

# ATOMIC

## Quick Set-Up Guide

*RF-9366-01S (900MHz)*

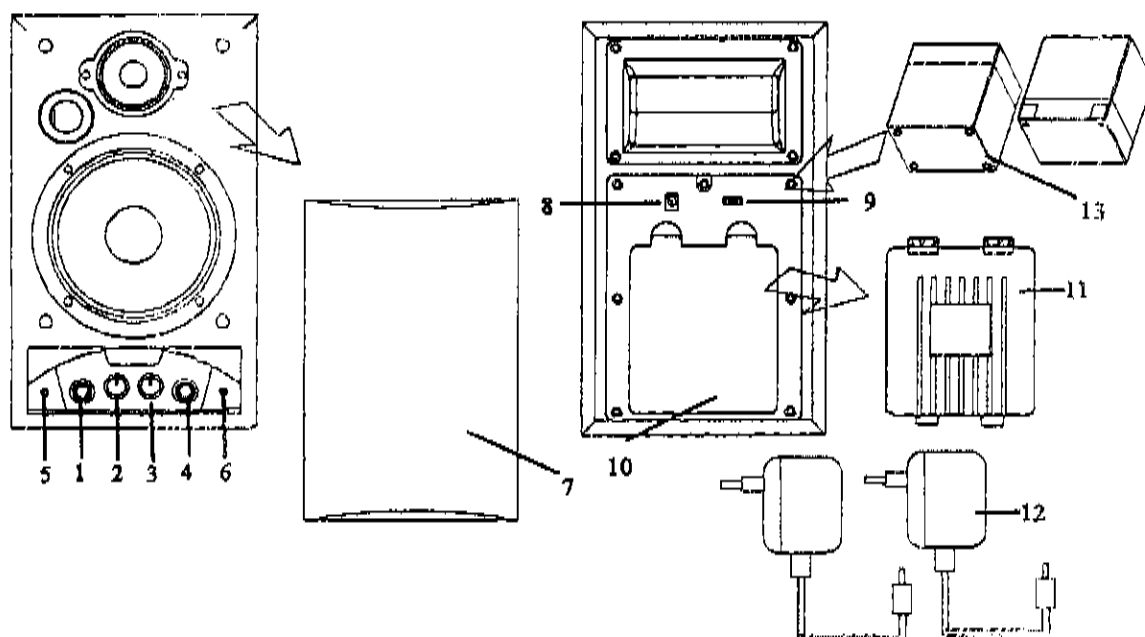
*(Thomson: WSP250)*

*PLL Wooden Speakers*

Congratulations on the purchase of **RF-9366-01S (900MHz) Stereo RF Wireless Wooden Speakers** to enjoy the revolutionary technology of **Phase Lock Loop (PLL)**! Please check the supplied component against the following list:

- 2 x Wooden Speakers
- 1 x Transmitter
- 1 x Power Supply (AC/DC 12V 200mA adaptor for transmitter)
- 2 x Power Supply (AC/DC 13V 1.5A adaptor for speakers)
- 1 x 3.5mm Stereo Audio Cord (1.5m)
- 1 x 3.5mm Y-connection Cord (90mm)

## **FUNCTION KEYS: SPEAKERS**



- (1) Power ON/OFF Button
- (2) Volume Control Button
- (3) Bass Control Button
- (4) Channel Button
- (5) Recharging LED Indicator
- (6) 3 Channel Color LED Indicator
- (7) Textile Speaker Cover
- (8) DC IN Socket
- (9) R/R+L/L Mode Button
- (10) Battery Compartment
- (11) Battery Cover
- (12) AC/DC 13V 1.5A adaptor
- (13) Rechargeable Sealed Lead-Acid Batteries (Optional)

