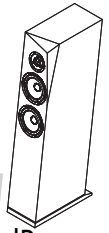


# 8|ACOUSTICS

Rinjani / Rinjani-Be Kit



User Manual



Technical specification :	Rinjani	Rinjani-Be
Frequency range	: 42-25000 Hz +/-3 dB	42-30000 Hz +/-3 dB
Sensitivity (2.83V / 1m)	: 89 dB	89 dB
Nominal impedance	: 4Ω	4Ω
Max SPL	: 107 dB	107 dB
Recommended amplifier	: 50-200 W	50-200 W
Cross-over frequency	: 3000 Hz	2300 Hz
Speaker type	: 2½-way Floor Stand	2½-way Floor Stand
Enclosure type	: Bass reflex	Bass reflex
Port tuning frequency	: 35.5 Hz	35.5 Hz

Drive Units:	Rinjani	Rinjani-Be
- High frequency driver	SATORI TW29R (29 mm soft ring dome)	SATORI TW29BN (Beryllium Tweeter)
- Low frequency drivers	2 x 6½" SATORI MW16P-8 (advanced midwoofer)	2 x 6½" SATORI MW16P-8 (advanced midwoofer)

#### Cabinet:

18 mm MDF

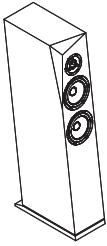
Dimensions (H x W x D) : 1009 x 190 x 464 mm / 45.87 x 12.41 x 20.47 inch

#### Net weight (pair):

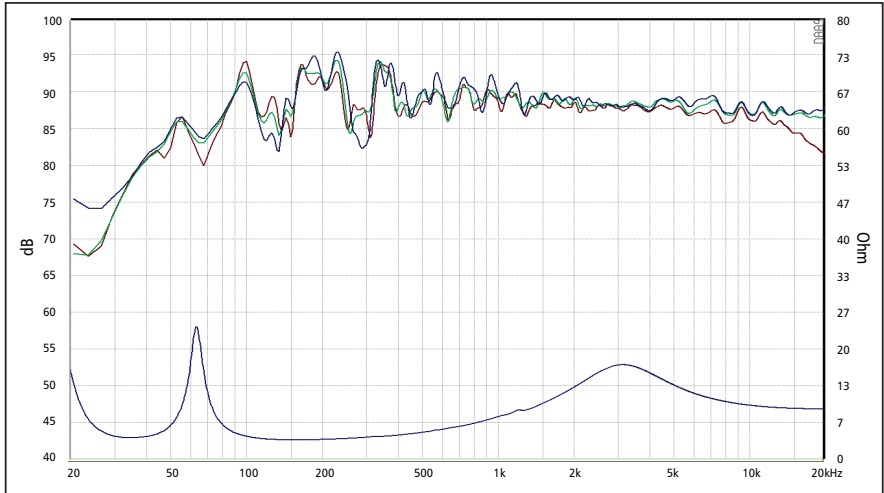
- Cabinet only : 18.49 kg / 40.76 lb
- Full assembly : 22.42 kg / 49.43 lb

#### Special Features:

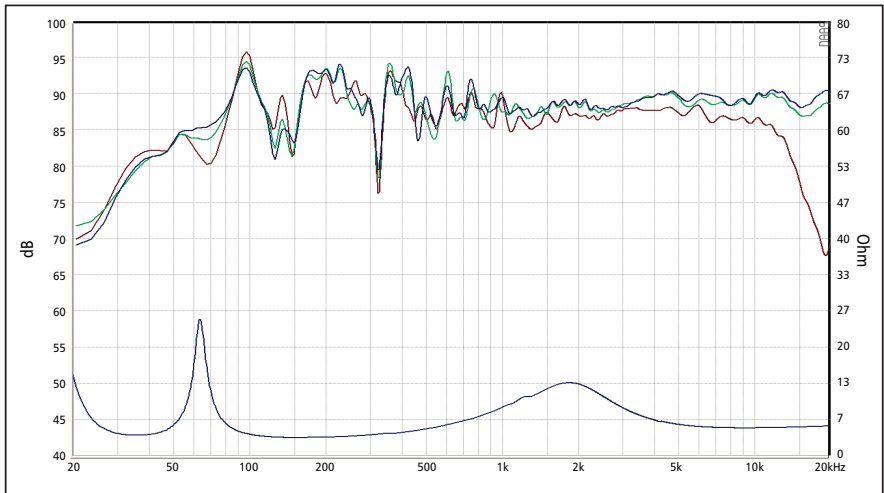
- Advanced high-end drivers
- Facets on top of cabinet for reduced high frequency diffraction
- Inclined baffle for correct time alignment of drivers (allowing for simpler cross-over design)
- Wedge shaped inner rear walls behind midwoofer for reduced direct reflection
- Internal bracing to reduce and distribute cabinet vibrations and hence lower sound coloration
- Dual ports for distribution of unwanted pipe resonances
- Inclined inner bottom for reduction of standing waves
- Solid single-wiring binding posts



