

ROKSAN

Kandy

**TR-5
LOUDSPEAKER**

K2

USER MANUAL



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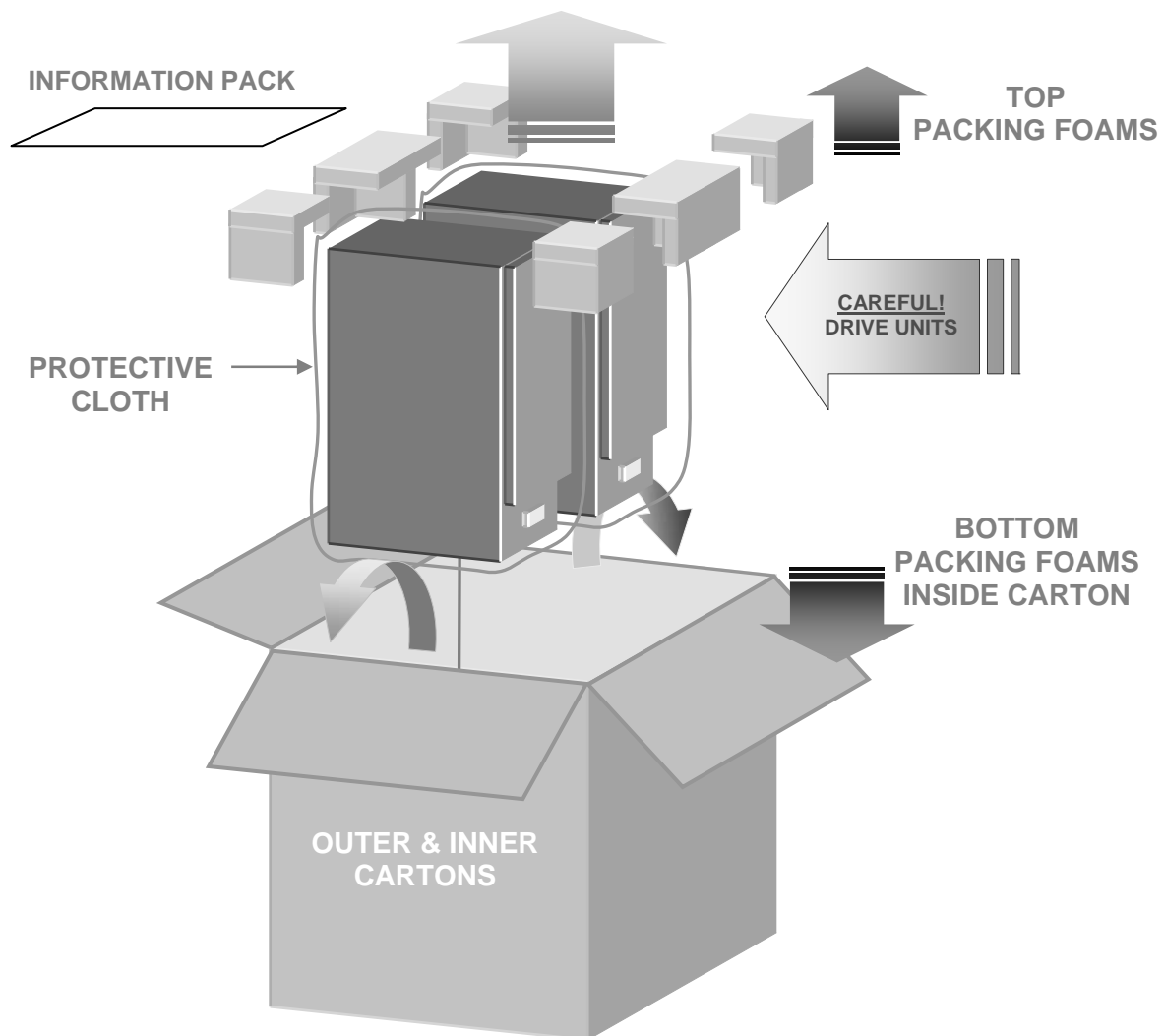
Congratulations on your purchase of the ROKSAN Kandy **K2 TR-5** Loudspeaker. This Loudspeaker is designed and manufactured to the highest specification and rigorously tested to offer you many years of trouble-free pleasure.