## TRANSMITTER

### *Transmitter Upper Surface:*

(14) Power LED Indicator

### *Transmitter Bottom:*

(15) Channel CH1/CH2/CH3 Switch

### *Transmitter Rear Side:*

(16) Audio IN Socket

(17) DC IN Socket

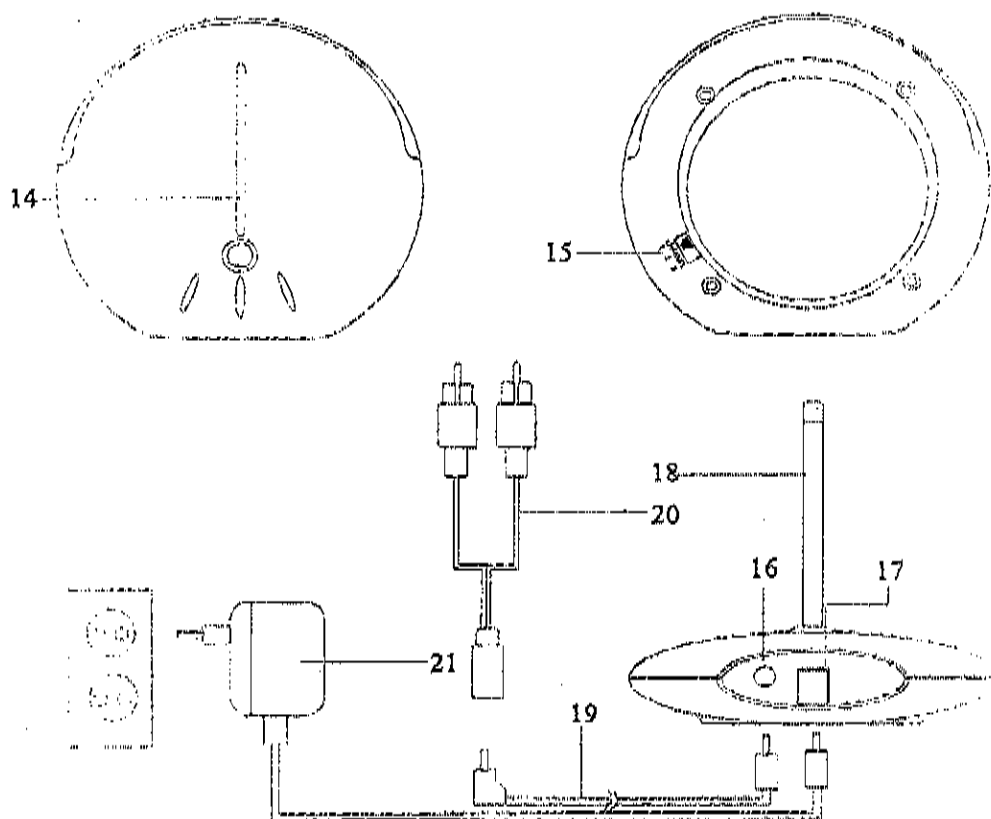
(18) Antenna

## ACCESSORIES

(19) 3.5mm Stereo Audio Cord (1.5m)

(20) 3.5mm Y-connection Cord (90mm)

(21) AC/DC 12V 200mA adaptor



## INSTALLATION

Please follow this quick set-up guide to ensure trouble free installation of your Speakers.

### Step 1:

Fix the Antenna Cord into the Antenna Tube (18) at the top of the transmitter.

### Step 2:

Connect the 3.5mm Stereo Audio Cord (19) to the audio output socket (i.e. Phone/ Headphone 3.5mm socket) of your audio source, e.g. TV, HiFi, CD, DVD player etc.

*\*\*\* If your audio source has 2 RCA output sockets (red and white in color), use the 90mm Y-connection Cord (20) for connection, if necessary.*

### Step 3:

Connect the other end of the 3.5mm Stereo Audio Cord (19) to the Audio IN Socket (16) at the rear side of the transmitter.

### Step 4:

Connect one end of the AC/DC 12V 200mA adaptor (21) to the DC IN Socket (17) at the rear side of the transmitter, and the other end to the main electric wall outlet.

### Step 5:

The transmitter will be automatically ON when there is audio signal from the audio source (please make sure that the transmitter is powered ON by the AC/DC adaptor in Step 4). Then the Power LED Indicator (14) will glow RED to confirm that the transmitter is ready for operation. Place the transmitter on a dry, cool place preferably above head level.

*\*\*\* The transmitter has auto-cut-off function. When there is no audio signal for a prolonged period, the power of the transmitter will be automatically cut off.*

### Step 6:

Connect the end of AC/DC 13V 1.5A adaptors (12) to DC IN Socket (8) at the rear side of each speaker, and the other end to the main electric wall outlet.

Or insert the Rechargeable Sealed Lead-Acid Battery(Optional) (13) into the Battery Compartment (10) of each speaker by removing the Battery Cover (11).