### Frequency response ( Rinjani-Be )



### Frequency response ( Rinjani )

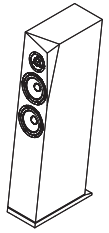


Response Curve :

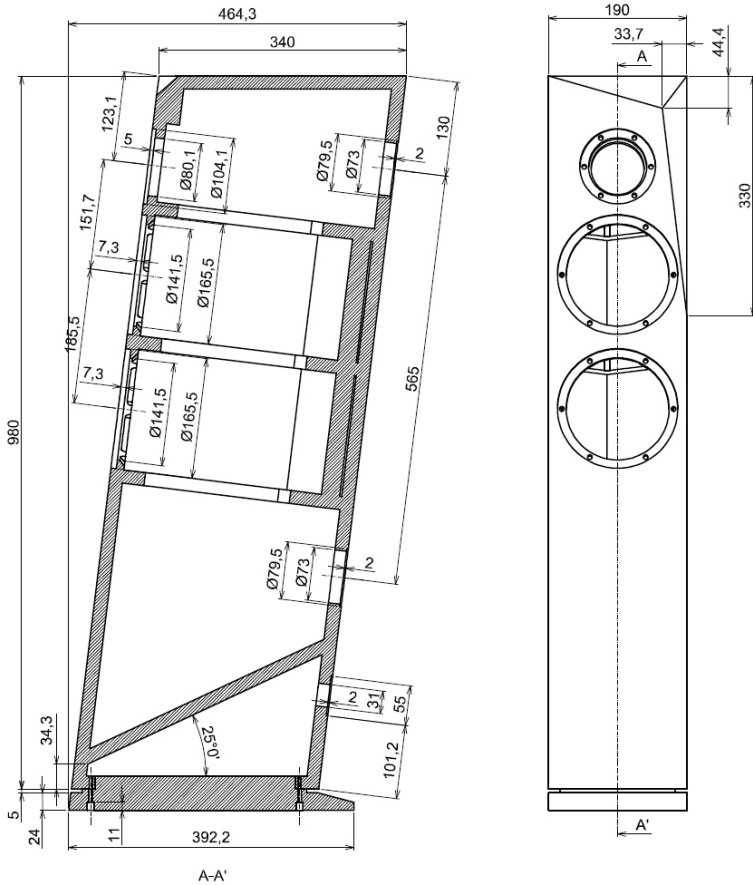
— (Blue) : on axis

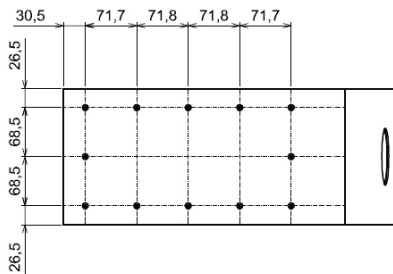
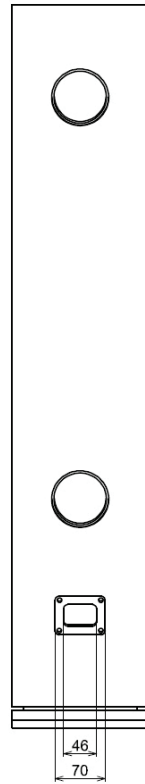
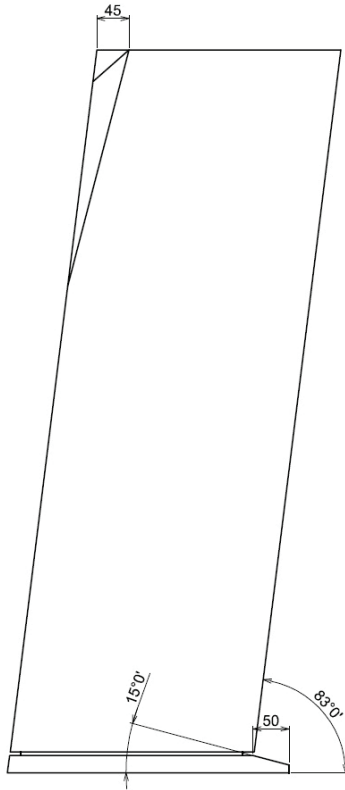
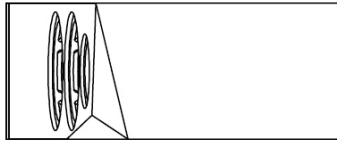
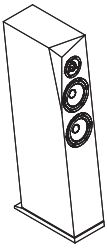
— ( Green ) : 15° off-axis

