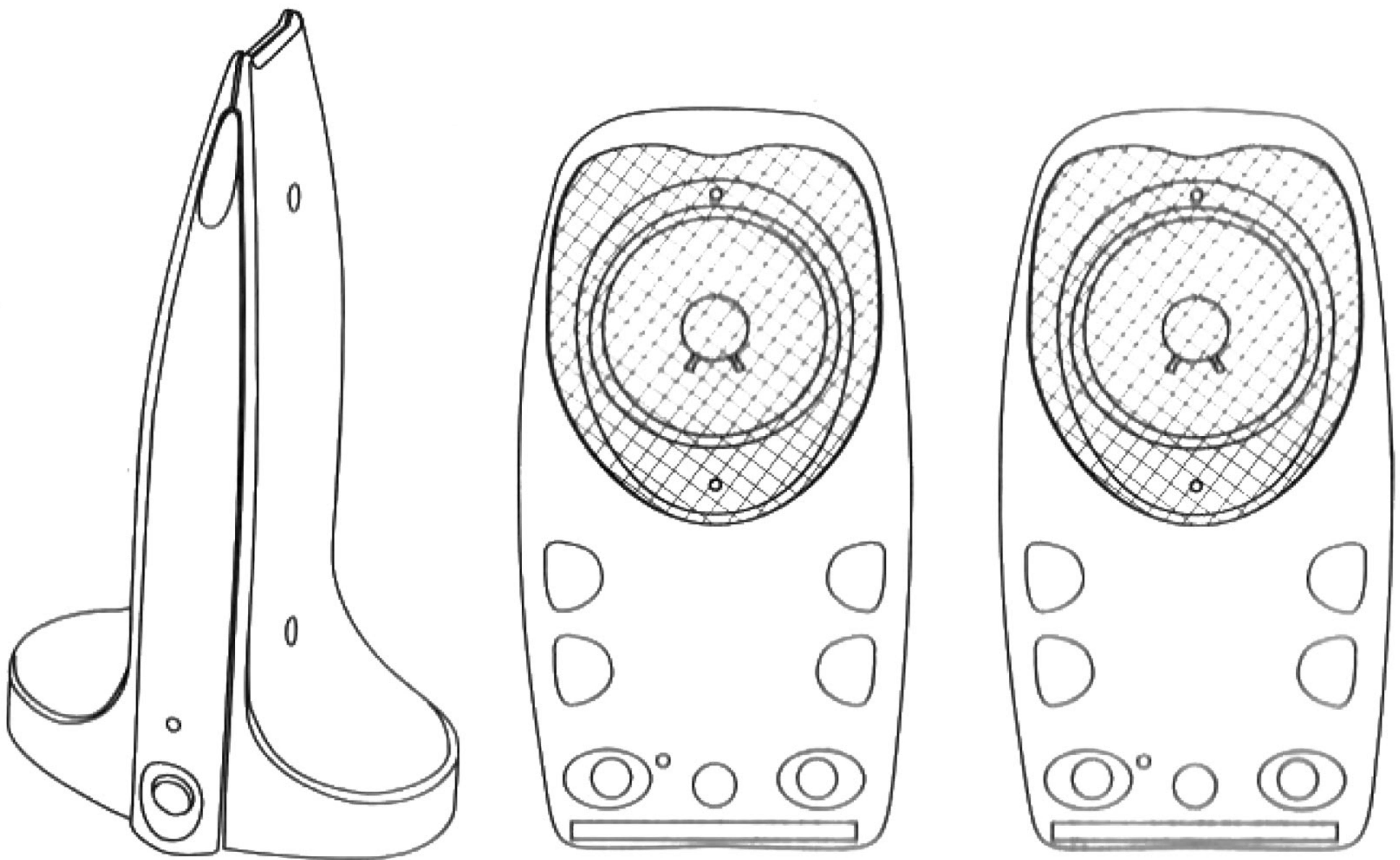


Goodmans

GMR9500S

863MHz Cordless Loudspeakers



OPERATING INSTRUCTIONS

Goodmans Helpline T/N | 02392 391100

IMPORTANT NOTES ON GOOD RECEPTION

- Carefully tune each of the receiver loudspeakers to the transmitter for best reception.
- Re position the transmitter in a different location should reception be poor.
- Ensure that the adequate audio signal is being supplied to the transmitter. Try turning up the volume control (if using headphone output source).
- The GMR9500S has a range of 45 Metres indoors and up to 100 Metres in an unobstructed area such as in a garden.