### Step 7:

Switch on your music device (TV, HiFi, CD, DVD etc.) and start your media playing.

### **Step 8:**

Switch ON (1) the speakers, it will automatically match the channel selected in the transmitter, and the 3 Channel Color LED Indicator (6) shows the pre-set color. Then you can hear a good quality sound. Adjust the Volume Control Button (2), Bass Control Button (3) and R/R+L/L Mode Button (9) to a comfortable sound level.

## **CHANNEL SELECTION**

There are 3 channels altogether for the PLL Wooden Speakers. At the bottom of the transmitter, there is a Channel CH1/CH2/CH3 Switch (15). After you have selected a channel, the frequency will be memorized if the speakers are continuously connected with electricity. The last memory will be retained when you power on the speaker again. If you change a channel, you just need to press the Channel Button (4) in the front of Speakers. The 3 colors of 3 Channel Color LED Indicator (6) represent 3 different channels respectively.

| Color  | Frequency  | Channel |
|--------|------------|---------|
| Orange | 911.650MHz | CH1     |
| Green  | 912.925MHz | CH2     |
| Red    | 913.900MHz | CH3     |

The 3 different channels are auto-locked by the latest PLL technology, enable you to enjoy the great sound quality in high stability.

## **RECHARGING THE SPEAKERS**

***\*\*\* Recharging is only available for the Speakers System with the Rechargeable Sealed Lead-acid Batteries.***

### **Step 1:**

Insert the Rechargeable Sealed Lead-Acid Batteries (13) into the Battery Compartment (10) of each speaker.

***\*\*\*The batteries should be fully charged at least 24 hours.***

### **Step 2:**

Switch OFF (1) the Speakers.

### **Step 3:**

Connect the end of AC/DC 13V 1.5A adaptors (12) into DC IN Socket (8) at the rear side of each speaker, and the other end to the main electric wall outlet. The Recharging LED Indicator (5) will glow RED to show that the speaker is being charged.

When the batteries are full, recharging will stop automatically, and the Recharging LED Indicator (5) will turn off.

***\*\*\* Recharging procedure should never exceed 48 hours.***

## **TROUBLE SHOOTING GUIDE**

If you encounter any trouble in setting up the Speakers, please check the following points:

### **(1) Distorted sound quality or unclear sound:**

- ~ Check if the sound of your audio source is distorted and whether the volume control is tuned to the suitable level.
- ~ Make sure that your audio sources, the transmitter and speakers are properly connected, powered and switched ON.
- ~ Check if you have selected the best channel, press the Channel Button (4) to check.

### **(2) No Sound from the speakers:**

- ~ Check if the AC/DC 13V 1.5A adaptors are connected properly and the speakers are switched ON.
- ~ If choose to use the Rechargeable Sealed Lead-Acid batteries, check whether batteries have sufficient power.
- ~ Check if the transmitter is properly connected and powered ON with the AC/DC 12V 200mA adaptor (the Power LED Indicator (14) should glow RED).
- ~ Check if all connection cords are properly connected.
- ~ Check if the distance between the speakers and transmitter are within the effective range. (The effective range of the device is approx. 80M in open area.) Place the speakers closer to the transmitter.

### **(3) Mono Sound:**

- ~ Check if the audio source is mono only, use stereo audio source.

### **Step 3:-**

Connect the end of AC/DC 13V 1.5A adaptors (12) into DC IN Socket (8) at the rear side of each speaker, and the other end to the main electric wall outlet. The Recharging LED Indicator (5) will glow RED to show that the speaker is being charged.

When the batteries are full, recharging will stop automatically, and the Recharging LED Indicator (5) will turn off.

**\*\*\* Recharging procedure should never exceed 48 hours.**

## **TROUBLE SHOOTING GUIDE**

If you encounter any trouble in setting up the Speakers, please check the following points:

### **(1) Distorted sound quality or unclear sound:**

- ~ Check if the sound of your audio source is distorted and whether the volume control is tuned to the suitable level.
- ~ Make sure that your audio sources, the transmitter and speakers are properly connected, powered and switched ON.
- ~ Check if you have selected the best channel, press the Channel Button (4) to check.