— ( Red ) : 30° off-axis

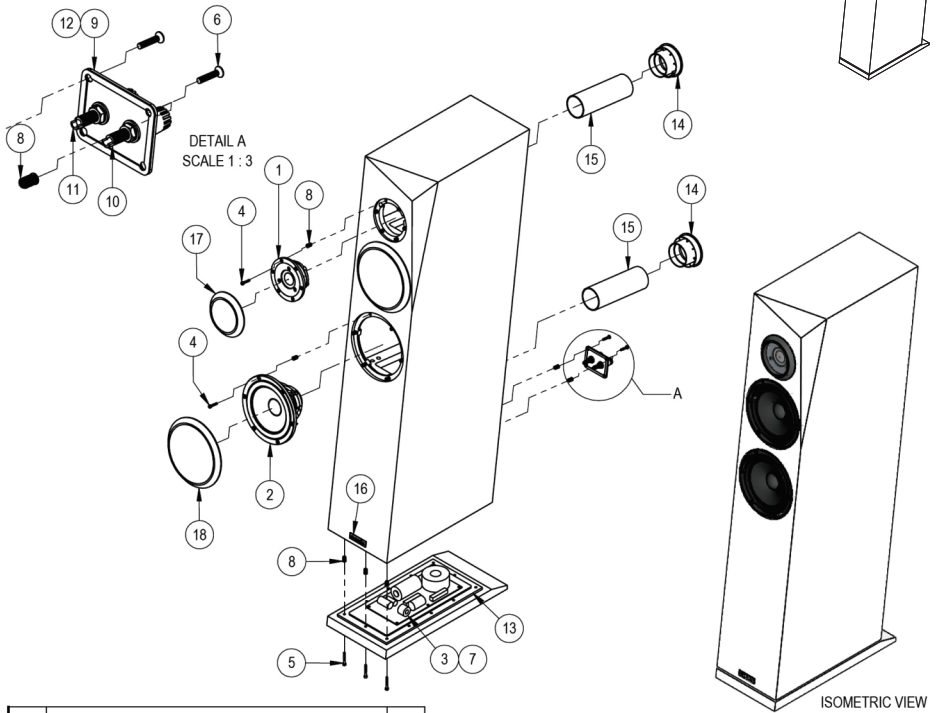


## Mechanical drawing (size in mm)

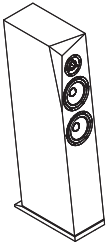




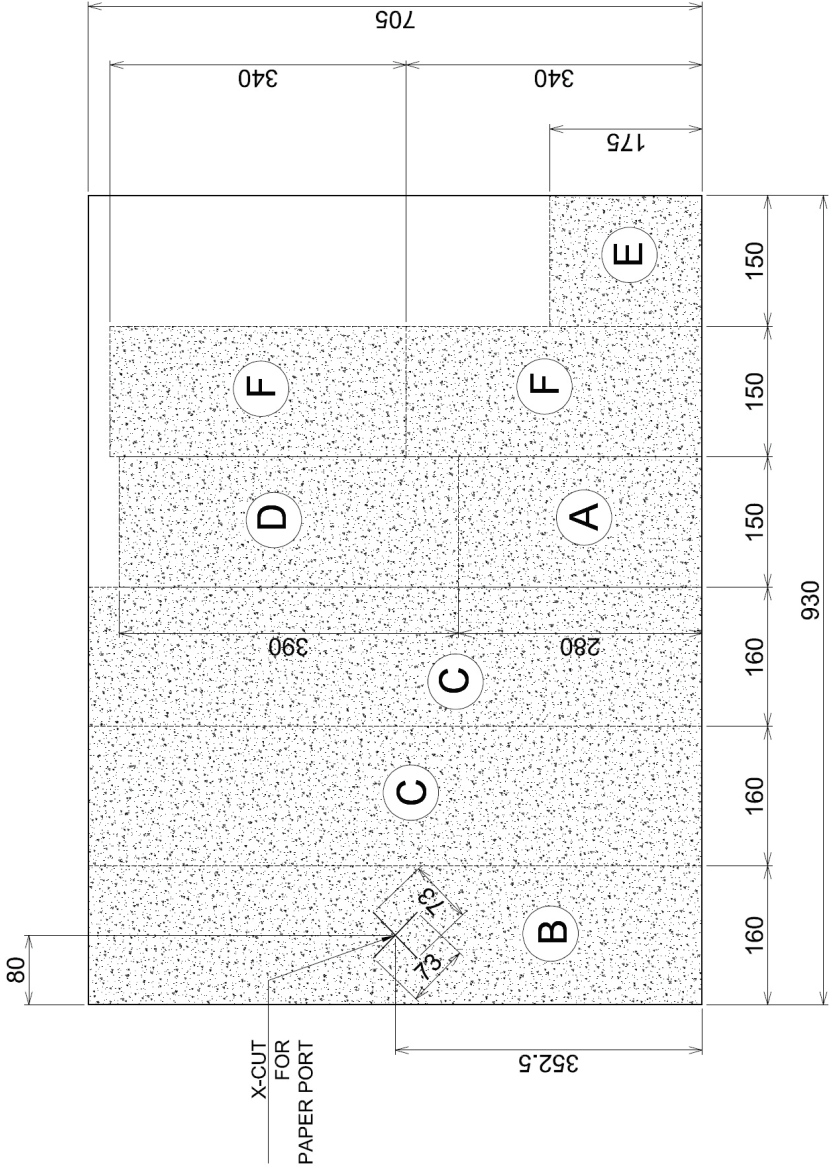
## RINJANI KIT - EXPLODED VIEW

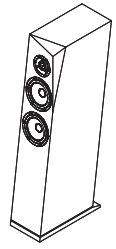


NO.	PART NUMBER	QTY.
1	SATORI TW29R or SATORI TW29BN (Sold separately)	1
2	6½" SATORI MW16P-8 (Sold separately)	2
3	Rinjani Kit Crossover (Sold separately)	1
4	Hex Socket Screw 4x20mm (For driver)	18
5	Hex Socket Screw 4x30mm (For pedestal)	12
6	Countersunk Screw 4X20mm (For terminal plate)	4
7	Wood Screw 4x16mm (From kit crossover)	6
8	Insert Nut M4 (Installed)	34
9	Stainless Steel Terminal Panel	1
10	Binding Post (-) (Black)	1
11	Binding Post (+) (Red)	1
12	Seal Gasket (For terminal plate)	1
13	Seal Gasket (For pedestal)	1
14	Port flare d:50mm (Installed on cabinet)	2
15	Paper tube d:50mm L:160mm (Installed on cabinet)	2
16	Name Plate	1
17	Grille for tweeter	1
18	Grille for woofer	2
19	Damping Material (See cut pattern)	1

