

**Jantzen Audio Denmark**  
**DIY-KIT JA6012 + JA2806**  
**Two-way d'Appolito**  
**bookshelf/standmount speaker**

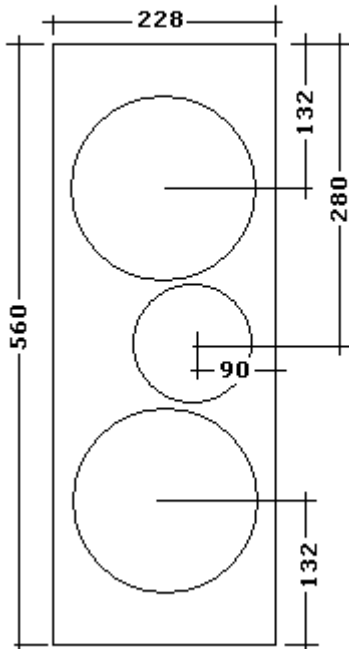
The Jantzen Audio d'Appolito JA6012/2806 kit incorporates two 6" JA6012 midbass drivers and JA2806, 28 mm soft dome tweeter. Having a DCR of 10 ohms, the JA6012 drivers are ideally suited for d'Appolito and 2½-way applications.



Fig. 1. JA6012 and JA2806 drivers.

The kit is developed for a 29-30 litre net volume cabinet, e.g. PartsExpress Cabinet Kit #302-754.

**Jantzen Audio Kit**  
**d'Appolito**  
**JA6012/JA2806**



**cabinet depth: 345 mm**

Fig. 2. Front panel dimensions and driver placement.

Port: JA 900027, 68 x 120 mm, cut to length of 90 mm.

To ensure proper performance from the shown crossover, front panel dimensions and placement of drivers should be maintained carefully.

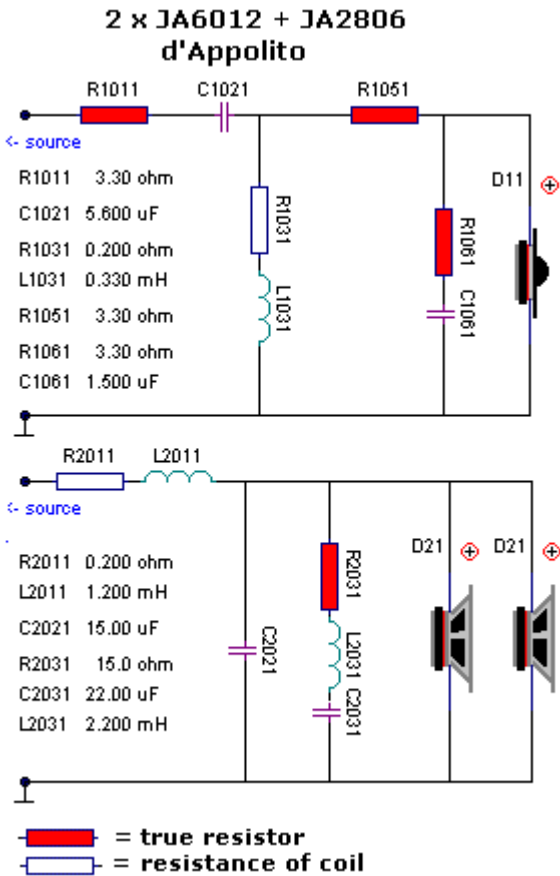


Fig. 3. JA6012/JA2806 crossover.