INTRODUCTION

The GMR9500S cordless FM stereo speaker system uses the latest 863MHz RF technology. The GMR9500S may be connected to most audio devices containing a line or headphone output socket commonly found on CD, TV, VIDEO, HIFI and Personal CD / radio players. It may also be used for PA purposes provided a high output (crystal) microphone is used.

FEATURES

- 863 MHz RF technology
- No line of sight limitation. Good reception from room to room.
- Operating distance up to 100 Metres
- Battery or mains powered operation of the loudspeakers (batteries not supplied)
- Virtually interference free stereo reception.

In the packaging material you will find the following:

- RF Transmitter with AC adaptor.
- 2 x Loudspeaker receivers with AC Adaptors.
- Audio input connecting leads.

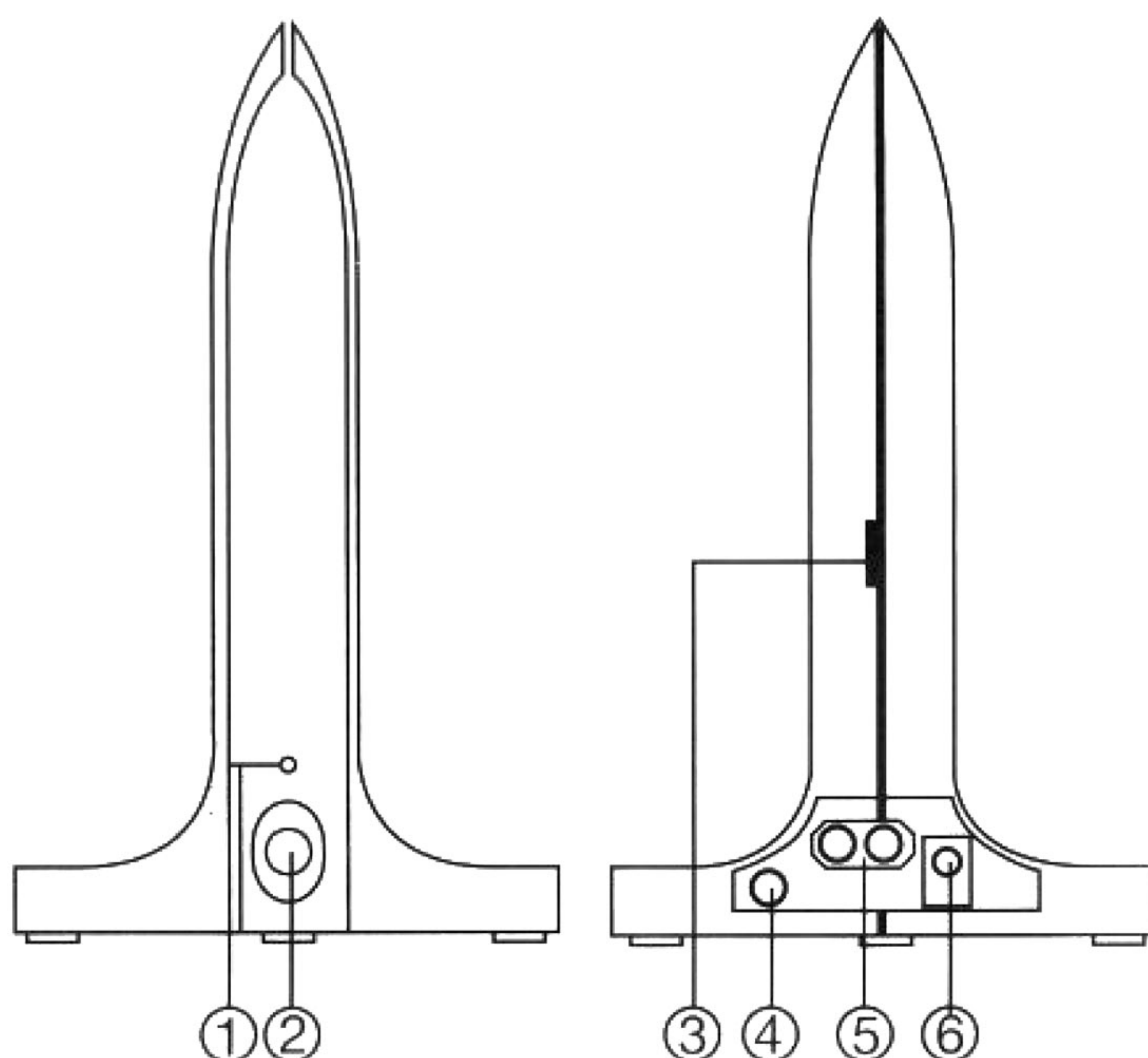
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IDENTIFICATION OF CONTROLS

