

**Prüfbericht - Nr.:**  
Test Report No.:

**14016297 001**

Seite 6 von 15  
Page 6 of 15

User Manual

## 900MHz WIRELESS STEREO SPEAKERS



**Installation  
and Operation  
Manual**

 **Nasaco**  
Model MGJ811S

**Prüfbericht - Nr.:**  
*Test Report No.:*

**14016297 001**Seite 7 von 15  
Page 7 of 15

## Table of Contents

I.	Location of functions . . . . .	3
II.	Connecting the speaker system . . . . .	4
III.	Adjusting the transmitter . . . . .	6
IV.	Tuning the speakers . . . . .	7
V.	Turning the speakers off . . . . .	8
VI.	Recharging the batteries . . . . .	8
VII.	More helpful information . . . . .	9
VIII.	Specifications & Features . . . . .	10

## Introduction

Nasaco Wireless Stereo Speakers eliminate the hardest part of adding speakers to almost any location in your home – running and hiding hundreds of feet of speaker wire. Like FM radio, the Nasaco Wireless Speaker System's 900MHz signal travels with ease through walls, floors, ceilings and other obstacles, delivering high-quality stereo sound virtually anywhere inside the house or out. With drift- and static-free reception along with outstanding range – up to 91.5 M (300 ft)\* – the possibilities for enjoying your Nasaco Wireless Speaker System are nearly unlimited. Nasaco Wireless Stereo Speakers are compatible with most audio sources, such as TVs, DVD players, VCRs, A/V receivers/amps, stereos, and portable devices (CD players, MP3 players etc.)

This manual covers various connection options and detailed operating instructions for making Nasaco Wireless Speakers a valued part of your lifestyle.

\*Range may vary according to environment.

**Prüfbericht - Nr.:**  
Test Report No.:

**14016297 001**

Seite 8 von 15  
Page 8 of 15

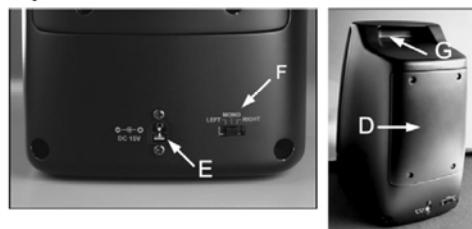
## I. Location of Functions

**Speaker Front View:**



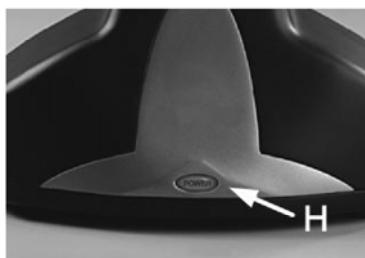
- A. Tuning indicator light (tuned)
- B. Standby/Charging indicator light (stdby/chrg)
- C. Power/volume/scan control

**Speaker Back View:**



- D. Battery compartment cover
- E. Speaker power input jack
- F. Left/mono/right switch
- G. Carrying handle

**Transmitter Front View:**



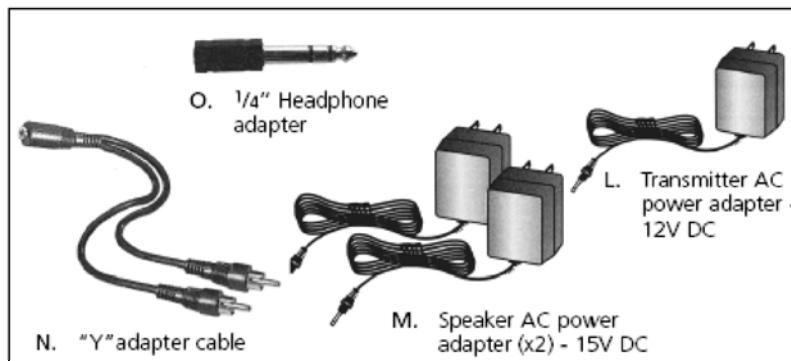
- H. Power indicator light

**Transmitter Back View:**



- I. Transmitter power input jack
- J. Audio input cable
- K. Channel select switch