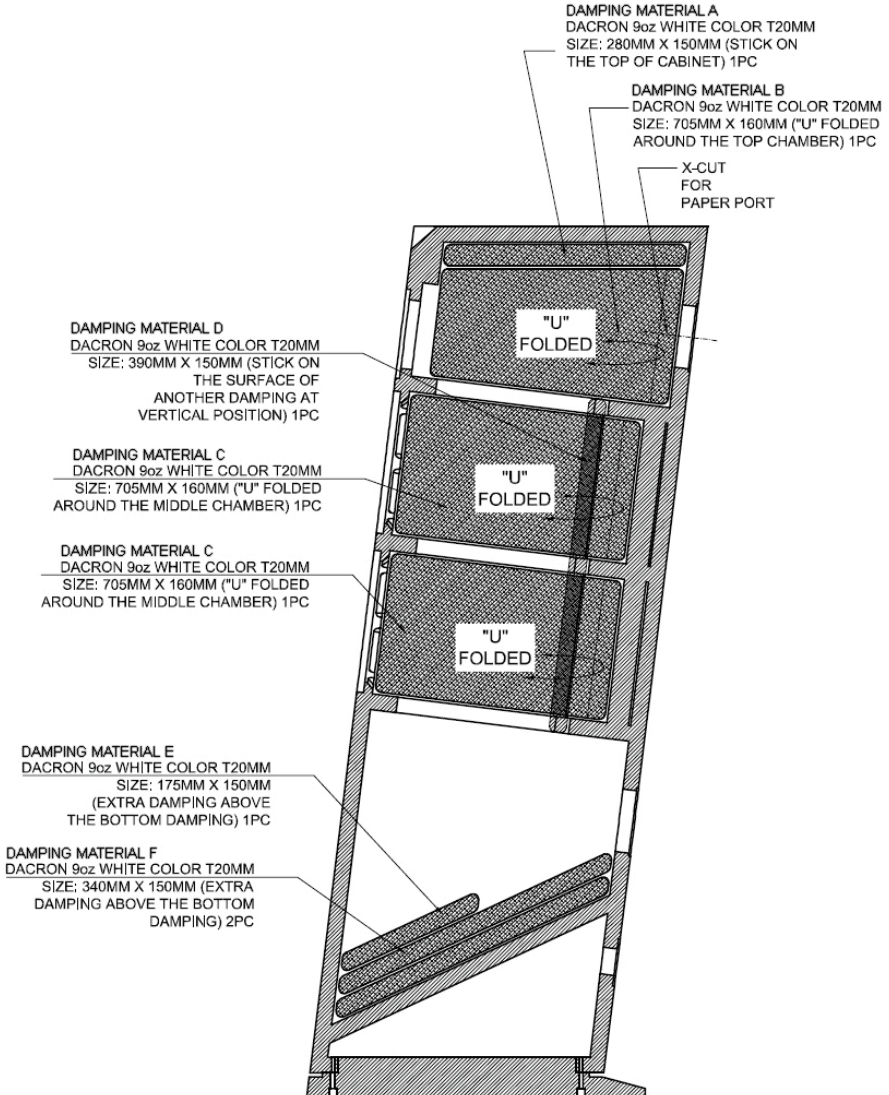


### Damping Material Cut Pattern (Size in mm)

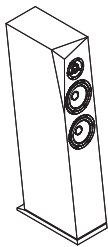




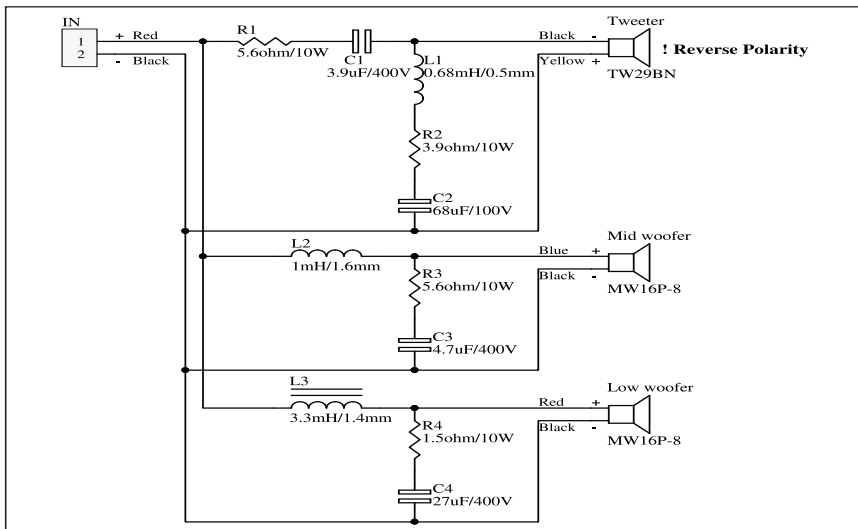
## Damping material position (size in mm)



