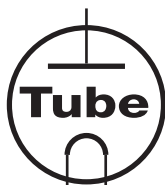


ENGL



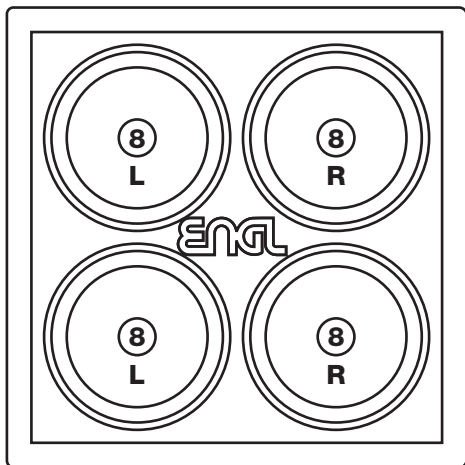
**Amp
Technology**



**Guitar Speaker Cabinet
E412**

Technical Information

1. basic technical information to all ENGL 412 speaker cabinets



**E412 cabinet:
Front layout**

THRU / RIGHT INPUT jack

in Mono mode:
you can use this jack as thru connector
to route the signal to an additional cabinet,
refer to example #3;
in Stereo mode:

use this jack as input connector
for the right speaker side (R);

INPUT / LEFT jack

in Mono mode:
use this jack as input connector;
in Stereo mode:

use this jack as input connector
for the left speaker side (L);

MONO / STEREO switch

select Mono or Stereo mode;

Mono mode:

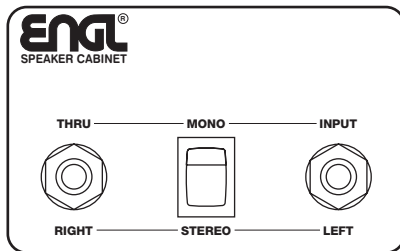
4 speakers overall impedance 8 ohms;

Stereo mode:

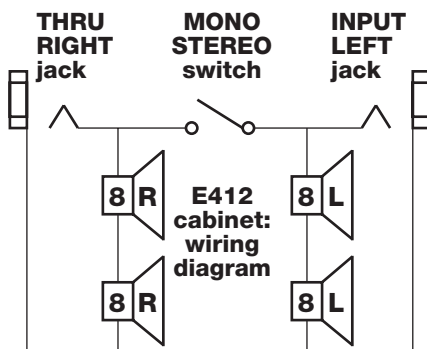
2 speakers each stereo channel,

16 ohms impedance per channel;

**The following pages depicts a few
samples for diverse setups between
amplifiers an speaker 412 cabinets.**



**E412 speaker cabinet:
rear connection panel**



8: 8 ohms speaker impedance

R: speaker right side
right stereo channel

L: speaker left side
left stereo channel

overall impedance Mono mode:

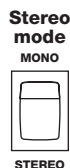
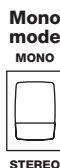
8 ohms

overall impedance Stereo mode:

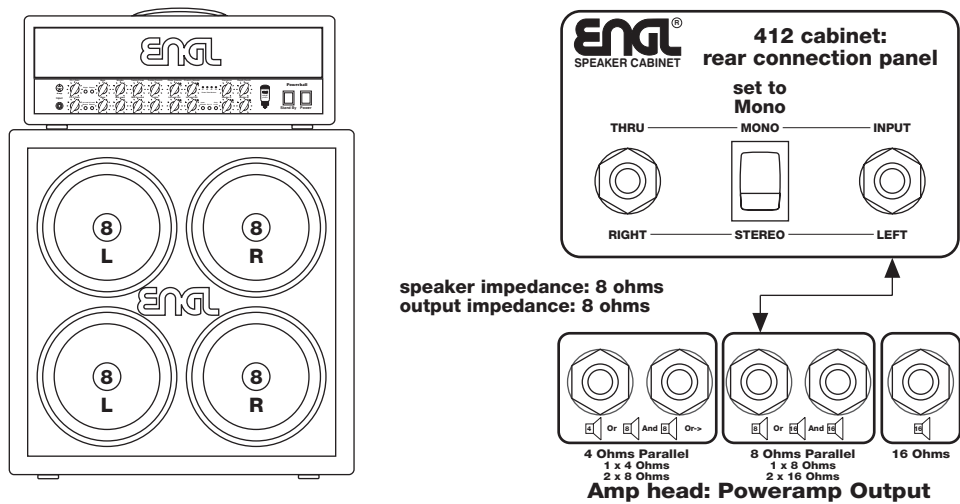
2 x 16 ohms

Important note:

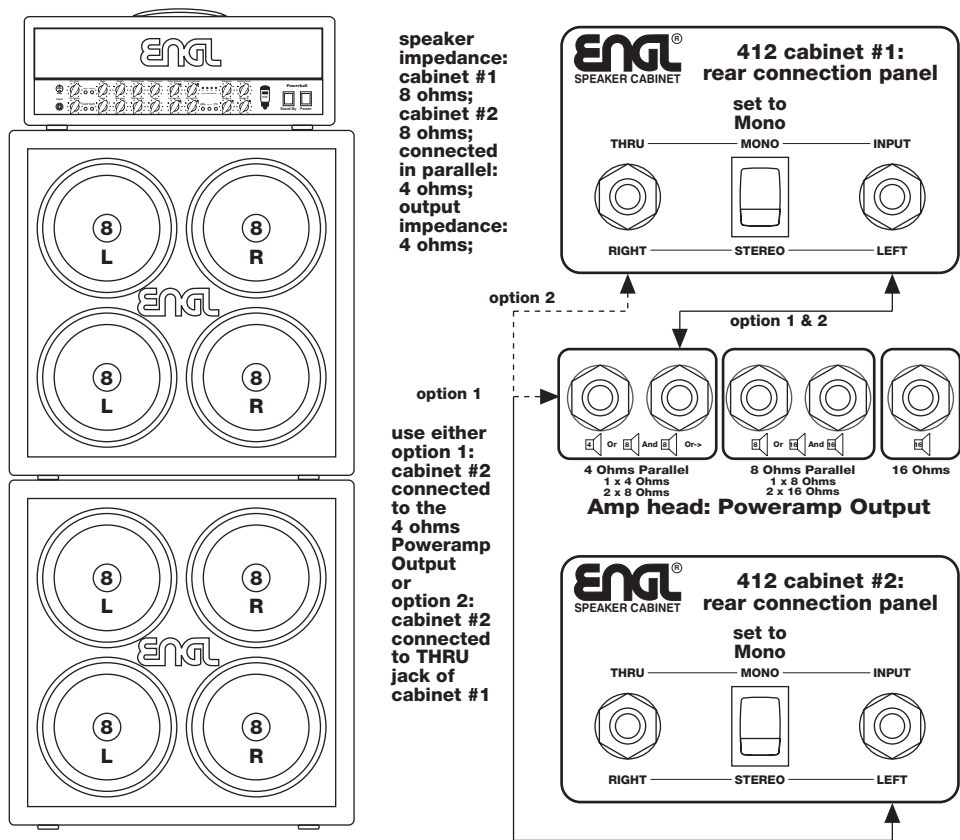
ensure that the Mono / Stereo switch
is set to **"Stereo"** before you connect
the cabinet to **2 poweramp outputs!**
switch setting:



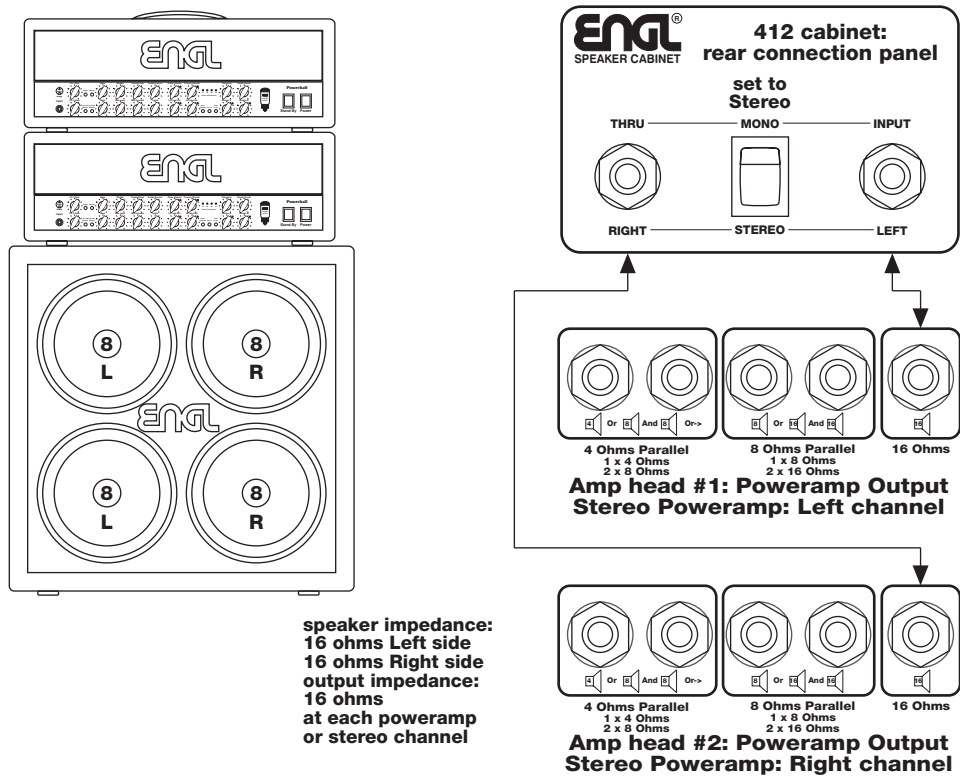
2. one100 watts amp head combined with one ENGL 412 speaker cabinet



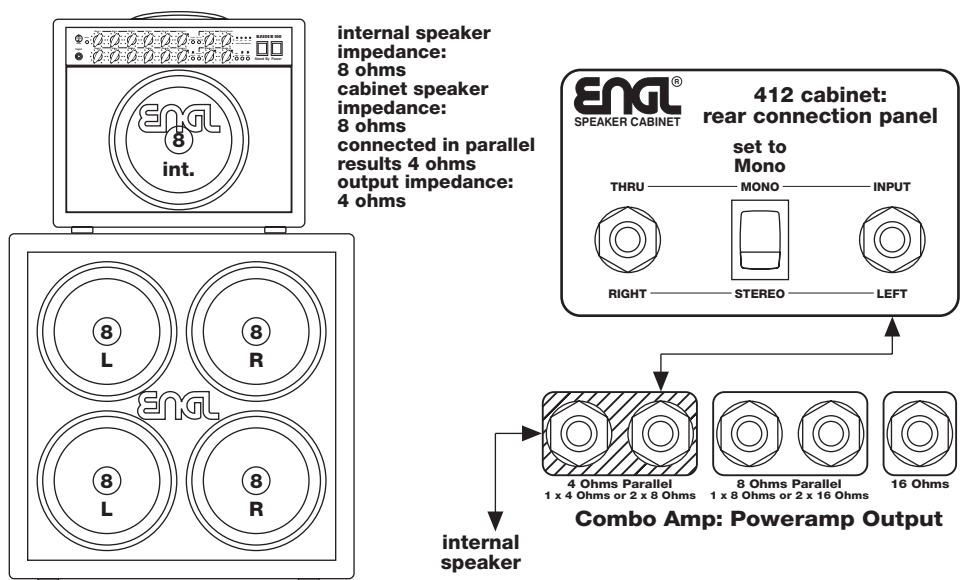
3. one 100 watts head combined with two ENGL 412 speaker cabinets