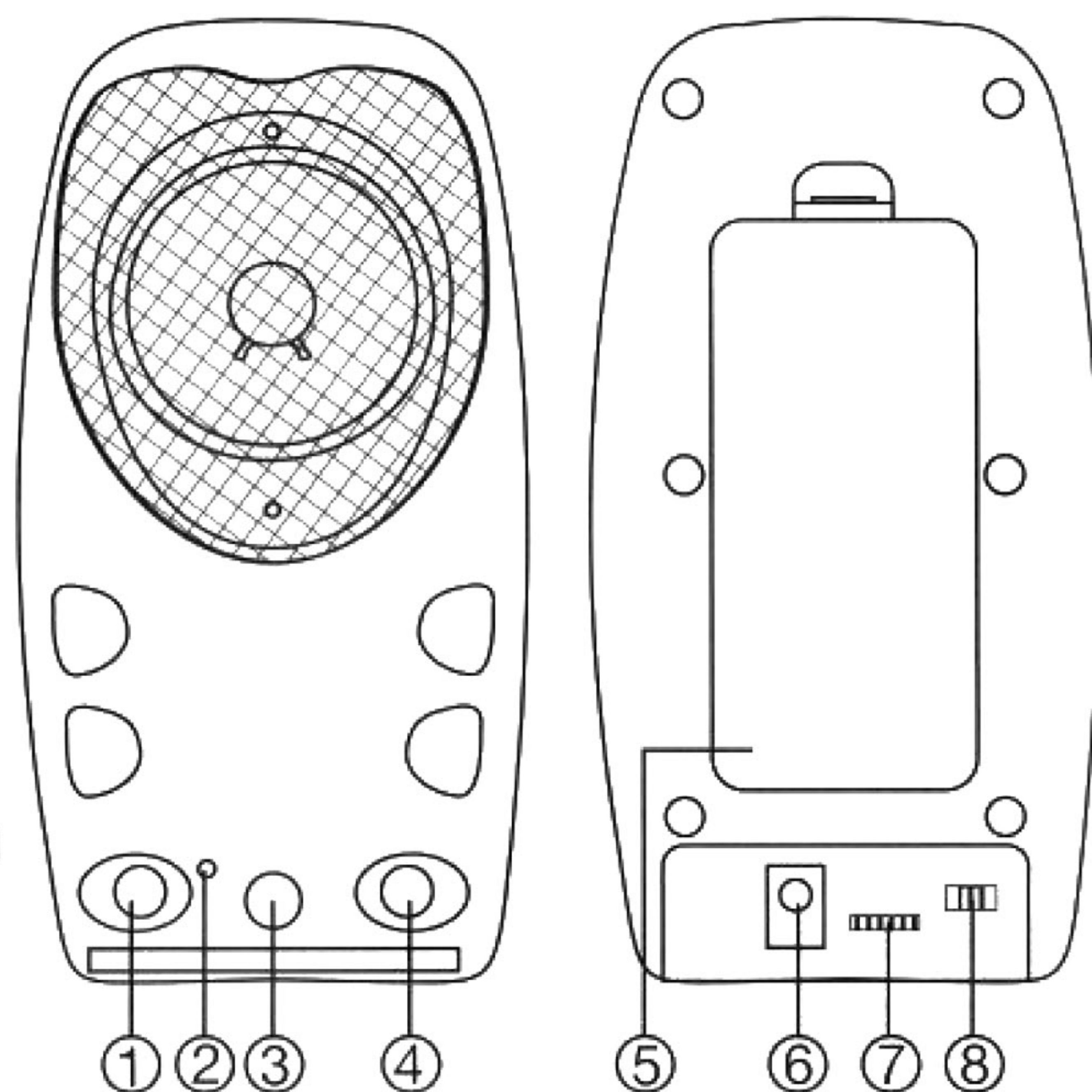
TRANSMITTER

1. Power Indicator
2. Power switch
3. Tuning Control
4. Audio Phono Inputs
5. Left / Right audio input sockets
6. 12V DC input socket



RECEIVER

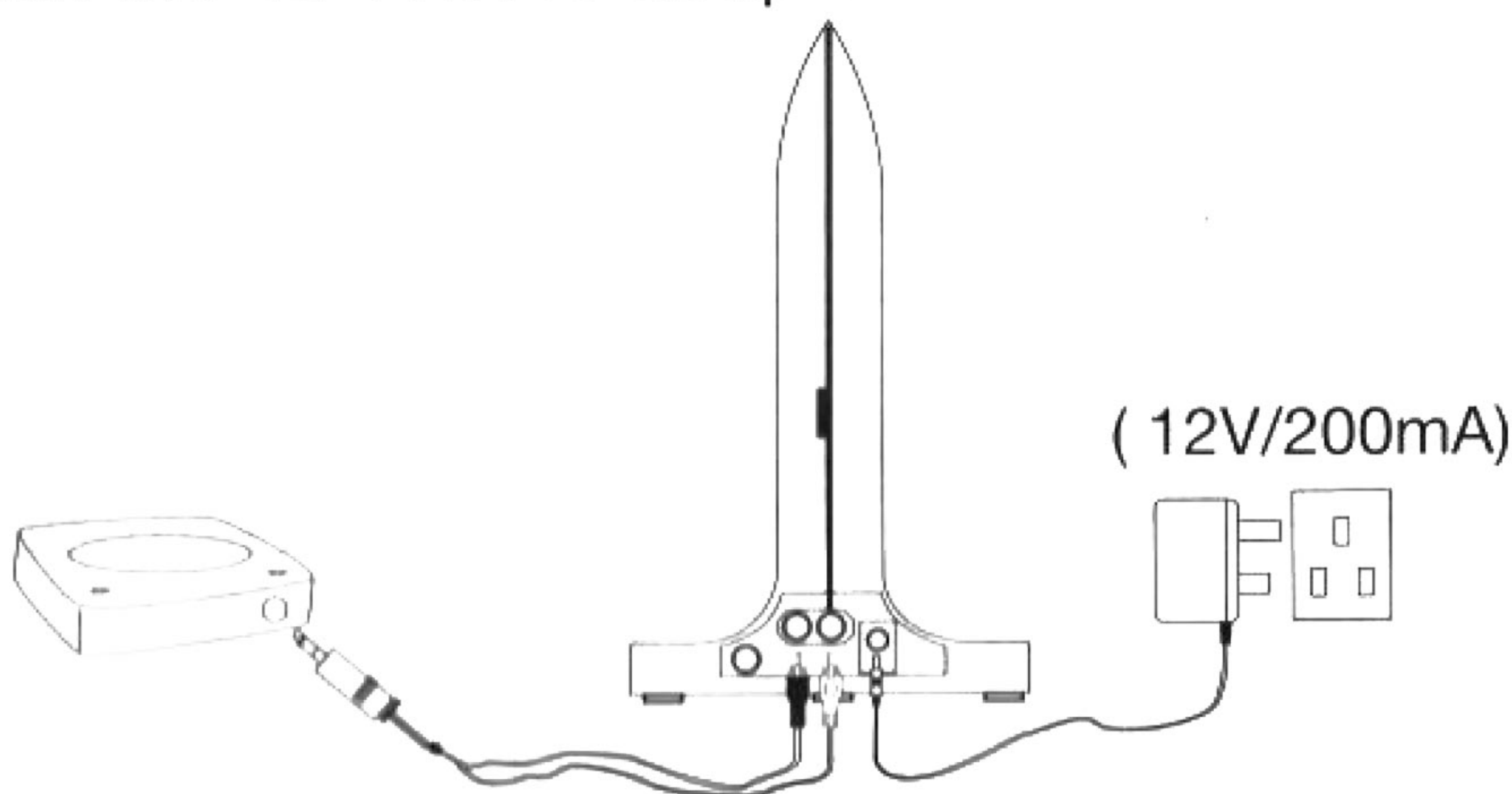
1. Power Switch
2. Power Indicator
3. Bass Boost
4. Volume Control
5. Battery compartment (6x AA batteries not supplied)
6. 12V DC input socket
7. Tuning control
8. Audio mode selector switch *LEFT / MONO / RIGHT*



