

# MAGNASONIC®

**User's Manual**  
Bluetooth® Music Receiver (BA21)



[www.magnasonic.com](http://www.magnasonic.com)

## Content

■ Before use.....	1
1. About BA21.....	1
2. System requirements.....	1
3. Overview of BA21.....	1
■ Getting started.....	2
1. Charging the receiver.....	2
2. Turning on/off the receiver.....	2
3. Pairing with Bluetooth devices.....	3
1)How to enter pairing mode .....	3
2)Pairing receiver with Bluetooth cell phone.....	3
3)Pairing receiver with Bluetooth transmitter.....	4
4. Playing music .....	4
5. LED indicator.....	5
■ Care and maintenance.....	6
■ FAQs.....	6
■ Specifications.....	7

Welcome to use this Bluetooth stereo receiver BA21. Please read this user's manual carefully before use.

## ■ Before use

### 1. About BA21

BA21 is a stereo Bluetooth receiver. You can use a common audio device with 3.5mm audio jack for playing any stereo Bluetooth-enabled device's music after plugging in BA21.

### 2. System requirements

- ◆ Audio device with 3.5mm audio input jack, such as speakers, radios etc .
- ◆ Bluetooth transmitter supporting A2DP profile, such as Bluetooth mobile phones, Bluetooth transmitter etc.

### 3. Overview



1	3.5mm audio input jack	3	MFB button
2	LED indicator	4	Micro USB charging jack

## ■ Getting started

### 1. Charging the receiver

BA21 comes with a built-in rechargeable battery, prior to using it, it is recommended to charge the battery fully for the first time. When the receiver emits a string of warning tones every 1 minutes and the red LED flashes. It means battery low. Please recharge the battery fully.

- 1) Plug the USB charging cable into the charging jack of PC or charger.
- 2) Plug the end of USB charging cable into charging port of transmitter.

**RED light on→Charging**

**RED light off→Finished charging**

- 3) It will take about 2 hours to finish charging.



#### **Warning:**

The battery is recyclable.

Batteries (battery pack or batteries installed) shall not be exposed to excessive heat place, such as sunshine, fire or the like.

DC 5V



#### **Remarks:**

- ◆ Please don't push the 3.5 mm plug into the cable slot directly when you reel the audio line.
- ◆ Please don't pull the 3.5mm plug out from the cable slot directly when you take out the audio line.
- ◆ The audio line should be push in or pull out by sliding as above shown to avoid the damage of the cable slot.

### 2. Turning on/off the receiver

Function	Operation	LED indicator	Prompt tone
Turning on	Press and hold MFB button for 3~4 seconds	White LED is on for 1 second	Power on
Turning off	Press and hold MFB button for 3~4 seconds	Red LED is on for 1 second	Power off

### 3. Pairing with Bluetooth devices

#### 1) How to enter pairing mode

Function	Operation	LED indicator	Indication tone
Entering pairing mode	Ensure the receiver is turned off, otherwise turn it off first and then press and hold MFB button for 6~7 seconds .	White LED is on for 1 second and off for 1 second.	pairing

**Remark:** The pairing mode will last 2 minutes, the receiver will switch to standby mode automatically if no devices can be connected over 2 minutes.

#### 2) Pairing with Bluetooth cell phone

Prior to using the BA21 for the first time, you have to pair it with a Bluetooth-enabled cell phone. The general pairing procedures are as follows:

- 1) Place the BA21 and Bluetooth cell phone where they are easily viewable by no more than 1 meter;
- 2) Make the receiver enter pairing mode (please refer to “How to enter pairing mode”);
- 3) Activate your cell phone’s Bluetooth function and set your cell phone to search for Bluetooth devices within range, and select “BA21” from the list of devices shown. After successful connecting, white LED of receiver flashes twice every 4 seconds.

#### Remarks:

- ◆ After successful pairing, the BA21 and the mobile phone will remember each other, they will no need to re-pair next time. Every time the receiver is turned on, it will connect to the last connected devices automatically.
- ◆ Every time the receiver is turned on, and if it doesn’t connect to any devices, short press MFB button once, the receiver will connect to the last connected device.
- ◆ When the receiver and the mobile phone are out of effective range to disconnected, they can connect to each other automatically once going back to effective range.