Your Kandy **K2** Loudspeaker is the only part of your hi-fi system that converts the electrical signal back to sound waves to reproduce the music being played. Its correct installation, set-up and operation will have a profound influence on the sonic performance of the entire hi-fi system. Please read the contents of this manual thoroughly. It will help you to understand your hi-fi equipment better and enhance your listening pleasure.

This manual is divided into the following sections:

- Safety Instructions (*Accompanying card*)
- Introduction
- Cautions
- Installation
- Setup
- Operation
- Troubleshooting
- Guarantee
- Specifications
- Notes

UNPACKING



After unpacking please retain **all** packing materials. Correct packing is necessary for future transportation of your Kandy **K2 TR-5** Loudspeakers.

MAINTENANCE

To maintain the appearance of the Kandy **K2** Loudspeaker as new, occasionally wipe the cabinet surface with a lightly dampened soft cloth or chamois leather. Quality wax based furniture polish may be used but you should experiment with the least obvious surface such as the back vertical plane (where the terminal panel is fitted) to avoid any potential damage to the high quality finish.



DO NOT

Wipe, press or pierce the Tweeter ribbon or the Woofer as this would cause permanent damage to the drive units



Avoid use of abrasives or solvents

CAUTIONS

*K a n d y **K2** Loudspeaker*

Your Kandy **K2** Loudspeakers are high quality audio devices, therefore care must always be taken to transport, position and operate the units correctly.

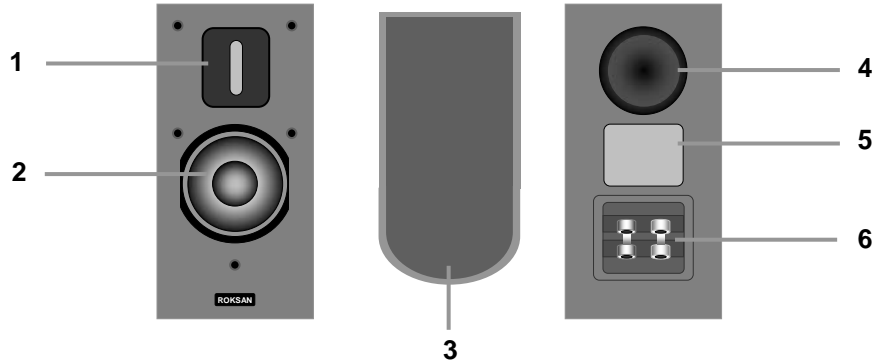
DO NOT expose the loudspeakers to extreme climatic conditions such as excessive cold, heat, sunlight, rain humidity or water etc...

DO NOT attempt to install the loudspeakers until you have read and understood all the necessary operational parameters and installation instructions regarding your Kandy **K2** Loudspeakers.

DO NOT make any connections between the amplifier and the loudspeakers while the amplifier is on. (Always refer to the amplifier user manual)

Kandy **K2** Loudspeakers contain no user serviceable parts. **Do Not remove any drive units/panels or attempt to service the loudspeakers yourself. *Unauthorised servicing will void the warranty.***

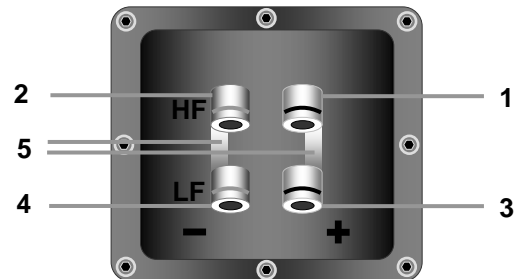
ROKSAN Kandy TR-5 Loudspeaker - Front & Rear View



1. High frequency Ribbon Tweeter
2. Low frequency Woofer
3. Loudspeaker Grille
4. Rear firing Port
5. Product label
6. Speaker terminal panel

