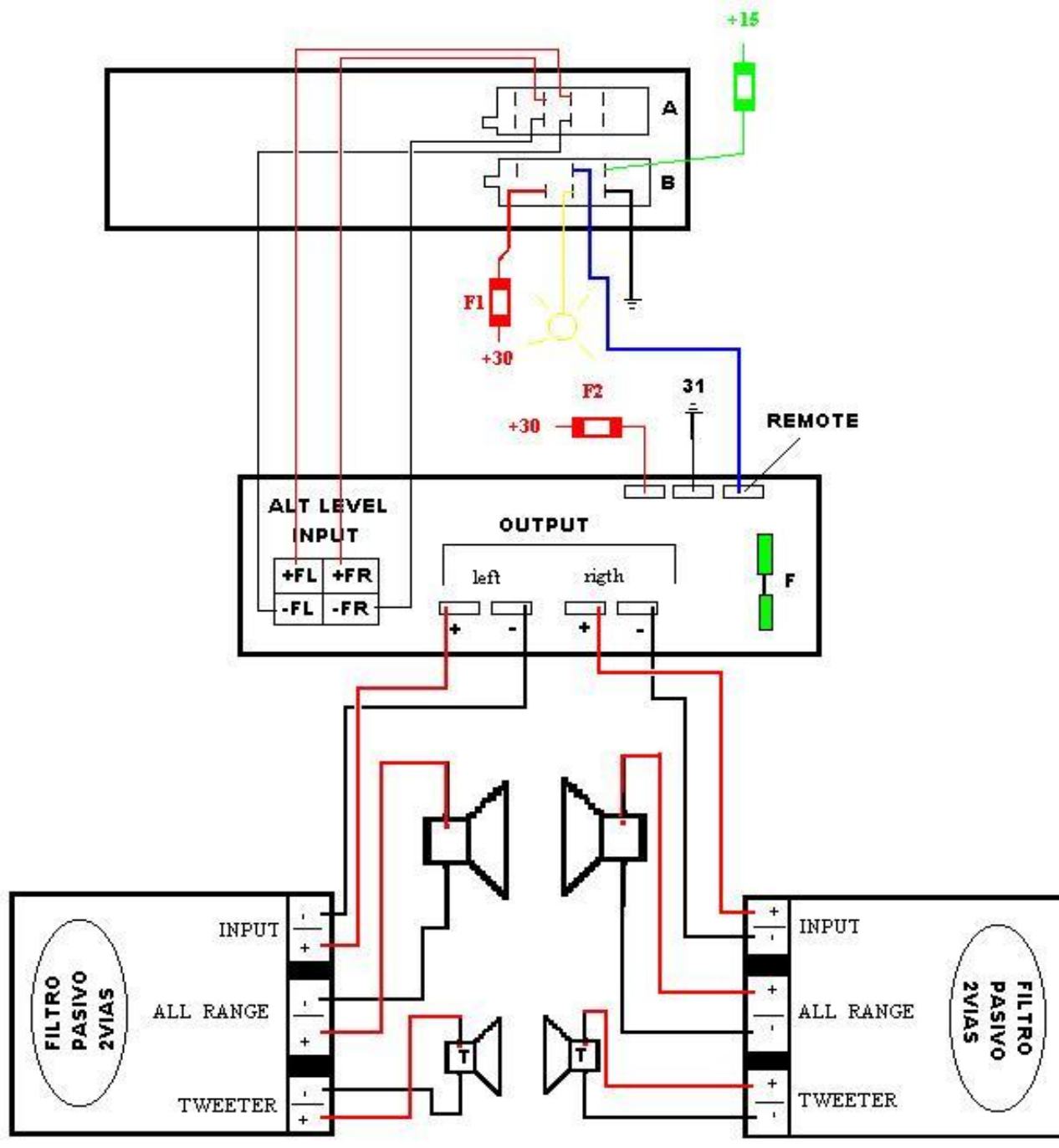
[F1]Graph
[F2]Filter Menu
[F3]Information
[ESC]Text Menu