**Accessories:**



**Prüfbericht - Nr.:**  
Test Report No.:

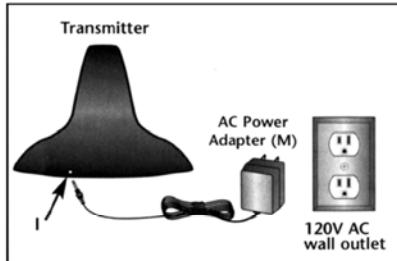
**14016297 001**

Seite 9 von 15  
Page 9 of 15

## II. Connecting the Speaker System

### I. Powering the Transmitter

Connect the small, round plug from the transmitter AC power adapter (L) to the transmitter power input jack (I) and plug the other end of the transmitter AC power adapter (L) into any standard 120V AC wall outlet.



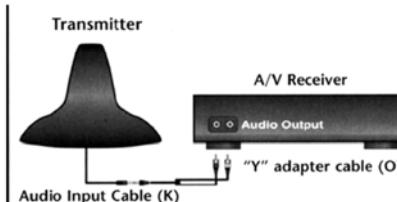
Note: Be sure to use the AC power adapter rated 12V DC 100 mA.

Note: There is no transmitter ON/OFF switch. The transmitter is designed to be left plugged in and powered at all times.

If you will not be using the speakers for an extended period of time, you may wish to unplug the transmitter AC power adapter.

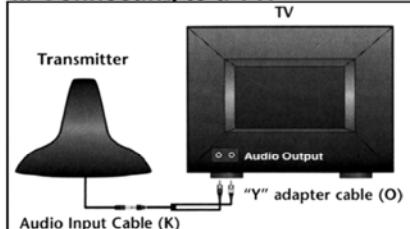
### II. Connecting to an Audio Source:

#### i. Connecting to an A/V Receiver:



1. Connect the included "Y" adapter cable (N) to the 3.5mm mini plug cable coming out of the transmitter.
2. Connect the RCA-type left (white) and right (red) audio plugs on the "Y" adapter cable to the corresponding left and right audio outputs of your A/V receiver, amp or other au-

#### ii. Connecting to a TV:



1. Connect the included "Y" adapter cable (N) to the 3.5mm mini plug cable coming out of the transmitter.
2. Connect the RCA-type left (white) and right (red) audio plugs on the "Y" adapter cable to the corresponding left and right audio outputs on the TV.

**Prüfbericht - Nr.:**  
*Test Report No.:*
**14016297 001**

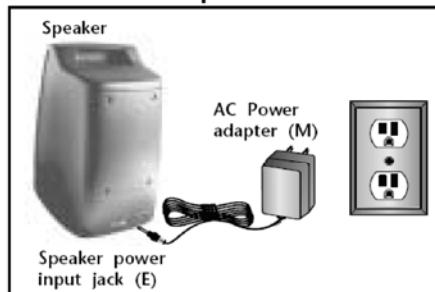
 Seite 10 von 15  
 Page 10 of 15

**Warning:** This product is designed to work with line level outputs or headphone outputs only. DO NOT connect it directly to speaker outputs as it will permanently damage the transmitter.

### III. Powering the Speakers

There are two options to power your wireless speakers:

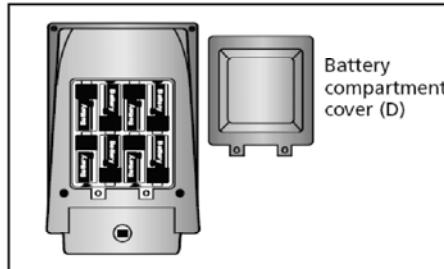
#### i. AC Power Adapter:



1. Turn the speaker volume down by rotating the power/volume/scan control (C) on the front of the speaker all the way to the left.
2. Insert the small, round plug from one speaker AC power adapter (N) into the speaker power input jack (E).
3. Plug the other end of the speaker AC power adapter into any standard 120V AC wall outlet.