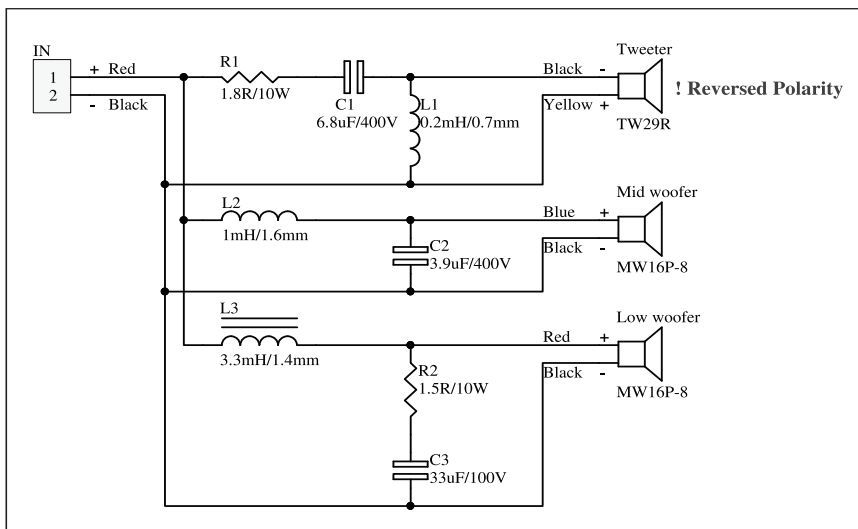


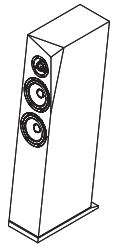


### Crossover Schematic ( Rinjani-Be )



### Crossover Schematic ( Rinjani )





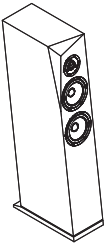
## Assembling instruction

### Part list (each cabinet):

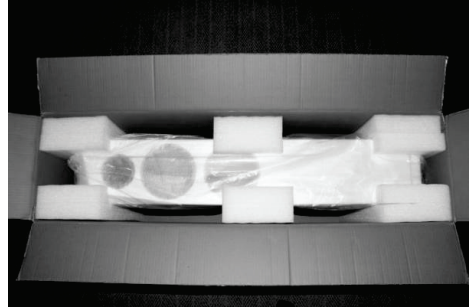
- High frequency driver SATORI TW29R or SATORI TW29BN (sold separately)....	1 pc
- Low frequency drivers 6½" SATORI MW16P-8 (sold separately).....	2 pcs
- Rinjani kit crossover (sold separately) .....	1 pc
- Hex socket screw M4 x 20mm (for drivers).....	18 pcs
- Hex socket screw M4 x 30mm (for pedestal) .....	12 pcs
- Countersunk screw M4 x 20mm (for terminal plate) .....	4 pcs
- Wood screw 4 x 16 mm for crossover (from kit crossover) .....	6 pcs
- Insert nut M4 (Installed ) .....	34 pcs
- Stainless Terminal plate .....	1 pc
- Binding post .....	1 pair
- Seal gasket (for terminal plate) .....	1 pc
- Seal gasket (for pedestal, installed on cabinet) .....	1 pc
- Port flare (installed on cabinet) .....	2 pcs
- Port paper tube (installed on cabinet) .....	2 pcs
- Damping .....	1 pc
- Name plate .....	1 pc
- Tweeter grill .....	1 pc
- Woofer grill .....	2 pcs

### Tools needed:

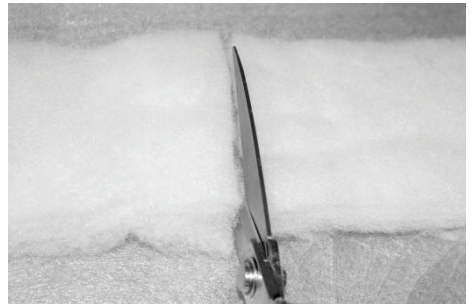
- Hex key 3mm size (for driver screw)
- Hex key 2.5mm size (for terminal plate screw)
- Philips screwdriver no. 2 (for crossover screw)
- Soldering iron + tin (for soldering input wire to terminal)
- Hot melt glue gun(for attaching the damping and sealing the wire hole)



