

# Owner's Manual

## Solar wireless speaker system (G1A8001T)

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**NOTE: Please read before using this equipment.**

# **Golden Sun Solar Technic Co., Ltd D.**

## **Warnings**

- ⌚ To avoid electric shock, do not handle the transmitter base or AC adapters with wet hands.
- ⌚ Do not drop, shock or apply pressure to the unit. This may cause permanent damage to the component of the product.
- ⌚ Do not use attachments not recommended by the manufacturer.
- ⌚ Do not attempt to repair or modify this unit.
- ⌚ Do not place the unit in extremely high and low temperatures.
- ⌚ Do not tamper with any of the components of the unit.

## **Attachments**

These are the components that are included with your product:

- (1) Speaker Receivers
- (2) Wireless Transmitter
- (3) Audio communicator
- (4) 2 power adapter (smaller one for the transmitter, larger one for speaker receivers)
- (5) Remote control w/ 2 batteries (AAA)
- (6) User Manual

## **Introduction**

The Speaker Receivers can obtain power from two separate sources, sunlight (solar energy) and regular electric power (AC-DC adapter). These wireless speakers features robust weatherproof housing so you have the flexibility to enjoy your music system anywhere outside your home — on your deck or porch, in the yard, around the pool, driveway, or any other outdoor environments. This hybrid system of power allows the user to use the speaker in places where conventional power sources cannot be obtained. As long as the user has access to sunlight, the speaker can be used. The user can enjoy the freedom of movement because this product gives them the ability to choose where they want to use it. The transmitter sends 912 MHz/913MHz audio signals through walls and floors to the speakers, wherever they are placed — up to 150 feet away. The transmitter system scans for these signals to ensure an interference-free signal — for optimal clarity. With the remote control, you are allowed to relax and enjoy clear sound from the comfort of your seat. You can adjust the volume by using the wireless remote control that is included with this unit. This product promotes environmental awareness and the use of alternative energy sources.

## **How Solar Energy works?**

During the day, the solar panel will convert solar power from the sun into a useable form to recharge special solar battery. How long the batteries will last depends on the placement of your product, weather conditions and seasonal light availability. PLEASE CHARGE THE SOLAR PRODUCT FOR ONE FULL DAY BEFORE FIRST USE. (Either by Sunlight or DC power)

### **Choosing and Ideal Location**

Choose an outdoor location with full, direct sunshine where the SOLAR panel will be able to receive at least 6 hours of sunlight each day. Shady locations will influence the charging of the batteries. Shorter exposures to sunlight will reduce the amount of charging time for the batteries by sunlight and the working time of the receiver/speaker. You can also charge the receiver/speaker outdoors during the daytime and take in back indoors for use.

### **Features**

- ⦿ Solar power supply (Green power)
- ⦿ RF transmitter base and speaker receivers.
- ⦿ RF transmission travels freely through walls, floors, and other solid objects.
- ⦿ High-quality, interference-free sound.
- ⦿ Operating distance up to 150 feet.
- ⦿ Remote control unit.
- ⦿ Two ways power supply (Plug in power and Solar Power).
- ⦿ Rechargeable solar batteries inside.
- ⦿ Selectable Two audio channels.
- ⦿ Hybrid Charging system.
- ⦿ Smart Energy Conserving Unit.

### **Specifications**

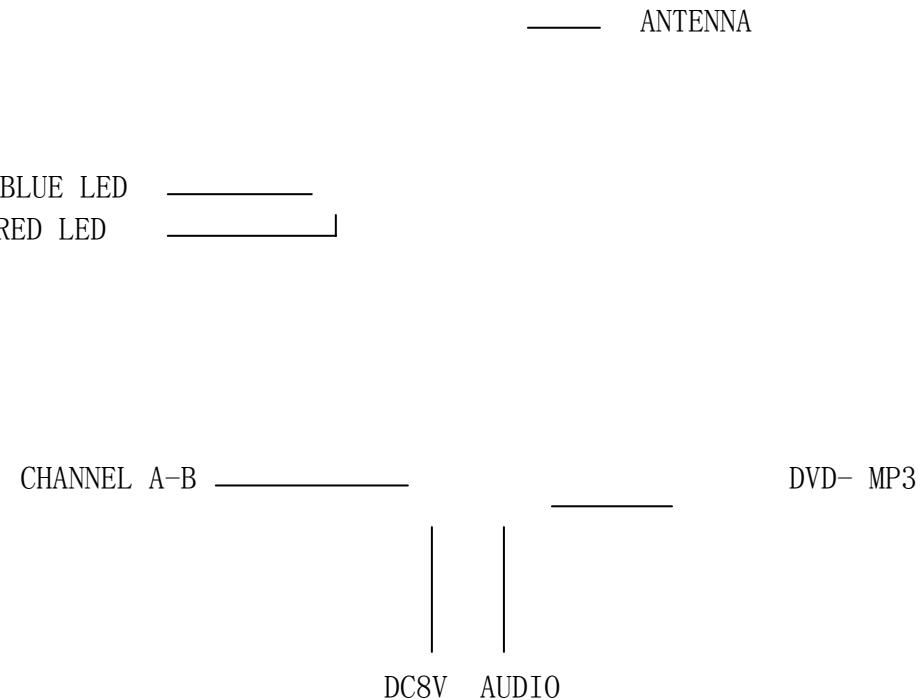
- ⦿ Transmission Mode: UHF
- ⦿ Carrier Frequency: 912MHz/913MHz
- ⦿ Output power: 5 Watts. (RMS)
- ⦿ S/N Radio: 70dB (typical)
- ⦿ Frequency Response: 20Hz—16KHz