Graph 2 > Acoustic Power Response: SPL, Phase

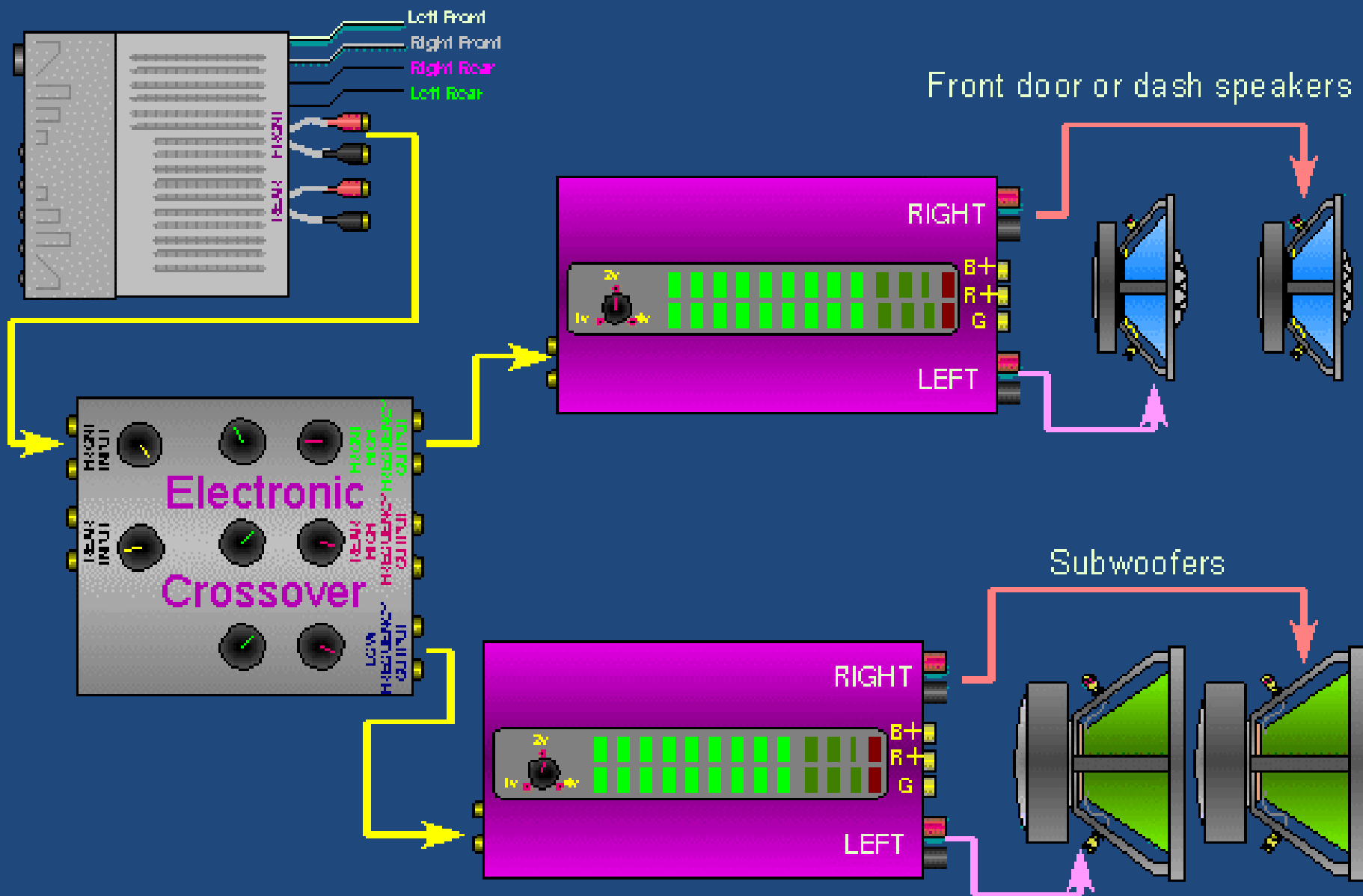




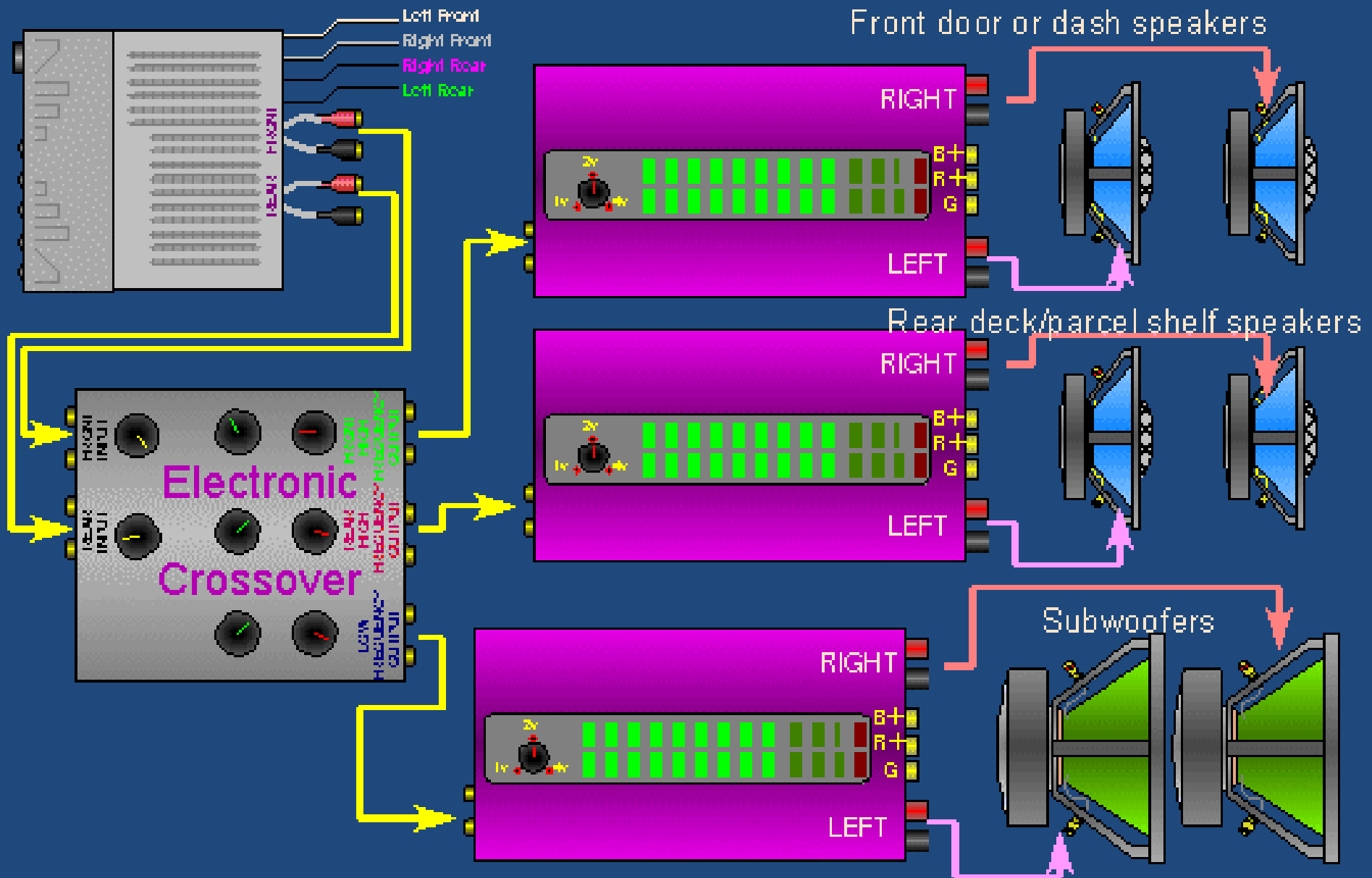