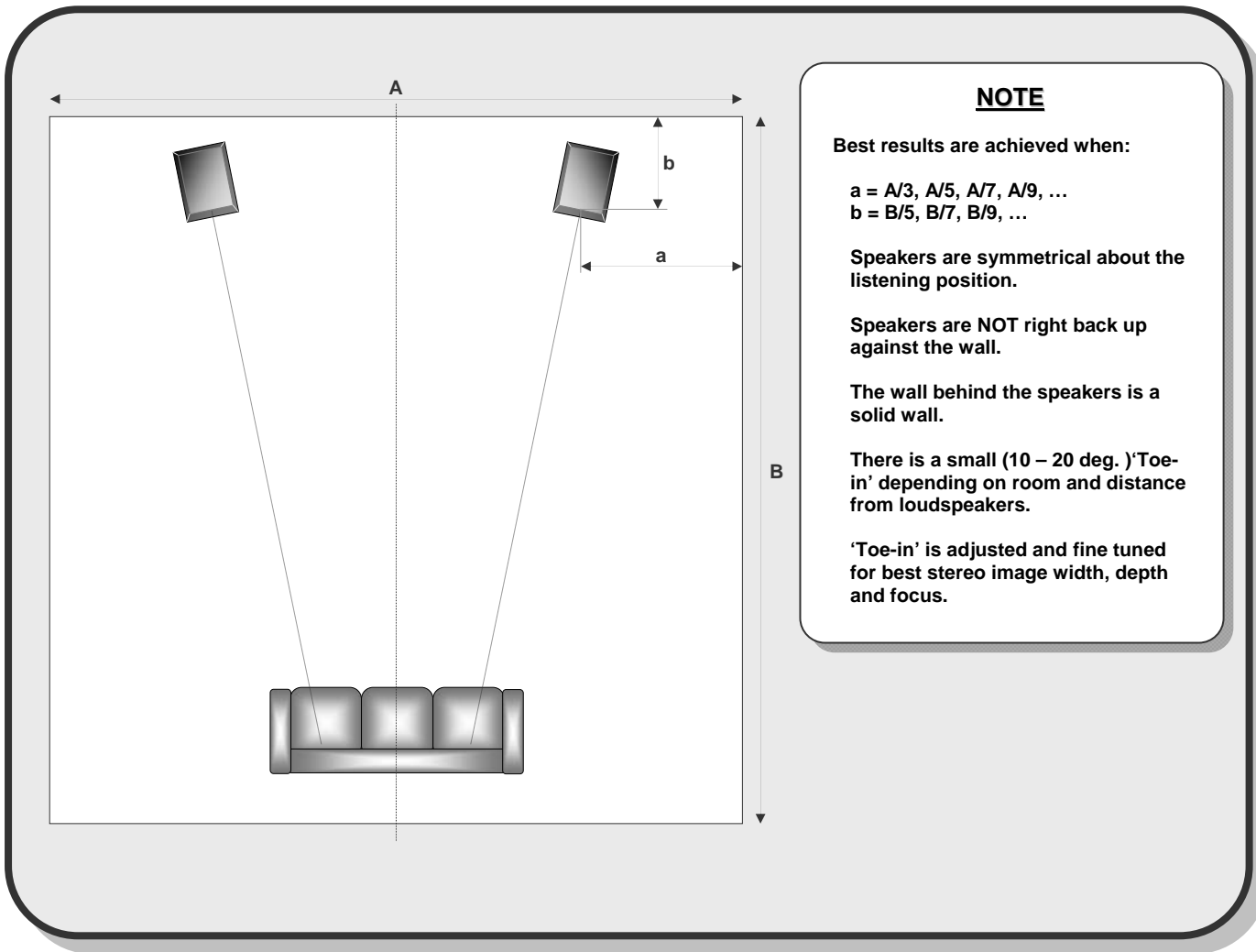
ROKSAN Kandy TR-5 Loudspeaker – Speaker Terminal View

1. Tweeter Input terminal (+ve)
2. Tweeter Input terminal (-ve)
3. Woofer Input terminal (+ve)
4. Woofer Input terminal (-ve)
5. Tweeter / Woofer 'Jump-bars' (removable)



One of the most important aspects of any loudspeaker installation is the positioning of the loudspeakers in the listening room. The art of loudspeaker positioning is to find the best compromise between sonic performance and domestic constraints in order to achieve optimum listening conditions. It may be necessary to slightly rearrange the layout of the furniture in your room. See below for general guidelines on setting up loudspeakers in a room.