1. DCR of L2011 and L1031 can be 0.1-0.3 ohm.
2. DCR of L2031 can be 0.3-0.6 ohm, use cored coil.

**Measurements:**

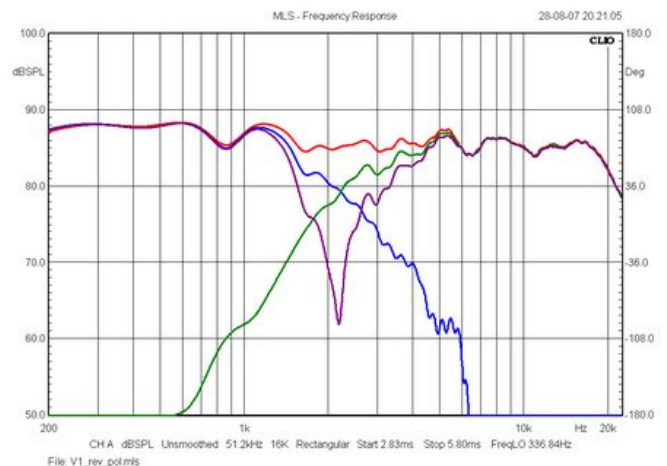


Fig. 4. SPL of drivers driven from crossover. Point of crossover = 2.3 kHz.

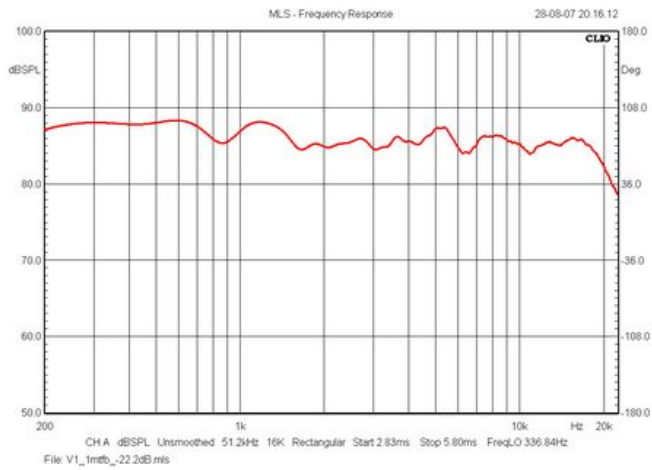


Fig. 5. System sensitivity = 88 dB/2.8V/1m.

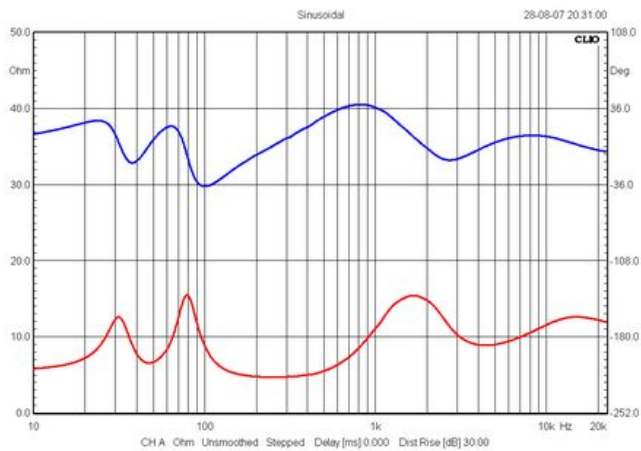


Fig. 6. System impedance.  
Minimum impedance = 5.0 ohms @ 300 Hz.

### Kit components:

- 4 x JA6012, 6" midbass driver.
- 2 x JA2806, 1" soft dome tweeter.
- 2 pcs. 1.2 mH coil, e.g. JA #1336
- 2 pcs. 0.33 mH coil, e.g. JA #1835
- 2 pcs. 2.2 mH cored coil, e.g. JA #2241
- 2 pcs. 15 uF Cross Cap
- 2 pcs. 5.6 uF Cross Cap
- 2 pcs. 22 uF Cross Cap
- 2 pcs. 1.5 uF, Cross Cap
- 6 pcs. 3.3 ohm, 5 W MOX, resistor
- 2 pcs. 15 ohm, 5 W MOX, resistor
- Ports: 2 pcs. JA 900023. 68 (ID) x 116 mm, cut to 90 mm total length.
- Terminals: JA Satin Nickel, 2 pairs.



Fig. 7. Finished system in PartExpress cabinet 302-754.