CONNECTIONS

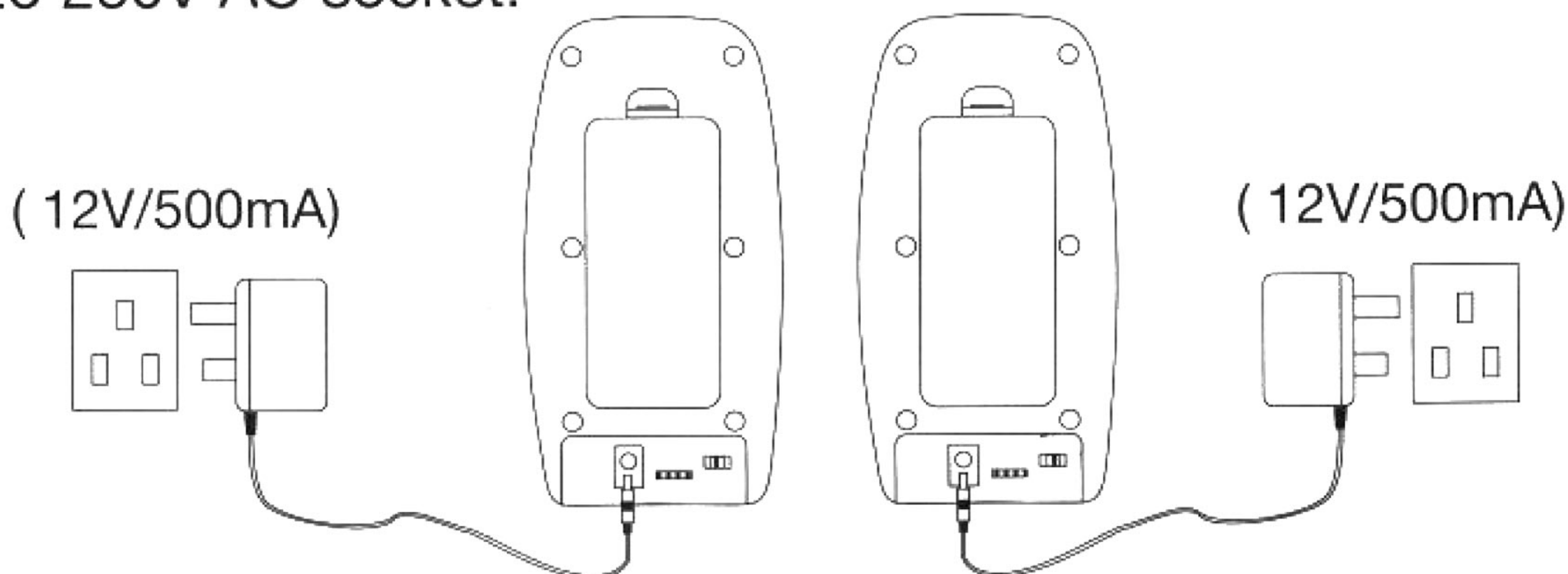
TRANSMITTER

1. Connect the supplied 12VOLT AC adaptor to the DC input socket.
2. Connect the supplied audio connecting lead to the audio input sockets. Connect the other end of the audio lead to the headphone or line output socket of your CD, TV, tape player etc.
3. Connect the 12 Volt AC adaptor to a 230V AC mains socket.