As a rule, the loudspeakers should be positioned about 2 metres apart and symmetrical in relation to the central listening position. Both speakers should be in similar acoustic environment, for example, not to place **only one** speaker in an alcove. Avoid placing speakers in the room corners as this will result in a 'boomy' sound. The position of the loudspeakers relative to the rear wall and the amount of 'toe-in' are covered later as these are matters for fine tuning once the system is working. A rear space of around 0.5 – 1.0m and about 15 degrees of 'toe-in' are good starting points.



SETUP

Kandy **K2** Loudspeaker



NOTE:

To assist setup, first place the speaker stands in the desired positions. Fine tuning can be done afterwards to establish the optimum position/location of the speakers in the room.

CONNECTING LOUDSPEAKER CABLES

Conventional

Please refer to rear terminal panel view on Page 4. There are two sets of terminals the upper set corresponds to the tweeter (HF) and the lower to the woofers (LF). There is a small illustration printed on the rear label for your reference. The Kandy **K2** Loudspeaker comes supplied with a set of two removable 'jump-bars' already connected. To connect the loudspeaker conventionally, simply attach your speaker cable to the lower set of terminals marked 'woofer' (LF). Make sure that both loudspeakers are connected in the correct polarity with respect to the output terminals of your amplifier:

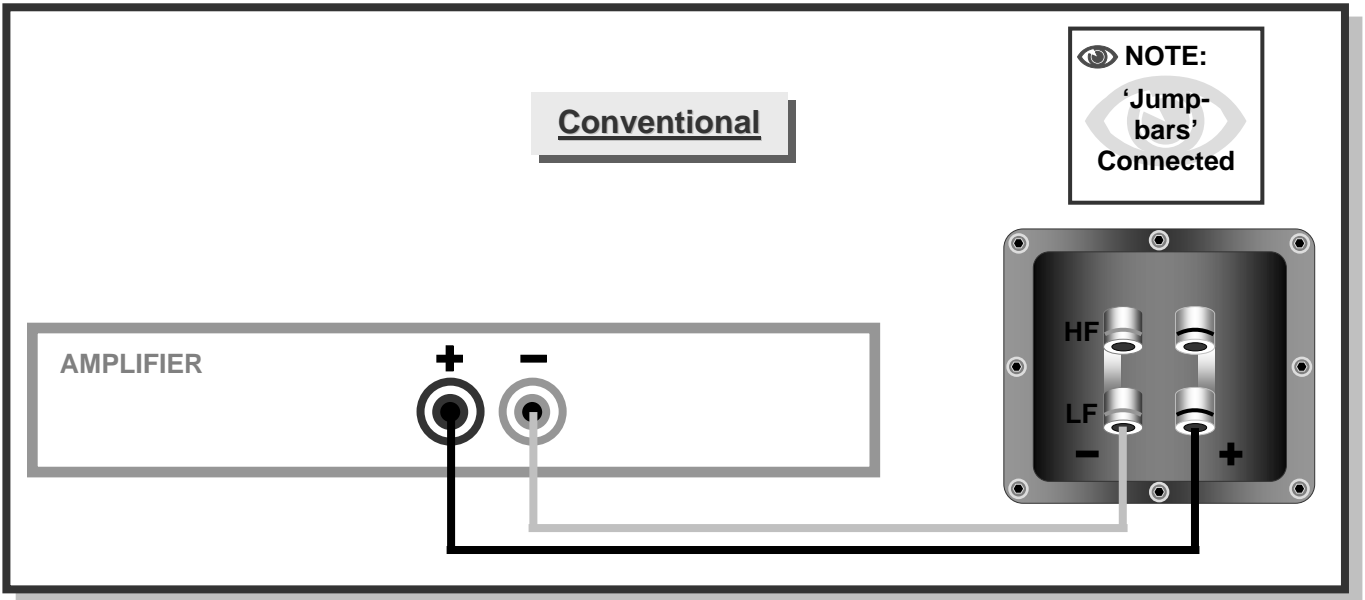
and
or

| | | | | | | |
|-------|---|-------|-----|-------|---|-------|
| RIGHT | ➔ | RIGHT | and | LEFT | ➔ | LEFT |
| RED | ➔ | RED | and | BLACK | ➔ | BLACK |
| +ve | ➔ | +ve | and | -ve | ➔ | -ve |



IMPORTANT NOTE:

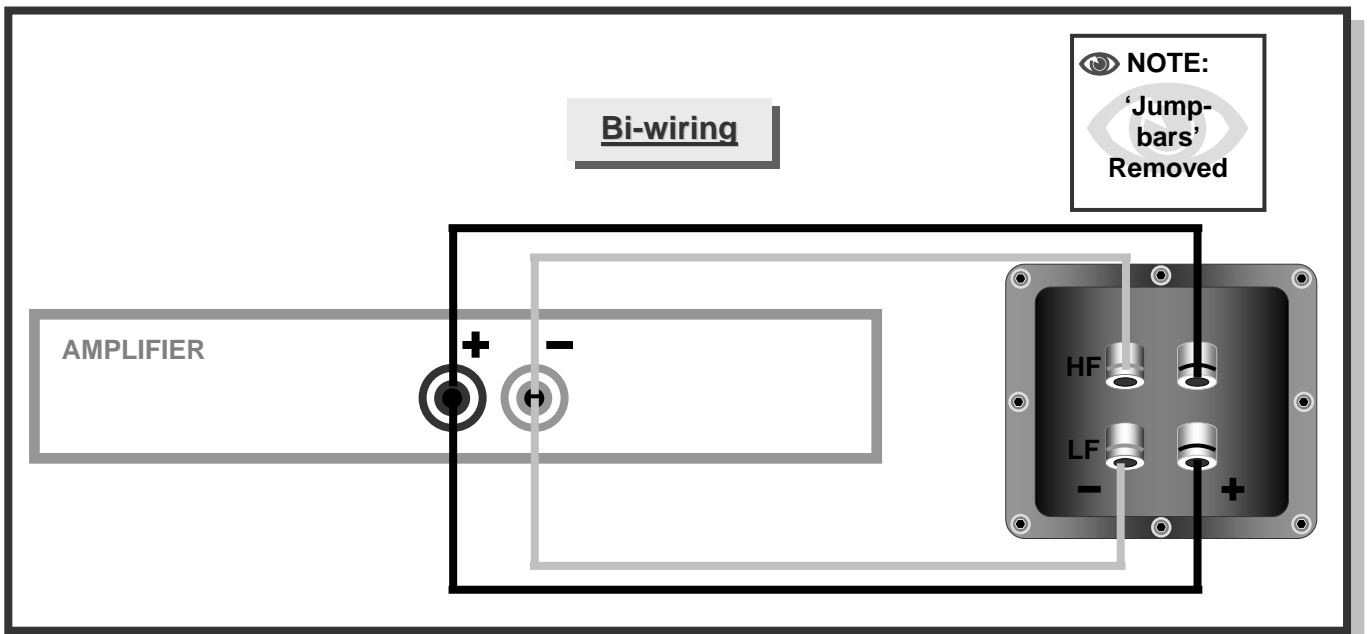
Always switch the **Amplifiers OFF** before attempting to connect or disconnect the speaker cables to/from your loudspeakers. Failure to do this may cause permanent damage to the amplifier and/or the loudspeakers.