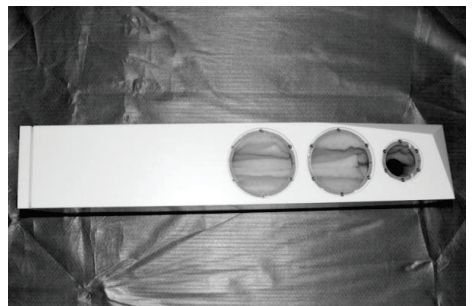
1. Take out the cabinet from the packaging and take out the raw damping material from the cabinet

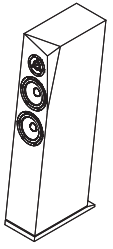


2. Cut the raw damping material to 8 pcs of damping according to the cutting pattern diagram

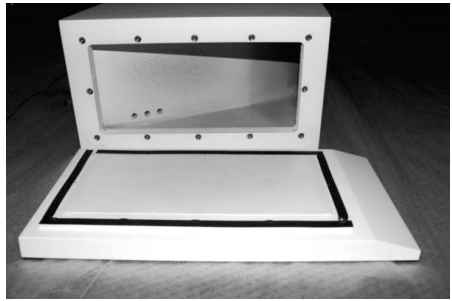


3. Place each damping part into the cabinet according to position diagram. Ad a bit of glue if needed to hold the damping in place

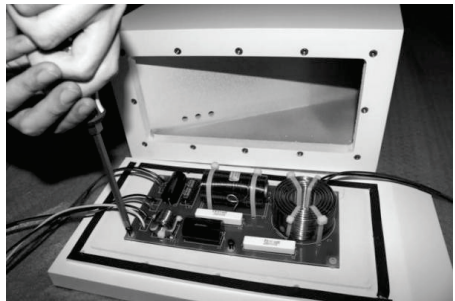


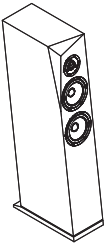


4. Detach the pedestal by loosening the four screws in each corner

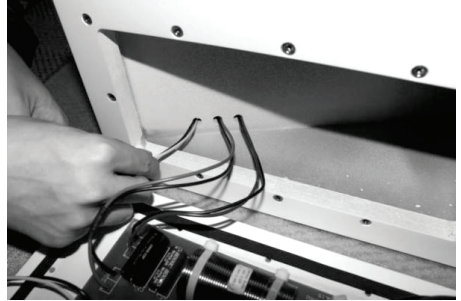


5. Place the crossover on top of the pedestal, then put the input cable towards the rear terminal side and the speaker wire towards the front panel

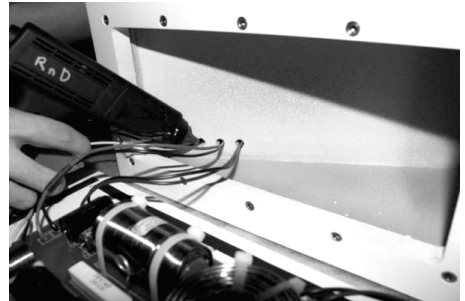




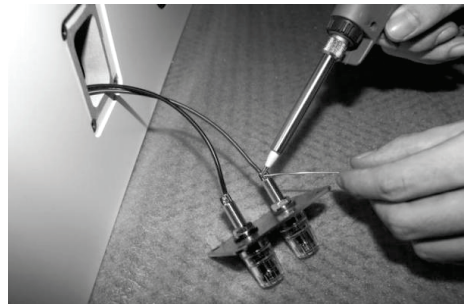
6. Pass the three pair of speaker wire through each hole in the bottom panel of the cabinet

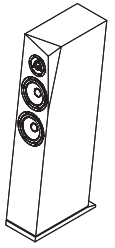


7. Seal all the cable holes with hot melt glue



8. Pull out the input cable through the terminal hole then solder it to the binding post terminal





9. Mount the terminal panel into the terminal hole at the back side

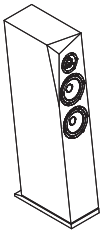


10. Mount the pedestal back to the cabinet then tighten it by tightening all 12 screws



11. Pull the three pair of cables through the holes in each cabinet bracing





12. Hook up the cable to the woofer and tweeter terminal



13. Mount the driver to the cabinet and fasten the screws



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