2 Amplif con crossover esterno

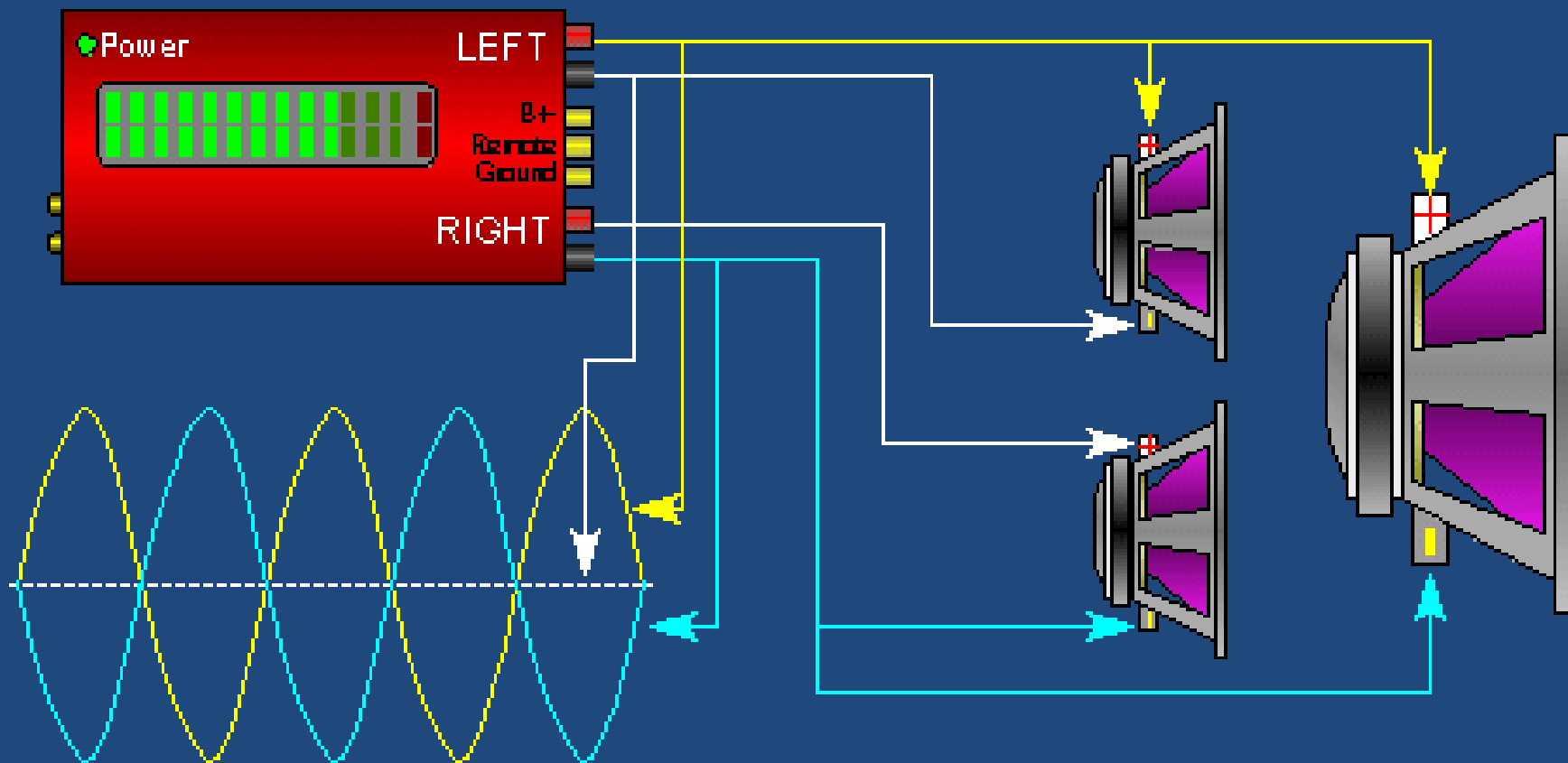


3 Amplif con crossover esterno

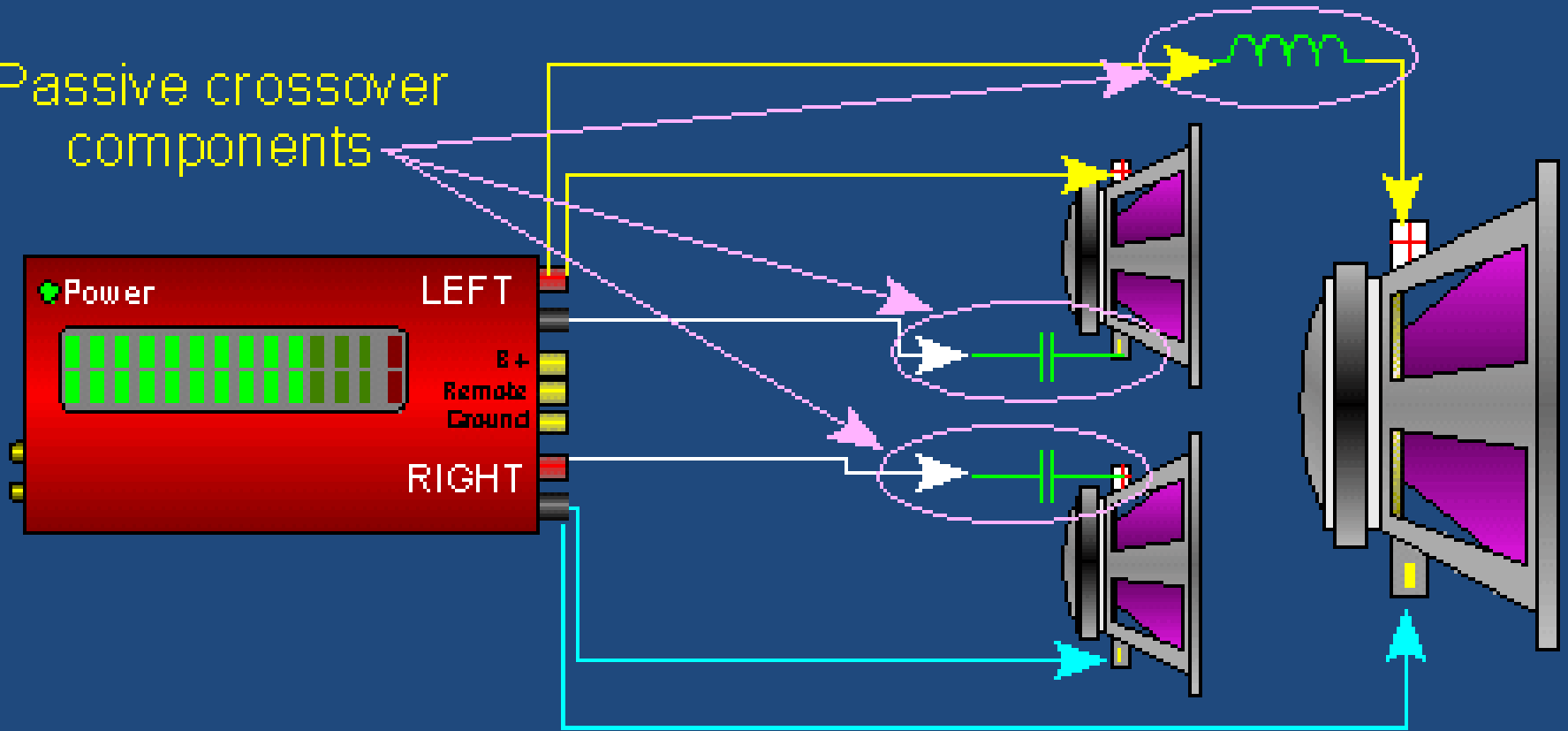


Hay amplificadores que combinan la señal de las 2 (izquierda y derecha) entradas cuando los conmutas a mono. Hay otros que usan solo la señal de una de ellas (generalmente la izquierda). Los primeros si pueden trabajar en "mixed-mono"; los segundos no