RECEIVER

1. If using mains supply connect the 12Volt AC adaptor to the DC input socket.
2. If using batteries insert 6 x AA size batteries (not supplied) into each of the battery Compartments of the receiver loudspeakers.
3. Select the appropriate loudspeaker mode on each of the loudspeaker ie: set to L or R. The loudspeaker positioned on the left side. Set R on the loudspeaker positioned on the right side. Select MONO if you wish to listen in mono.
4. If using the 12VOLT AC Adaptor insert each of the Adaptor into 230V AC socket.



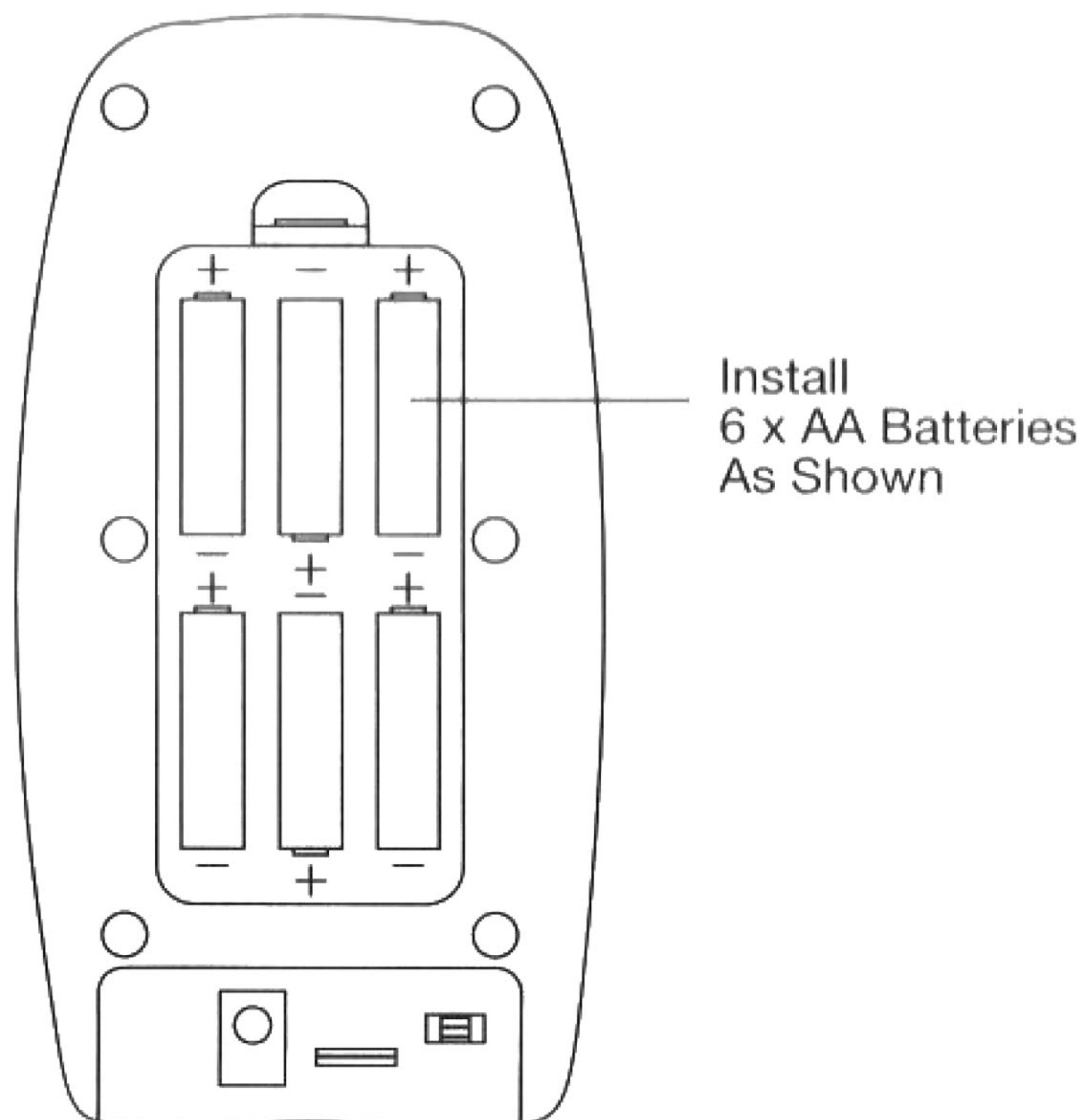
INSTALLING BATTERIES

Insert 6 x AA batteries (not supplied) into each of the receiver loudspeakers ensuring correct polarity as shown inside the battery compartment.

Alkaline batteries are recommended for use to ensure maximum playtime.

Notes:

- Rechargeable batteries may be used but a separate battery charger must be purchased.
- Ensure that the AC adaptor plug is removed from each of the receiver loudspeakers DC input sockets. Otherwise the batteries will not be connected and the loudspeakers will fail to operate.
- Replace all of the batteries should the speakers volume diminish, distort or the reception is marred by hiss / noise.



OPERATION

1. Operate the audio device Tape, CD, Personal Player etc. If using the headphone socket ensure that the volume control is initially set to its mid position and not set at minimum.
2. Switch on the power to the transmitter and each of the receiver loudspeakers.
3. Adjust the transmitter tuning control to its mid position.
4. Adjust each of the receiver loudspeakers tuning control for best audio responses (without hiss / noise).
5. Adjust the receiver loudspeaker volume level / bass boost as required.

TROUBLESHOOTING GUIDE

