

## The Loudspeaker 3 (TL 3)

Designed by Troels Gravesen



*"Build a cost-effective, modest sized and yet powerful 3-Way from high quality 18 SOUND and Faital drivers.*

*Can be driven from as little as 15 watts due to plate-amp/DSP running the 15" bass driver.*

*Simple crossover delivers extraordinary dynamics and transparency."*

# JANTZEN AUDIO

## Speaker Units (Drivers) & Hypex Plate Amps:

**18 Sound  
15W700-8 (8Ω)  
Woofers**

**(Not included in DIY kit)**



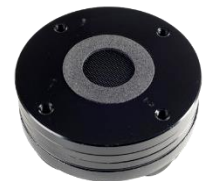
**Faital  
8PR210-16 (16Ω)  
Midrange-driver**

**(Not included in DIY kit)**



**18 Sound  
NSD1095N (8Ω)  
Compression driver**

**(Not included in DIY kit)**



**18 Sound  
XT1086  
Horn**

**(Not included in DIY kit)**



**Hypex (For Semi-active construction)  
FA 251 or FA501  
Fusion Plate Amps**

**(Can be included in DIY kit)**



## Crossover component options (kit levels):

### Level 1:

#### Inductors:

Litz wire wax coils  
Iron core wire coils



#### Resistors:

Superes resistors



#### Capacitors:

Tweeters (Horns): Amber Z-Caps



Midrange: Silver Z-Caps



Other: Silver Z-Caps



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## Crossover component options (kit levels):

### Level 2:

#### Inductors:

Litz wire wax coils  
Iron core wire coils



#### Resistors:

Superes resistors



#### Capacitors:

Tweeters (Horns): Alumen Z-Caps



Midrange: Silver Z-Caps



Other: Silver Z-Caps



## What else is included in the DIY kit?

### Damping Materials included in the DIY kit as standard:

Damping felt  
Polyester damping cloth  
Combed natural wool filler



### Accessories included in the DIY kit as standard:

Complete binding post plate terminal sets  
PFTF insulated silver infused cables for internal wiring  
Solder tag strips  
Screw-in terminals  
SuperFix component fastening glue  
Round head wood screws



**Pricelist**

*(Click here)*

**Optional accessories**

*(Click here)*

**Complete design article**

*(Click here)*

**Contact us to buy a DIY kit**

*(Click here)*

## General information:

- The prices mentioned in the pricelist are excluding shipping costs
- The “closed schematic” DIY kits can only be purchased directly from Jantzen Audio
- Crossover schematics & values for the “closed” DIY kits are not sold separately
- All crossover components must be purchased
- Drivers, Hypex, damping materials and accessories are optional (some exceptions)
- We do not offer pre-assembled crossovers

## **Customization:**

- Only the capacitors can be upgraded (when applicable)
- We do not offer to downgrade any components to a lower grade than included in the existing kit version / levels

## **Cabinets:**

- Cabinet materials are not included
- We do not offer readymade cabinets

## **Build instructions include:**

- A printed instruction containing, the component values list, the crossover schematic, a crossover component placement drawing and the wiring chart