CONNECTING LOUSPEAKER CABLES

Bi-wiring / Bi-amping

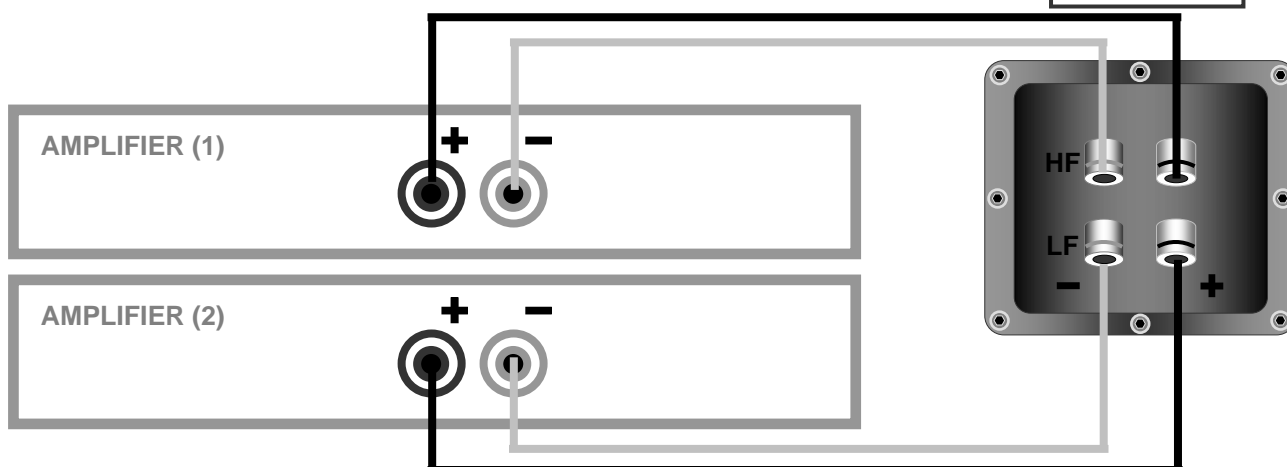
Your Kandy **K2** Loudspeaker is bi-wirable. This is achieved by **removing** the 'jump-bars' from the terminals and using one set of loudspeaker cables for the tweeter connections and another set (equal in length) for the woofer connections.



The Kandy K2 speakers are bi-ampable

Bi-amping

NOTE:
'Jump-bars'
Removed



NOTE:

For optimum performance it is recommended to use high quality cables such as **ROKSAN HDC-02S** High Definition Speaker Cable (3mm^2 Conductor area). Many speaker cables such as the ROKSAN HDC-02S are directional. Please observe this directionality. DO NOT use speaker cable with conductor size less than 16 AWG (1.3mm^2). The Binding posts comfortably accept conductor sizes up to 12 AWG (3mm^2).

LOUDSPEAKER STANDS

In order to realise the full potential of your Kandy **K2** Loudspeaker system, it is necessary to locate each of the loudspeakers as rigidly as possible on the speaker stands and the stands on the ground. Refer to the speaker stand user manual for correct installation. A better stand facilitates a better speaker setup and therefore better image stability, transparency and definition of the sound.

OPERATION

K a n d y **K2** Loudspeaker

After all the connections to the loudspeakers have been made correctly, you can switch on your amplifier(s). Always ensure that the volume setting is at minimum before playing any music through your loudspeakers. Check if there is any audible 'hum' in the system by listening to the loudspeakers without playing any music and gradually increase the volume. If there is any 'hum' or 'buzz' consult your appointed ROKSAN retailer or distributor.

FINAL POSITIONING

When setting-up or testing your Kandy **K2** Loudspeaker system, choose the music material that you know well and sit in the central listening position.



NOTE:

Your **Kandy K2** Loudspeaker system requires at least 48 hours of continuous music programme at reasonable volume to allow the various moving parts of the drive units and other component to 'run-in'. Once the speakers are run in, the bass will increase in weight, definition, extension, speed and articulation whilst the treble will sound more open, coherent and tactile.

The **Kandy K2** Loudspeaker system will continue to improve in performance over the first few weeks of use and it is at this time that you should finalise the placement of your loudspeakers.