Note: Be sure to use the speaker AC

#### ii. C-cell Batteries:



1. Turn the speaker volume down by rotating the power/volume/scan control (C) on the front of a speaker all the way to the left.
2. Remove the battery compartment cover (D) on the rear of a speaker.
3. Insert eight (8) C-cell batteries (not included) into the speaker following the polarity ("+" and "-") as diagrammed inside the battery compartment.
4. Replace the battery compartment

**Important:**

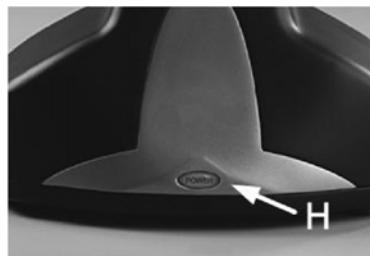
If you are using rechargeable batteries, the batteries will charge when the speakers are powered with the AC power adapters (the "standby/charging" light will illuminate green). The AC adapters will charge rechargeable NiMH or NiCd batteries. DO NOT attempt to charge any other batteries except those specified above.

**Prüfbericht - Nr.:**  
*Test Report No.:*

**14016297 001**

Seite 11 von 15  
Page 11 of 15

### III. Adjusting the Transmitter



H. Power indicator light



I. Transmitter power input jack  
J. Audio input cable  
K. Channel select switch

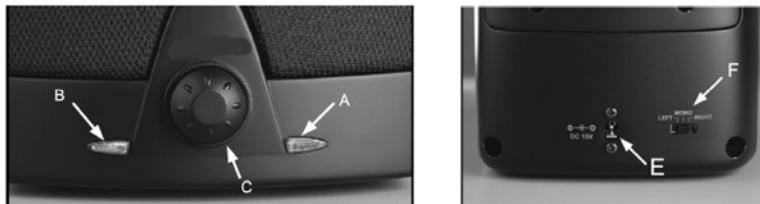
1. Turn ON your audio source (i.e., A/V receiver, TV, stereo, etc.) and play music at a normal listening volume.
2. Set the channel select switch (K) on the back of the transmitter to 1, 2, or 3. The transmitter provides three different broadcasting frequencies. In the event that you experience poor reception or interference, try choosing a different frequency by moving the channel select switch to another position.

**Prüfbericht - Nr.:**  
Test Report No.:

**14016297 001**

Seite 12 von 15  
Page 12 of 15

## IV. Tuning the Speakers



- A. Tuning indicator light (tuned)  
 B. Standby/Charging indicator light (stdby/chrg)  
 C. Power/volume/scan control
- F. Left/mono/right switch

1. Push the power/volume/scan controls (C) to turn each speaker ON. The standby/charging indicators (B) will illuminate red while the speakers are tuning to the transmitter. The "tuned" indicators (A) will illuminate blue, indicating that the speakers are tuned to the transmitter, and you should hear sound coming from the speakers.  
 Note: Once the speakers have tuned to the transmitter and the blue "tuned" indicators are on, the red "standby/charging" indicators will turnoff.
2. Adjust volume on each speaker as desired.
3. For stereo operation, set the left/mono/right switch (F) to "left" on the speaker located to the left of the listener, and set the other speaker to "right" position. Set each speaker to "mono" for the best audio quality, if you plan on using one speaker in a different room from the other.
4. The speaker will automatically retune if it loses the signal from the transmitter. However, you can also push the power/volume/scan control to retune the speaker at any time. While the speaker is tuning, the blue "tuned" indicator will turn off and the red "standby/charging" light will be lit. After locking onto the transmitter signal, the blue "tuned" indicator will come back on and the red "standby/charging" indicator light will turn off. Note: Interference in the form of static and/or distortion can sometimes be heard. If this occurs, confirm the transmitter/speaker adjustments and indicators. If the problem persists, refer to the Troubleshooting section of this manual.