Tri-Mode = mixed mono



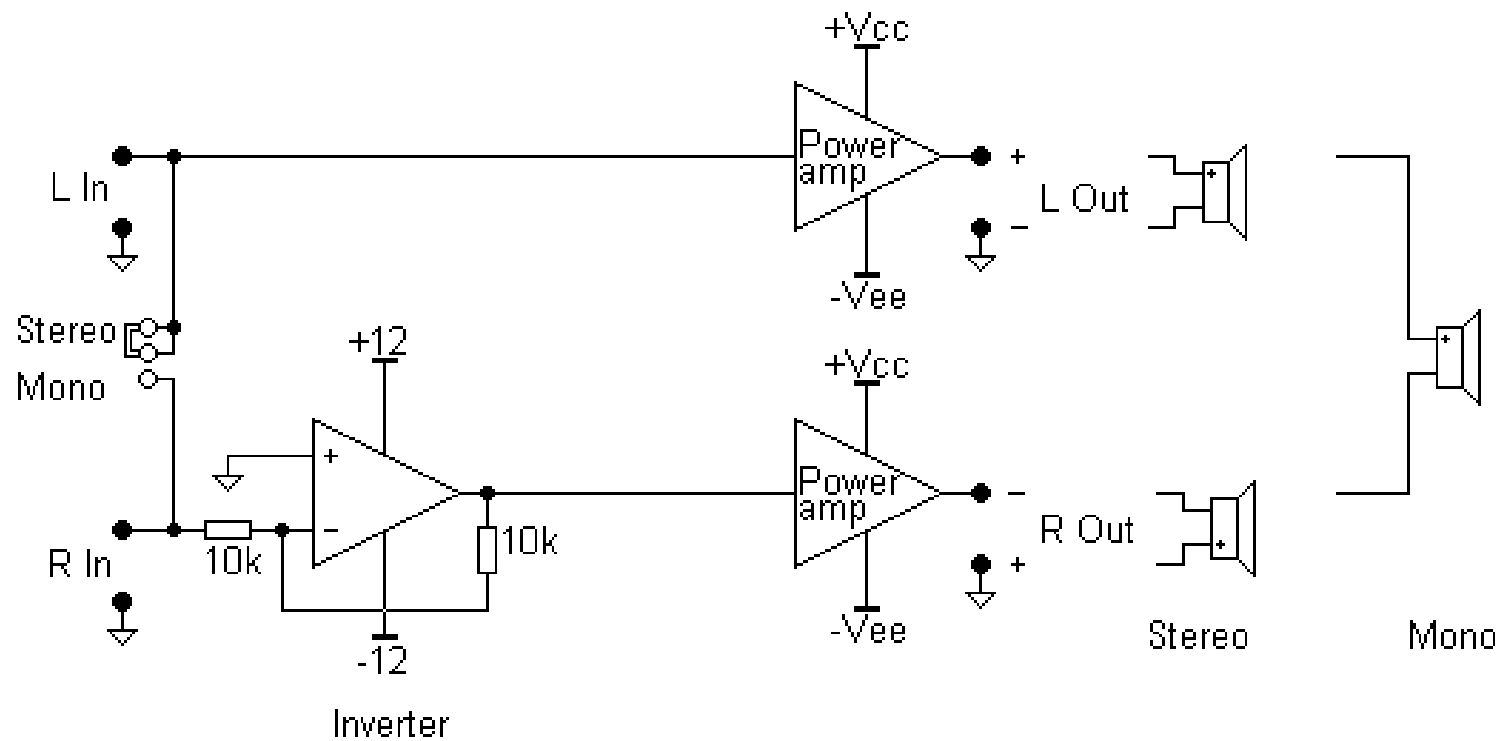
Passive crossover components