- ⦿ Distortion: 1.5%
- ⦿ Operation Distance: Up to 150 feet
- ⦿ Work with batteries (new/recharged): over 4 hours

## Operation voltage

- ⦿ Transmitter: 8v, 200mA. (Solar batteries optional)
- ⦿ Speaker/Receiver: 15v, 800mA (DC IN). (7 AA, 1200mAh solar batteries inside)
- ⦿ Remote control unit: 2\*AAA batteries. (Solar batteries optional)

## Transmitter operation



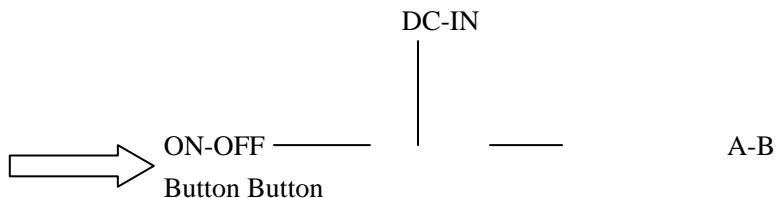
1. Plug AC-DC adapter into the base of the transmitter unit marked (AC-DC), use the smaller adapter made for the transmitter unit. Once completed the red light will turn on. This will indicate that the wireless transmitter is activated.
2. Connect sources to the base using appropriate cable and wires to the wireless transmitter on the rear of the base unit. Please ensure that the cables and wires conform to industry standard. This will provide the transmitter with a source to send to the speaker units.
3. If transmitter unit is connected to a DVD player, TV set, VCD player,

CD Player, please set the source switch to “DVD” .

If transmitter is connected with an MP3 player, MP4 player, a portable CD player; please set the source switch to “MP3” .

4. The transmitter and receivers both have a switch marked, A-B, this switch must be set to the same letter. Such as A--A, or B--B. This allows for the transmitter and receiver to communicate with each other.
5. When the transmitter receives music or sound source, the blue LED light will turn on. This light will remain on as long as the unit receives a source and will turn off when there is not audio signal for more than 2 minutes.

#### **Speaker Receivers operation**



1. 7 AA NI-MH batteries (solar batteries) are included and preinstalled in the receiver. It is recommended that the receiver be charged for at least 8 hours before preliminary use. This is to ensure that the receiver/speaker has enough energy to operate.
2. Turn on the power (button inside), a blue LED light will turn on. This light will turn off automatically when it does not receive any audio signal for more than 10 seconds.
3. UNDERSTANDING THE LIGHT SIGNALS:

Blue LED light on (solid) : WORKING MODE.

Red LED light on (solid) : STANDBY MODE.

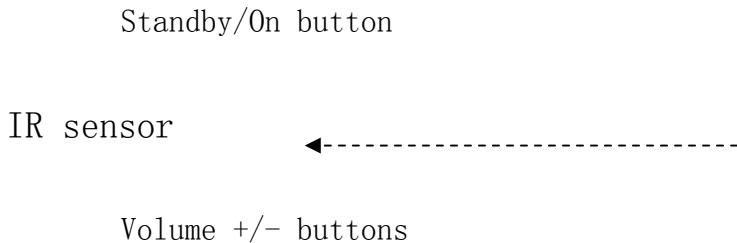
Red LED light on (flashing) : LOW POWER/RECHARGE NEEDED

4. Changing the volume can be done by using the remote control that is included with the product.
5. If the Red LED light is flashing, the remote cannot be used to wake up system. The system will require charging by either Solar Energy or the conventional plug in source as the power of the receiver/speaker has

been depleted.