### 3)Pairing with Bluetooth transmitter

You can connect the receiver with a Bluetooth transmitter to enjoy music wirelessly. Hereby take BTT005 (Bluetooth transmitter, not included in accessories) for example. The pairing procedures are as follows:

- 1) Keep the receiver and transmitter within 1 meter when pairing;
- 2) Make the receiver enter pairing mode (Please refer to “How to enter pairing mode”);
- 3) Turn on the Bluetooth transmitter and make it enter pairing mode. It will search for Bluetooth devices automatically and send a pairing request. After successful pairing and connecting, white LED of the receiver flashes twice every 4 seconds.



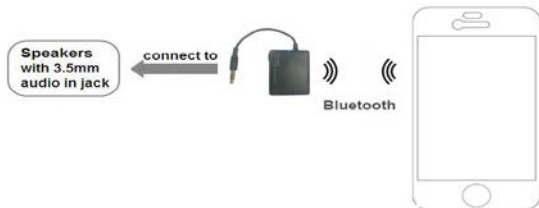
### Remarks:

- ◆ The pairing password of the receiver is “0000”. So, the receiver can only pair with a Bluetooth transmitter whose pairing password is “0000”.
- ◆ If pairing still fails after several tries, please refer to the Bluetooth transmitter’s user’s manual for further information.

### 4. Playing music

Connect BA21 with Bluetooth device and plug the 3.5mm audio cable of BA21 into Bluetooth audio device to listen music wirelessly.

Function	Status of BA21	Operation
Pause	Playing music	Short press MFB button once
Play	Pausing	Short press MFB button once



### Remarks:

- ◆ The music will automatically pause when you dial a phone number or there is an incoming call.
- ◆ BA21 doesn't have a microphone, so you need to switch the call to the mobile phone. The music will automatically play when the call is ended.

### 5. LED indicator

LED indicator	Status of BA21
White LED is on for 1 second and off for 1 second	Pairing mode
White LED flashes once every 2 seconds	Not connected with device
White LED flashes twice quickly every 4 seconds	Connected with device
Red LED flashes instead of white LED	Low battery

## ■ Care and maintenance

Read the following recommendations carefully before using BA21. Following these you will be able to enjoy this product for many years.

- ◆ Keep it dry and don't put it in the dump place to avoid the product's internal circuit being affected.
- ◆ Keep the product away from direct sunlight or hot places. High temperatures will shorten the life of electronic devices, destroy the battery or distort certain plastic part.
- ◆ Don't expose the product to cold areas. It may damage the internal circuit board.
- ◆ Don't try to disassemble the product as it may get damaged if you are not professional.
- ◆ Don't let it fall down onto the floor or other hard surfaces. The internal circuit might get damaged.
- ◆ Don't use intensive chemical products or detergent to clean the product.
- ◆ Don't scratch the surface with sharp things. It may get damaged by sweat.
- ◆ Please don't attempt to take out the battery from the receiver, as this might damage it.

In case the receiver doesn't function properly, send it to the store you bought it. The staff will help you to solve the problem.

## ■ FAQs

### 1. What to do when BA21 can't be turned on?

- a) Please charge the BA21.
- b) The battery will enter the resting mode if the BA21 hasn't been use for a long time. Then the red LED will on after charging for 30 minutes.

### 2. What to do when BA21 can't pair and connect to a Bluetooth device?

- a) Make sure the Bluetooth device is placed within 5 meters;
- b) Ensure BA21 has entered pairing mode.

### 3. What to do when BA21 can't be turned off?

Please charge the BA21 for about 2 seconds.



## ■ Specifications

<b>Bluetooth version</b>	Bluetooth V3.0
<b>Bluetooth profiles</b>	A2DP and AVRCP
<b>Bluetooth frequency range</b>	2.402GHz-2.480GHz
<b>Operating distance</b>	About 10 meters
<b>Charging input voltage</b>	DC 5V
<b>Working time</b>	About 8 hours
<b>Charging time</b>	About 2 hours
<b>Dimension</b>	45*33*8mm
<b>Weight</b>	14g