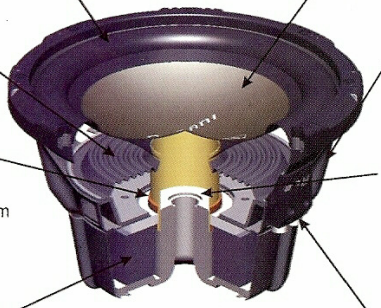
Three Series Specifications:

In the ALMANI S3 SUBWOOFER design and manufacture



OVERMOLDED RUBBER SURROUND
Big rubber injection surround provides high bass output and low distortion

NOMEX SPIDER
NOMEX molded spider fatigue proof for long term mechanicar stability

HEAVY DUTY DUAL VOICE COIL
High Temp 500℃ F dual voice coil on black aluminum former for high SPL. low distortion and extreme power handing

COMPUTER OPTMIZED MAGNET SYSTEM
Finite Element Analysis computer optimized magnet design guarantees high SPL with low distortion

HIGH STIFFNESS PAPER CONE
High stiffness for tight, clean and extremely defined bass

STAMPED STEEL FRAME
High stiffness cast frame, Provides distortion free bass reproduction and increases power handling, due to heat-sink effect.

EXTEND POLE
Extend pole piece provides Higher power handling and Lower distortion.

BIG PUSH TERMINALS
BIG binding post terminals For maximum power transfer Form you amplifier.

PERIPHERAL VENTING
Peripheral Voice Coil cooling allowa repid removal of head around VC for extreme power handling.

Technical Specifications

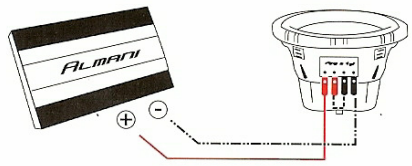
Model	Size	Type	IMP (Ohms)	Fo (Hz)	Vas (L)	Qes	Qts	Xmax (mm)	Sd (㎡)	SPL (db/m1v)	Power handling
S3-10	10″	Sub	DVC4+4	27	46	0. 64	0. 56	7	0. 0363	87	800 Watts
S3-12	12″	Sub	DVC4+4	23	94	0. 53	0. 45	8. 5	0. 0523	89	1000 Watts

CAR AUDIO
ALMANI

SUBWOOFER WIRING DIAGRAM
DUAL (4 OHM) WOOFER

ALMANI® enjoy the ride_

BASIC BASS DIAGRAM:



= 8Ω

One dual (4ohm) voice coil woofer
Wired in :**SERIES**
Presents an 8ohm load

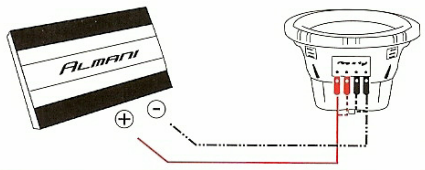
OUTPUT IMPEDANCE = 8 OHM

One Amplifier and One Subwoofer

The most common application,one amplifier and one woofer.
Ensure that your amplifiers output is optimal and stable at 8 ohms.
Most MONO block amplifiers make their power at 4 or 2 ohm
So to get the best and most efficient performance from your amplifier, first verify the specifications on your model.

To avoid uner/over powering your woofer:
Always check the RMS/Continuous power output of your amplifier and try to pair it with the RMS rating of the woofer.

BASIC BASS DIAGRAM:



= 2Ω

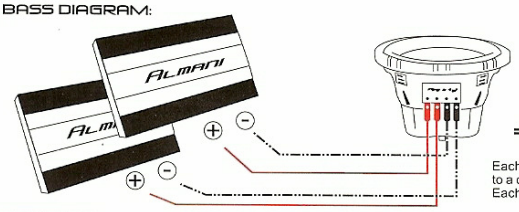
One dual (4ohm) voice coil woofer
Wired in : **PARALLEL**
Presents a 2ohm load

OUTPUT IMPEDANCE = 2 OHM

One Amplifier and One Subwoofer

One Dual 4ohm woofer can only run in two configurations by itself:
8ohm or 2ohm
It is imperative that you meter the impedance of your woofer after it is connected to ensure you have the proper resistance.
Otherwise you can overdrive your amplifier and cause internal damage to the circuitry of the unit.
Which in most cases render the unit irreparable.

BIG BASS DIAGRAM:



= 4Ω

Each amplifier is wired in : **PARALLEL**
to a different voice coil on the 4ohm DVC woofer.
Each amplifier will receive a 4ohm load

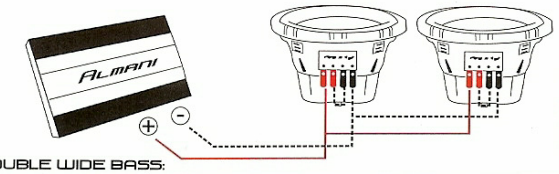
OUTPUT IMPEDANCE = 4 OHM

Two Amplifiers and One Subwoofer

With this configuration you require a high powered Subwoofer that can handle a large amount of power.

.:Ensure that the Amplifiers out put matches the woofers power rating

.:Consult your dealer if you have any questions



= 4Ω

Each speaker is wired in:
SERIES/PARALLEL
to the 4ohm DVC woofer
presenting a 4 ohm
load to the amplifier

DOUBLE WIDE BASS:

OUTPUT IMPEDANCE = 4 OHM

One Amplifier and Two Subwoofers

Another typical system example.
One amplifier running two 4ohm DVC woofers.
With this application your amplifier will see a 4 ohm load.

CAT:Almani_2ohm_wiring_diagram v.1.0