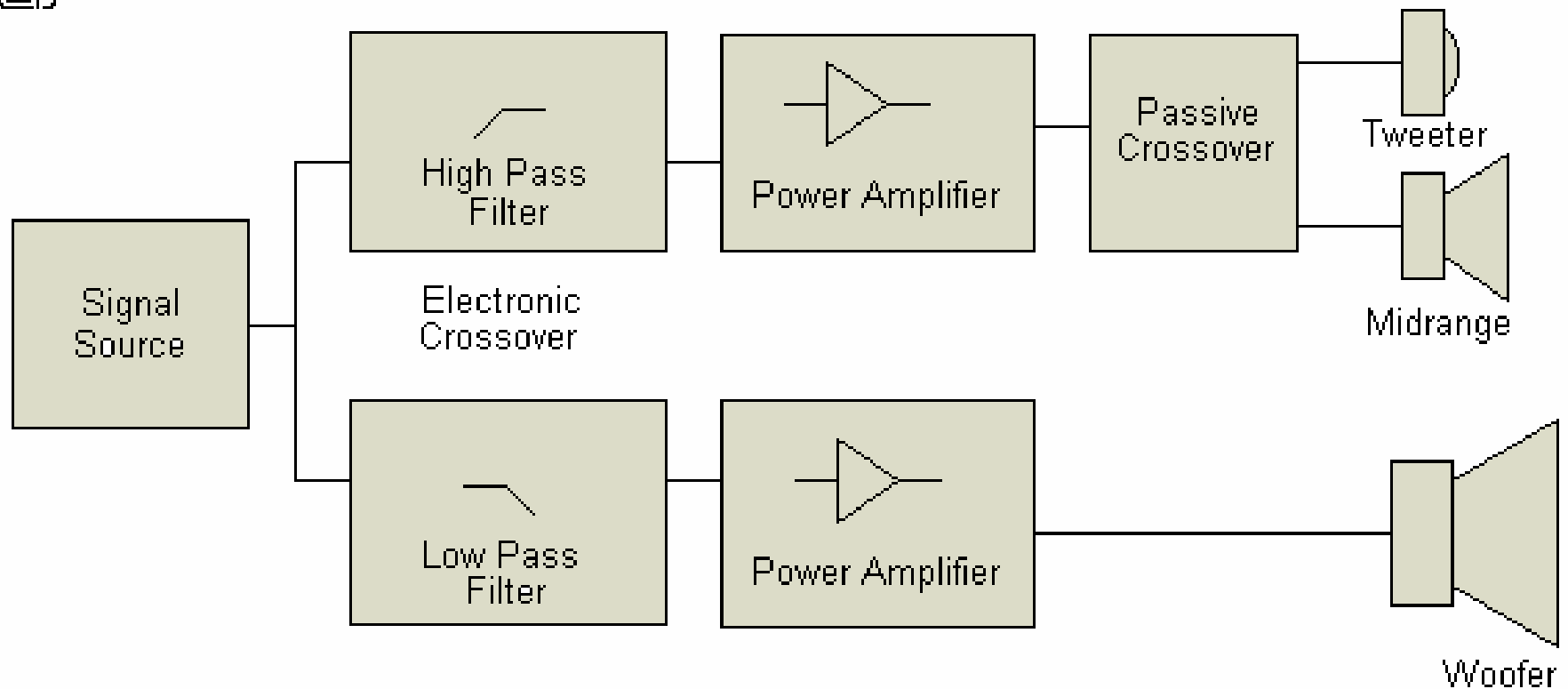
Tri-mode with different types of speakers