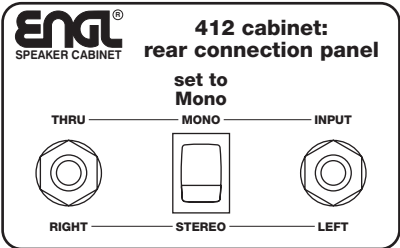
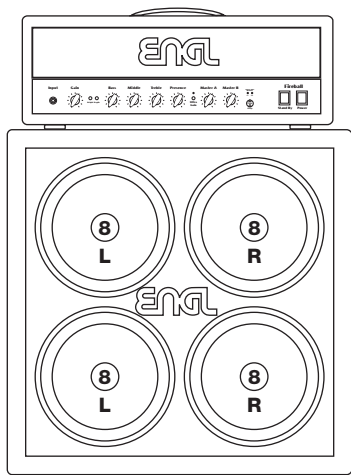
4. two 100 watts amp heads or a Stereo Poweramp (e.g. E850) combined with one ENGL 412 speaker cabinet set to stereo mode



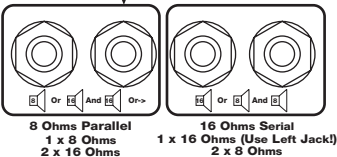
5. a 100 watts combo amp combined with one ENGL 412 speaker cabinet



6. one 50 watts amp head combined with one ENGL 412 speaker cabinet

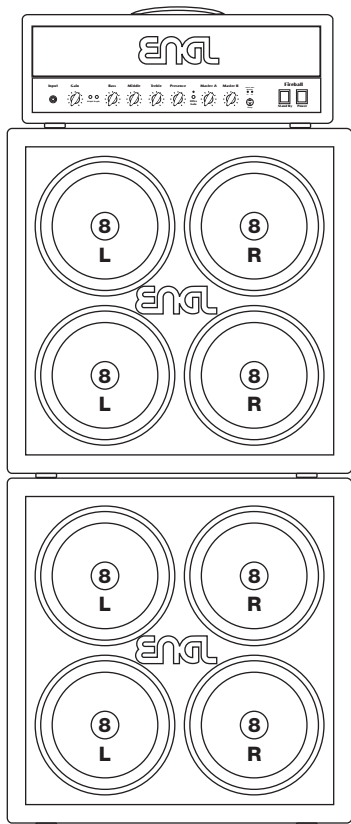


speaker impedance: 8 ohms
output impedance: 8 ohms

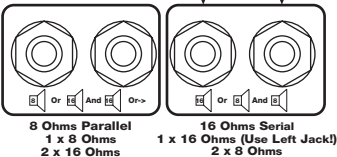
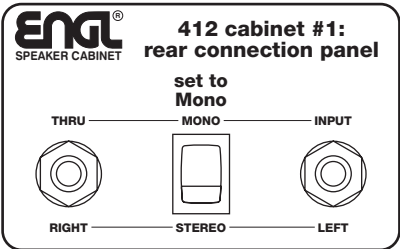


Amp head: Poweramp Output

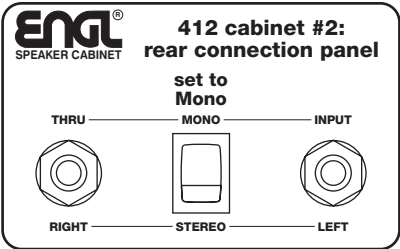
7. one 50 watts head combined with two ENGL 412 speaker cabinets