**Prüfbericht - Nr.:**  
*Test Report No.:*

**14016297 001**

Seite 13 von 15  
Page 13 of 15

## V. Tuning the Speakers Off

1. Push and hold the power/volume/scan control (C) to turn each speaker OFF. You will need to hold the control for about 1.5 seconds for the speaker to turn off.
2. Confirm that the speaker is off by verifying that the red "standby/charging" light and the blue "tuned" light are off.

**Note:** If rechargeable batteries are installed (NiMH or NiCd only) and the speakers remain plugged in via the AC power adapters, the left "standby/charging" indicator light will glow green, even after the speakers have been turned off, indicating that the rechargeable batteries are being charged.

## IV. Recharging the Batteries

The speaker will automatically charge the rechargeable batteries (NiMH or NiCd) only when the batteries are installed and the speaker is plugged in with the AC power adapter.

**Warning:** The AW874C built-in charger will charge rechargeable NiMH or NiCd batteries only. DO NOT attempt to charge any other batteries except those specified above.

**Warning:** If alkaline or other non-rechargeable batteries are installed, DO NOT plug in the speakers using the AC power adapters. This can cause the batteries to leak and damage the speakers. Only use rechargeable batteries if you intend to keep the speakers plugged in.

**Prüfbericht - Nr.:**  
*Test Report No.:*

**14016297 001**Seite 14 von 15  
Page 14 of 15

## VII. More Helpful Information

### i. About Fixed-Level Audio Outputs:

A fixed-level, or line-level audio output is considered ideal since it provides an audio signal unchanged by adjustments to the audio source (stereo, etc.) volume control.

### ii. About Variable-Level Audio Outputs:

A variable-level output, such as a headphone jack or certain RCA-type outputs, provides an audio signal that changes with the volume level set on the audio source (stereo, etc.). As the volume of the audio source is adjusted up and down, so is the audio signal strength sent to the transmitter. This can affect the quality of sound generated by the speakers, and may require an adjustment of the volume level of the audio source to produce a signal strong enough for the transmitter.

**Hint:** On most bookshelf-type or compact stereo systems, inserting a headphone plug into the headphone jack results in automatic cutoff of the regular, or hard-wired speakers.

**Hint:** Most TVs, regardless of age or price, have variable outputs. If you are unsure which of your TV audio outputs is fixed, refer to the TV instruction manual. Some TVs have outputs that can switch between variable and fixed.

When given a choice, fixed is always recommended.

**Prüfbericht - Nr.:**  
*Test Report No.:*

**14016297 001**

Seite 15 von 15  
Page 15 of 15

## VIII. Specifications and Features

### **Transmitter:**

Omnidirectional Effective transmitting range: up to 91.5 M (300 ft)\*  
3 selectable broadcast frequencies (between 912.5 and 914.5 MHz)  
Line audio input with 3.5mm stereo mini plug  
(1/4" headphone adapter and "Y" cable included)  
UL-listed AC power adapter

### **Speakers:**

Push-button, auto-lock tuning  
10 Watts per channel RMS (each speaker)  
Two-way acoustic suspension design  
1" dome tweeter; 4" woofer  
Integrated power/tuning/volume control (front face)  
Left/mono/right switch (rear face)  
Frequency response: 20Hz - 20kHz  
Signal-to-noise ratio > 55dB  
Stereo separation > 20dB  
Distortion: < 1.5%

\*Maximum range; results may vary according to environment.

Changes or modifications not expressly approved by the party responsible for compliance could void the users authority to operate the equipment.

This device complies with part 15 of the FCC rules. Operation is subject to the following two conditions: 1) This device may not cause harmful interference and 2) This device must accept any interference received, including interference that may cause undesired operation.