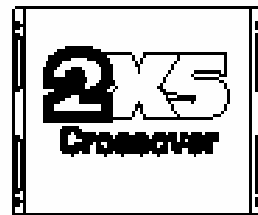
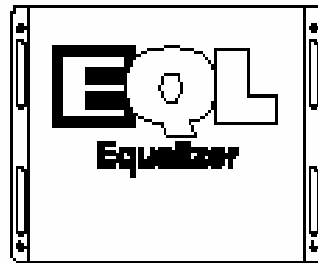
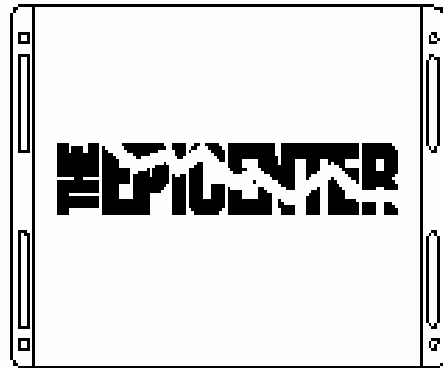
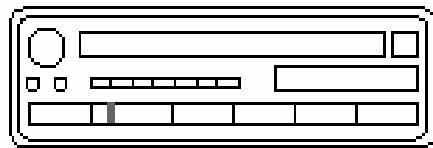
ETAPA en configuración

ESP



Bi-Amplificación, filtrado activo e pasivo





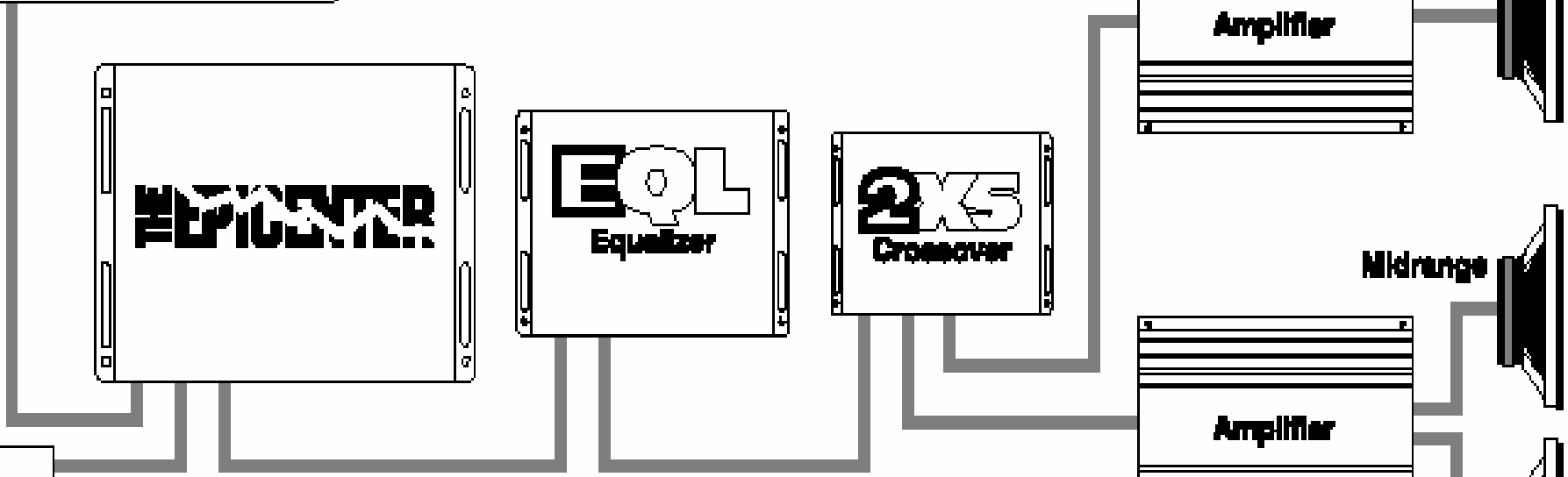
Subwoofer



Midrange



Tweeter





**GRACIAS
POLA
ATENCIÓN**