No Sound	<ul style="list-style-type: none"> • Check audio connection leads are correctly made. • Check that the audio device used CD, Tape etc. is switched on, operating and volume control advanced if the headphone socket is used. • Check the transmitter / receiver is powered up (power indicator should illuminate) • Adjust the Tuning control on each of the receiver speakers for best signal / response. • Batteries are flat in the receiver speakers (power light does not illuminate). Replace all batteries. • Batteries installed incorrectly. Check polarity / installation.
Noisy Reception	<ul style="list-style-type: none"> • Retune the receiver speaker tuning control. • Reset the transmitter tuning control to another frequency and then try retuning each of the loudspeaker to the transmitter. • Out of range. Move loudspeakers closer to transmitter, or try moving the transmitter location (the higher the better).
Distorted Audio	<ul style="list-style-type: none"> • Weak batteries (if used) Replace batteries. • If audio lead is connected to the headphone socket of the other audio device CD, tape etc. try reducing the volume control setting.

SPECIFICATION

	UNIT	NOMINAL	LIMIT
1. RECEIVER			
1.1 FREQUENCY RANGE	MHz	/	LOWER ≤ 863.0 UPPER > 864.0
1.2 MAX SEN'S (6dB S/N)	uV	1	3
1.3 SEN'S FOR 30dB S/N	uV	2	5
1.4 S/N RATIO (MONO) AT 1mV I/P	dB	60	55
1.5 FREQUENCY RESPONSE - 3dB (50uS PRE-EMP)	Hz	40 - 15K	55 - 12K
2. POWER OUTPUT			
(MONAURAL POWER AMPLIFIER)			
2.1 POWER OUTPUT 10% THD (75KHz DEV)	w	2.5	2.0
2.2 MAX POWER OUTPUT (75KHz DEV)	w	3	2.5
2.3 HUM LEVEL	- dB	50	40
3. OTHER			
3.1 BASS BOOSTER (100 Hz)	dB	8	6
4. TRANSMITTER			
4.1 FREQUENCY RANGE	MHz	/	LOWER ≤ 863.0 UPPER > 864.0
4.2 RF OUTPUT POWER	mW	1	0.5 - 1.5
4.3 OPERATING VOLTAGE	V	12	11 - 15
4.4 FREQUENCY RESPONSE (30mV I/P+RX)	Hz	30 - 15K	/

Please note that whilst every effort has been made to ensure interference free reception, 863 MHz cordless speakers may be subject to interference from other transmitting sources, In the unlikely event that this should occur, please be assured that this is normal and is not a fault of the system.