6. The receiver/ speaker can be recharged using both sunlight or the DC adapter (larger one). When using the DC adapter, simply plug the adapter end into the speaker unit and then plug prong end into a wall plug. The system requires 8-10 hours of recharge time. It is recommended that this charging time be observed when charging either by sunlight or when using the DC adapter. The receiver/speaker can be used even when it is being recharged.
7. When charging the receiver/speaker using sunlight be sure to place the unit in the direct path of sunlight. Make sure to place the unit where there is proper exposure of sunlight to the solar panel on the top of the unit. Be sure also to clear the top of the solar panel to make sure that enough sunlight reaches the solar panel on the unit.

## **Remote control**



The remote control can be used to operate the receiver/speaker. It can be used to turn on the receiver/speaker and to adjust its volume functions.

To operate the speakers using the remote control, turn the remote over and open the battery compartment cover located underneath.

Insert 2 AAA alkaline batteries (purchase separately) into the battery compartment, observing proper +/- polarities as indicated.

Once the batteries are in the remote control, then you can use the remote control to turn on the receiver/speaker or the volume.

To turn the receiver/speaker- ON /OFF, simply press the standby /ON switch on the remote. (observe the receiver/speaker to ensure that the BLUE LED

light is on.

To adjust the volume, simply press the (+) button to increase the sound volume or press the (-) button to decrease the sound volume.

Replacing batteries on the remote control:

When trying to replace the batteries on the remote control, simply remove the cover to the battery compartment using the appropriate screwdriver. Remove the batteries and replace them with fresh batteries. Remember to observe the proper +/- polarities as indicated.

The Standby/On button on the remote control does not function as the primary power switch for the speakers. Power must first be switched on at the receiver/speakers before the remote control can control the on/off functions of the receiver/speaker. So before using the remote control on the receiver/speaker ensure that the Power switch is turned to the “ON” position. Once the power switch on the receiver/speaker is set on the “ON” position, you may use the remote control to turn the receiver unit “ON” or “STAND BY”, and to control the VOLUME.

## **Battery precautions**

1. Only use specified batteries or equivalent replacements with this unit.
2. Never attempt to recharge conventional dry cell batteries.
3. Batteries may leak or explode if recharged incorrectly, inserted improperly, disposed of in fire.
4. When installing the batteries, observe proper +/- polarities. Batteries positioned incorrectly may leak and cause damage to the unit.
5. If the unit is not being for an extended amount of time, remove the batteries to prevent damage or injury due to possible battery leakage.

## **Replace the batteries**

1. When the batteries were recharged over 1000 times, you must replace the batteries.
2. Replace the batteries with fresh, new NI-MH batteries with proper specifications matched to this system.

1. Press and turn-on the covers, take out 7 AA batteries.
2. Observe proper +/- polarities.

## **Troubleshooting**

### **I DON' T HEAR ANY SOUND?**

1. Check that the power adapters or batteries are connected properly and that the power is “ON” on both the transmitter and the receiver/speaker.
2. Make sure the control knob on the speaker is ON. LOOK FOR THE BLUE LED.
3. Ensure the TV or audio component is on and that the unit is receiving an adequate audio signal. Check that the BLUE LED light is on, on the transmitter.
4. Make sure that all wires and cables are connected properly and in the right slots on the back of the transmitter.
6. The volume control knob may be set too low. Adjust the volume if required.
7. If the blue light on the transmitter is not on, adjust the volume from sound source.
8. Make sure that the channel switch on both the receiver/speaker and the transmitter are matching. Such as A on the transmitter and A on the receiver, or B on the transmitter and B on the receiver as well.
9. Ensure that receiver/speaker has adequate power, either plug the receiver unit into a wall plug using the adapter or place the unit outside in the sunlight to recharge its batteries.

### **I HEAR DISTORTED AND UNCLEAR SOUND?**

1. Ensure the transmitter and receiver/speakers has the BLUE LED light ON. If not, adjust the tuning controls for each until the light is “ON” on both the transmitter and receiver units.
2. Ensure the transmitter and speakers are set on the same frequency. If not, set the switch A-B in the same place. Such as A on the transmitter and A on the receiver, or B on the transmitter and B on the receiver as well.
3. The speaker may be too far from the transmitter to receive a strong signal. Move the speaker/receiver closer to the transmitter to ensure adequate audio signal being transmitted to the receiver.
4. The input level of the audio signal may be too low. Turn up the volume level of the audio source.

### **MY SPEAKER IS FLASHING RED, EVEN WHEN I CHARGED THE UNIT?**

1. Plug the receiver/speaker into a wall plug using the DC adapter for 8 hours to ensure that the batteries are fully charged properly.
2. If not plugged into a wall unit. Make sure that you are placing the receiver/speaker unit in an area where there is enough direct sunlight (6 - 8 hours).

## **FCC Notice**

**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.**

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

Due to continuing improvements, actual product may differ slightly from the product described herein.