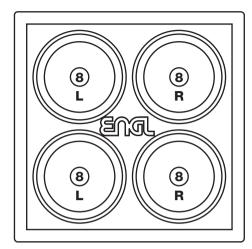






Guitar Speaker Cabinet E412 Technical Information

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;

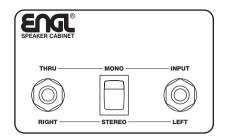
Mono mode:

4 speakers overall impedance 8 ohms; Stereo mode:

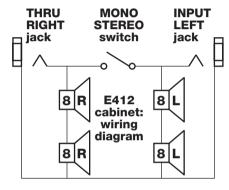
2 speakers each stereo channel,

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:

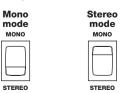
8 ohms

overall impedance Stereo mode:

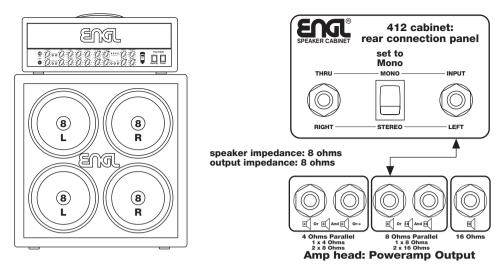
2 x 16 ohms

Important note:

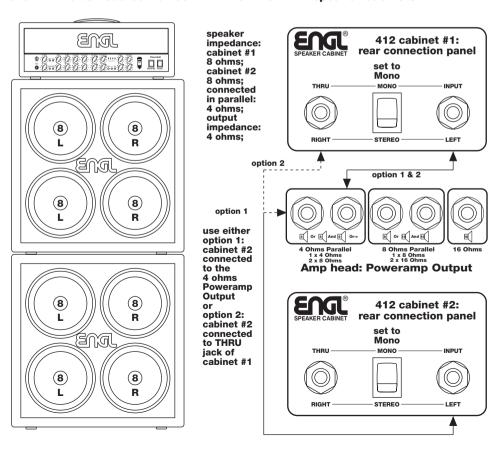
ensure that the Mono / Stereo switch is set to "Stereo" before you connect the cabinet to 2 poweramp outputs! switch setting:



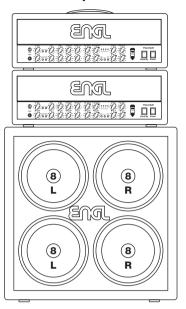
2. one100 watts amp head combined with one ENGL 412 speaker cabinet



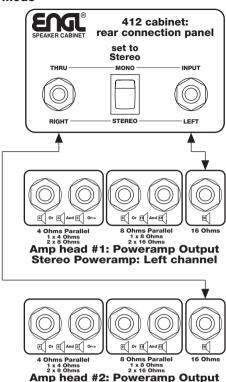
3. one 100 watts head combined with two ENGL 412 speaker cabinets



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

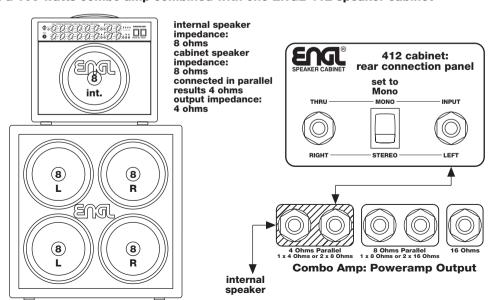


speaker impedance: 16 ohms Left side 16 ohms Right side output impedance: 16 ohms at each poweramp or stereo channel

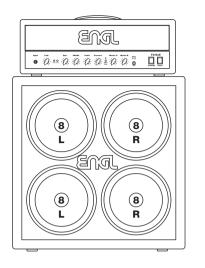


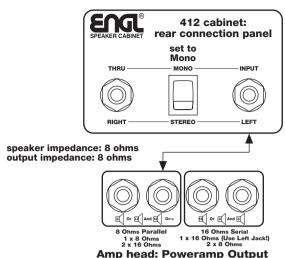
Stereo Poweramp: Right channel

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

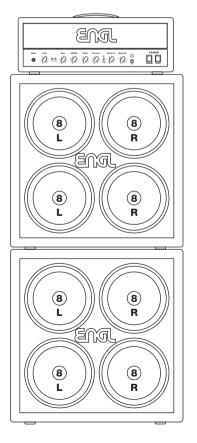


6. one 50 watts amp head combined with one ENGL 412 speaker cabinet

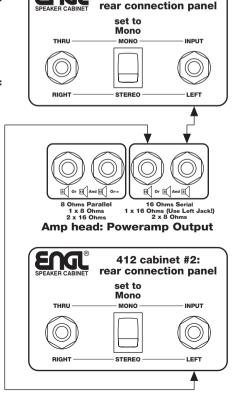




7. one 50 watts head combined with two ENGL 412 speaker cabinets

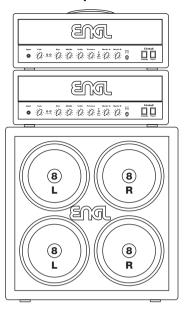


speaker impedance: cabinet #1 8 ohms cabinet #2 8 ohms connected in serial: 16 ohms output impedance: 16 ohms

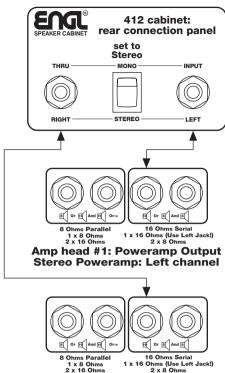


412 cabinet #1:

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

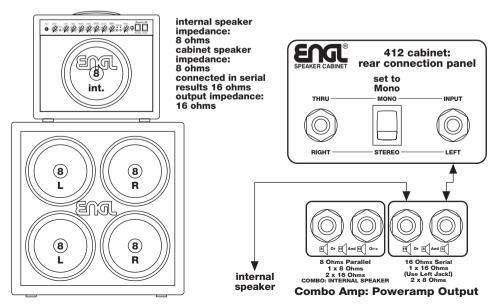


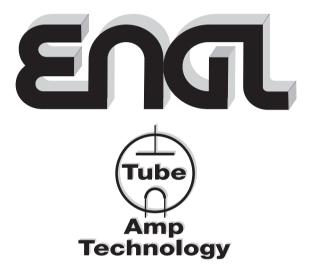
speaker impedance: 16 ohms Left side 16 ohms Right side output impedance: 16 ohms at each poweramp or stereo channel



Amp head #2: Poweramp Output Stereo Poweramp: Right channel

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





ENGL Gerätebau GmbH Internet: www.engl-amps.com Text, design, grafics and layout by Horst Langer, ENGL Amp Desinger

We reserve the right to make unannounced technical upgrades!