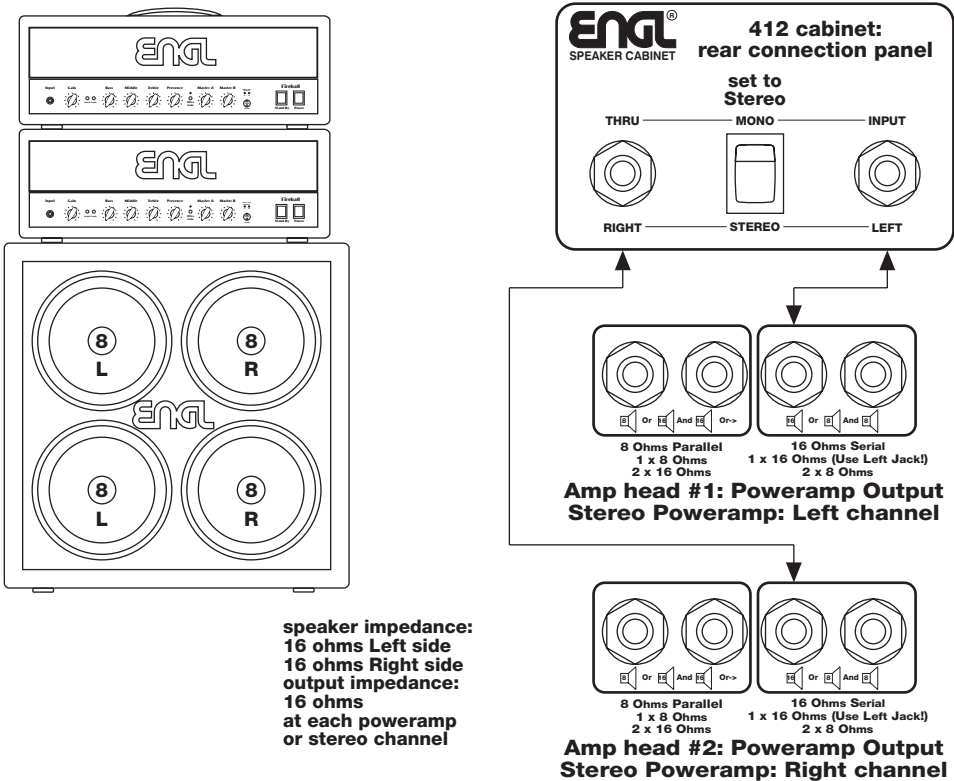
speaker
impedance:
cabinet #1
8 ohms
cabinet #2
8 ohms
connected
in serial:
16 ohms
output
impedance:
16 ohms



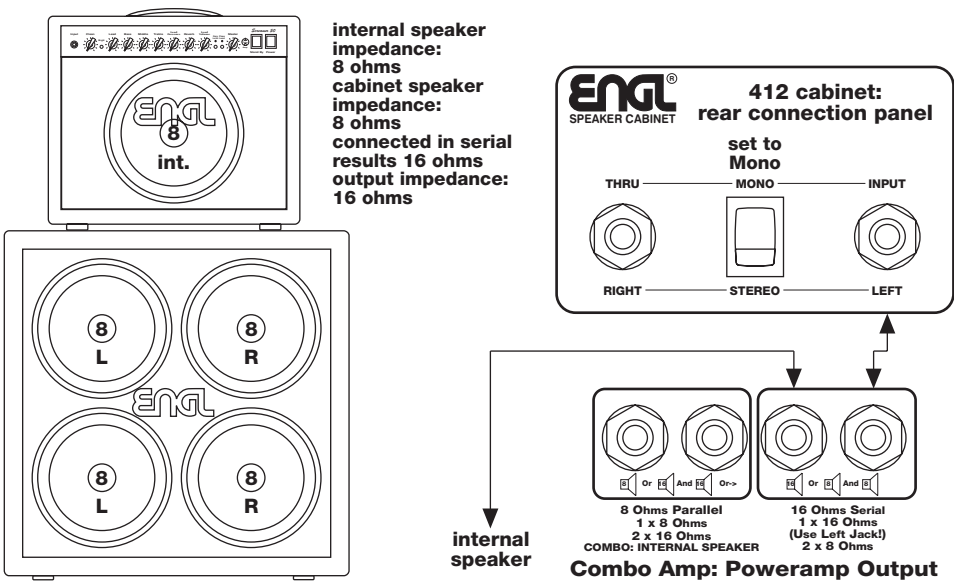
Amp head: Poweramp Output



8. two 50 watts amp heads or a Stereo Poweramp (e.g. E840) combined with one ENGL 412 speaker cabinet set to stereo mode



9. a 50 watts combo amp combined with one ENGL 412 speaker cabinet



ENGL



**Amp
Technology**

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Text, design, graphics and layout by
Horst Langer, ENGL Amp Desinger

We reserve the right to make unannounced technical upgrades!