### **(2) No Sound from the speakers:**

- ~ Check if the AC/DC 13V 1.5A adaptors are connected properly and the speakers are switched ON.
- ~ If choose to use the Rechargeable Sealed Lead-Acid batteries, check whether batteries have sufficient power.
- ~ Check if the transmitter is properly connected and powered ON with the AC/DC 12V 200mA adaptor (the Power LED Indicator (14) should glow RED).
- ~ Check if all connection cords are properly connected.
- ~ Check if the distance between the speakers and transmitter are within the effective range. (The effective range of the device is approx. 80M in open area.) Place the speakers closer to the transmitter.

### **(3) Mono Sound:**

- ~ Check if the audio source is mono only, use stereo audio source.

### **(4) Interference:**

- ~ At the bottom of the transmitter, there is Channel CH1/CH2/CH3 Switch (15), select a different channel and press the Channel Button (4) once. The 3 Channel Color LED Indicator (6) will show the pre-set color, and channel is properly switched.

#### **(5) Last Memory Retain:**

- ~ If your speakers system is continuously connected with electricity, the last memory on the channel will be retained after you have switched off the speakers. If you have cut and reconnected the electricity, the speakers will automatically search the channel when you power on again. The 3 Channel Color LED Indicator (6) will show the pre-set color.

#### **(6) Power auto-cut-off:**

- ~ The transmitter has auto-cut-off function. When there is no audio signal for a prolonged period, the power of the transmitter will be automatically cut off. You just need to switch on the audio sources again and press the Channel Button (4), if necessary, until the 3 Channel Color LED Indicator (6) show the pre-set color. Then you can listen the good quality sound again.

***Warning: Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.***

***NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.***

***However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures.***

- ***Reorient or relocate the receiving antenna.***
- ***Increase the separation between the equipment and receiver.***
- ***Connect the equipment in to an outlet on a circuit different from that to which the receiver is needed.***
- ***Consult the dealer or an experienced radio/TV technician for help.***

**If you still have problem after checking the above points, please contact your customer service. Do not try to loosen the screws of the products to fix the problem.**

***All the above are subject to our final change without further notice.***

***Copyright by Atom Industrial Ltd, 2001***

## SPECIFICATIONS

|                                 |                                                                                                                                                                                                                                                         |
|---------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Model</b>                    | RF9366-01S (900MHz)                                                                                                                                                                                                                                     |
| <b>Description</b>              | Radio Frequency (UHF) Transmission<br>PLL Stereo RF Wireless Wooden Speakers System<br>(Phase Lock Loop (PLL)/ Power Auto Cut-Off/ Auto Level<br>Control (ALC)/ Muting Function/ Bass Control/<br>Rechargeable function/ 3 Channel Color LED Indicator) |
| <b><u>Transmitter</u></b>       |                                                                                                                                                                                                                                                         |
| <b>No. of Channel</b>           | 3                                                                                                                                                                                                                                                       |
| <b>Carrier Frequency</b>        | Channel 1: 911.650MHz<br>Channel 2: 912.925MHz<br>Channel 3: 913.900MHz                                                                                                                                                                                 |
| <b>Effective Range</b>          | 80 meters                                                                                                                                                                                                                                               |
| <b>Power Supply</b>             | AC/DC 12V 200mA adaptor                                                                                                                                                                                                                                 |
| <b><u>Speakers</u></b>          |                                                                                                                                                                                                                                                         |
| <b>Frequency Response</b>       | 20 – 20,000Hz                                                                                                                                                                                                                                           |
| <b>Amplifier Power Rating</b>   | 8 Watts RMS x 2                                                                                                                                                                                                                                         |
| <b>Signal to Noise Ratio</b>    | 50dB                                                                                                                                                                                                                                                    |
| <b>Distortion</b>               | < 1 %                                                                                                                                                                                                                                                   |
| <b>Auto Noise Mute Function</b> | Standard                                                                                                                                                                                                                                                |
| <b>Power Supply</b>             | AC/DC 13V 1.5A adaptors OR<br>Rechargeable Sealed Lead-Acid Batteries (Optional)                                                                                                                                                                        |
| <b>System Included</b>          | 1 x Transmitter<br>2 x Speakers<br>1 x AC/DC 12V 200mA adaptor for transmitter<br>2 x AC/DC 13V 1.5A adaptor for speakers<br>1 x 3.5mm Stereo Audio Cord (1.5m)<br>1 x 3.5mm Y-connection Cord (90mm)                                                   |