At this stage try to analyse the sound objectively by listening to the overall balance and separation between various music instruments and voices, and to the stability of the 'sonic image' of your favourite music material or a good test album. After you have been listening for some time, begin to experiment with the positioning of the loudspeakers. Moving the loudspeakers away from the rear wall and more into the room will reduce the prominence of the low frequencies (bass) and improve the focus and the 3-dimensionality of the stereo image. Moving the loudspeakers closer to the rear wall will increase the prominence of the bass at the possible expense of degrading the focus of the stereo image.

Once you have found the position for a satisfactory tonal balance, try altering the angle of 'toe-in' of the loudspeakers. This will also affect the focus of the stereo image but it is highly dependent upon the acoustic environment of your room. The **K2** Loudspeakers will begin to 'disappear' as you approach the ideal position of the loudspeakers in your room.

For best results keep experimenting. This will increase your understanding of the way the loudspeakers interact with your room and improve the performance of your entire audio system.



NOTE:

A final adjustment and leveling of the speaker stands/spikes should be carried out after the optimum position/location of the speakers in the room is established.

TROUBLESHOOTING

K a n d y **K2** Loudspeaker

If you suspect that your ROKSAN **Kandy K2** Loudspeakers are not operating properly, you should check all the connections carefully. Pay particular attention to speaker phasing and channel connections. Below are some commonly encountered problems with suggestions for possible cure. The list is not exhaustive: If you have any unresolved problems, please consult your appointed ROKSAN retailer or distributor.

| SYMPTOM | LIKELY CAUSE | SUGGESTED REMEDY |
|---|---|--|
| No sound from one or both speakers | Speaker cables not connected properly 'Jump-bars' not connected properly Amplifier not switched ON Volume set at minimum | Ensure proper connection of cables Check all connections and tighten the terminal binding posts Switch amplifier ON Increase volume |
| Poor stereo image (not focused/defined) and/or lack of Bass | Speaker cable connected out of phase 'Jump-bars' not connected properly | Check speaker and amplifier speaker terminals are connected to corresponding cable (check colours and/or markings) Check all connections and tighten the terminal binding posts |
| Hum from speakers | Incorrect Grounding | Check Mains polarity and grounding on all connected equipment |

There are no user-serviceable parts inside your Kandy **K2 TR-5** Loudspeakers. If a fault should develop, refer any servicing to your appointed ROKSAN dealer, distributor or ROKSAN approved service agent.

Your ROKSAN Kandy **K2 TR-5** Loudspeakers are guaranteed against any defect in materials and workmanship for a period of **two years** from the date of purchase.

This guarantee only becomes effective if the warranty card is validated by the ROKSAN retailer from whom the equipment was purchased and returned to ROKSAN within **28 days** of purchase.

This guarantee excludes:

1. Damage caused due to accident, misuse, neglect and incorrect installation, adjustment or repair.
2. Liability for damage or loss during transit from the retailer or purchaser to ROKSAN or its authorised distributor for the purposes of repair or inspection.

Carriage costs to ROKSAN shall be borne by the consignor.

All claims under this guarantee must be made through an authorised ROKSAN retailer.

If equipment returned for repair to ROKSAN is found on inspection to comply with the product specification ROKSAN reserves the right to make a charge for examination and return carriage.

Unauthorised servicing will void this guarantee.

SPECIFICATIONS**K a n d y K2 Loudspeaker**

| | |
|-----------------------------------|---|
| Tweeter | High tolerance dedicated Ribbon |
| Woofers | Custom designed, 130mm coated paper Cast chassis with double magnets |
| Input Sensitivity (1W, 1m) | >88 dB |
| Impedance | >6 Ω Nominally 8 Ω |
| Frequency response | 39 Hz – 20 kHz (in room response) 55 Hz – 20kHz (-6dB) |
| Nominal Power Handling | 60 Watts |
| Peak Power Handling | 100 Watts |
| Dimension | 190 x 280 x 370mm W x D x H |
| Weight | 8.0 Kg |

NOTES

Kandy **K2** Loudspeaker

Kandy K2 TR-5 Loudspeaker

Purchase Date

ROKSAN Retailer

Serial Number:

 /

Year

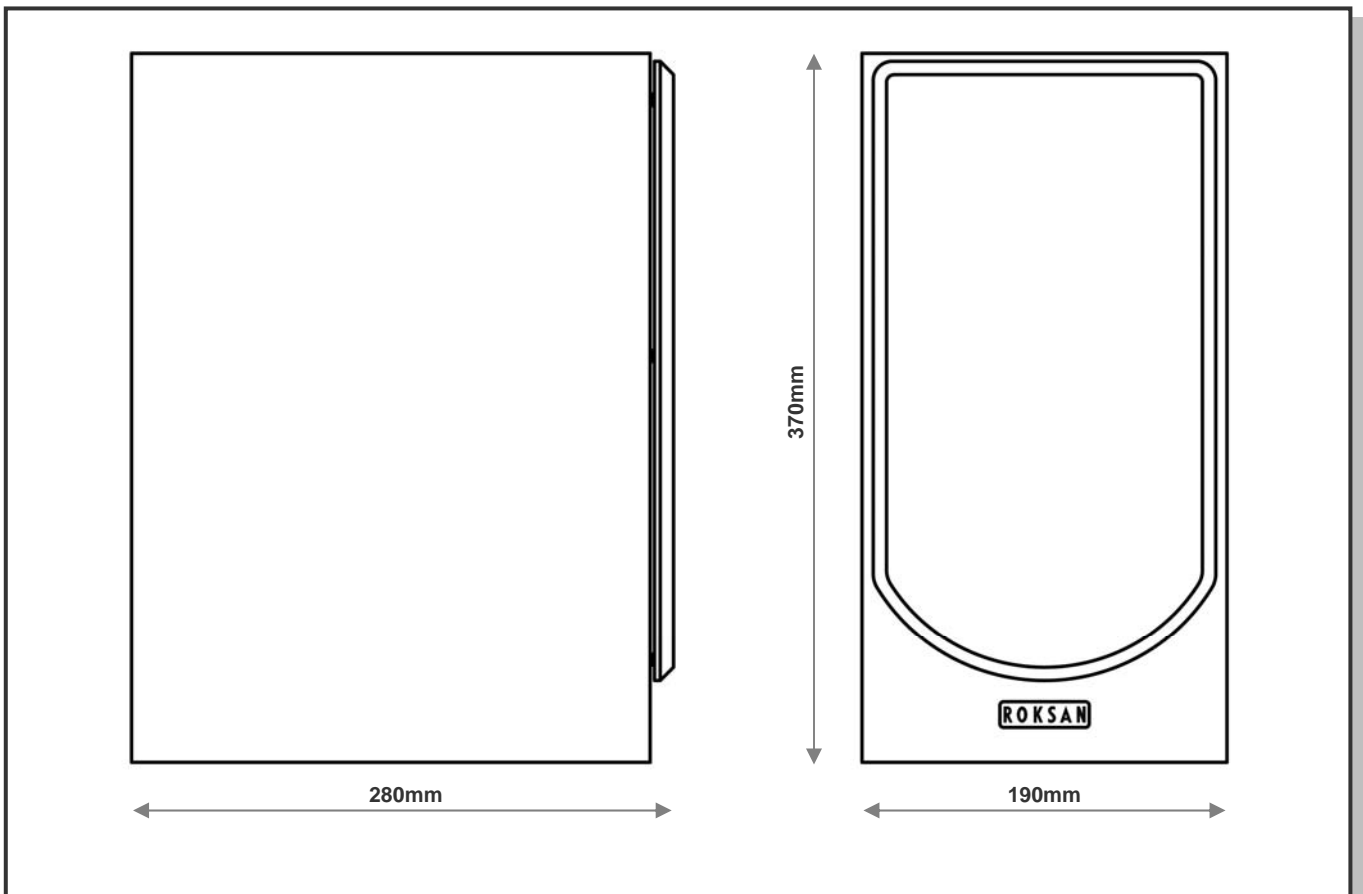
Month

Day

Name:

Location:

Please keep a record for future reference



ROKSAN

discover the music



K2

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