

Aston Innovations

A3031

(Wireless HD Stereo Audio Receiver)

Owner's Manual

Thank you so much for choosing Aston Innovations's products

## 1. Product Description

This is a Wireless HD audio receiver, Which supported aptX HD and AAC high end audio codec to ensure quality sound, Also built-in high quality microphone and high performance noise isolator, And can be installed in your car or home audio system to achieve high quality bluetooth music playback and bluetooth hands-free function.

### **Applications (AUX or RCA input needed):**

- Home Stereo / Car Stereo / Speaker / Echo Dot and more
- Hands-free Calls for Car / SUV / MPV / Truck / Van / Boats and more



## 2. How to Use

- a) Plug in power to USB C
- b) Connect Aux cable/RCA cable to external device (Home Stereo/Speaker/Car)
- c) The audio input source of Home Stereo/Speaker/Car media system switch to “AUX IN/RCA IN” mode
- d) Enable bluetooth and enter bluetooth submenu to searching/add devices on your smartphone
- e) Click to pairing and connect the “A3031(A3021)” on smart phone
- f) Then you can try wireless music streaming on smart phone/devices

## 3. How to Get Best Audio Quality for **Home Stereo/Speaker**

- a) During music play mode, Adjust volume of smart phone/device to Max
- b) Then adjust external volume of Speaker/Home Stereo to right level that you like

## 4. How to Get Best Audio Quality for **Car** (Need Handsfree Calls)

- a) Reduce the volume of car media system first, for example volume level 12
- b) Make a Bluetooth handsfree call, and then adjust volume of smartphone to Max
- c) Then adjust volume of car media system to right level that you like
- d) And then for music play mode, no need adjust the volume of car media system, during music play mode, Only need adjust volume of smartphone to right level that you like
- e) And for voice assistant mode, no need adjust the volume of car media system, during voice assistant mode, Only need adjust volume of smartphone to right level that you like

### Note:

- ❖ The A3031(A3021) already built-in noise isolator module to remove the hum/static/buzzing noise and keep original audio quality
- ❖ The audio quality will be reduced if you add an extra ground loop noise isolator, that caused by extra ground loop noise isolator not so good (will cut a lot of low frequency of audio signal)

## 5. MFB (Multi-Function Button) Controls

<p><b>Pairing Device</b></p> <ul style="list-style-type: none"><li>• Press and hold for 3 seconds to enter Bluetooth pairing mode</li><li>• Bluetooth device name: A3031(A3021)</li></ul> <p><b>Bluetooth Connection</b></p> <ul style="list-style-type: none"><li>• Press to connect paired bluetooth device if it's not auto connected</li></ul> <p><b>Play Music</b></p> <ul style="list-style-type: none"><li>• Play/Pause: click</li><li>• Next track: double-click</li><li>• Previous track: triple click</li></ul> <p><b>Voice Assistant</b></p> <ul style="list-style-type: none"><li>• Press and hold 1 second to active voice assistant (Siri/Google)</li></ul>	<p><b>Hands-free Calls</b></p> <p>Answer/End Call</p> <ul style="list-style-type: none"><li>• Press to answer an incomming call or end the current call</li></ul> <p>Reject Call</p> <ul style="list-style-type: none"><li>• Press and hold 1 second to reject an incomming call</li></ul> <p>Transfer Call</p> <ul style="list-style-type: none"><li>• Press and hold 1 second to transfer current call to phone or bluetooth handsfree</li></ul> <p>Three Way Call</p> <ul style="list-style-type: none"><li>• Press to answer the new incomming call and end current call</li><li>• Press and hold 1 second to answer the new incomming call and hold current call</li></ul>
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- During bluetooth disconnected mode, Press and hold “MFB” button for 5 seconds to clear all paired devices and re-entering pairing mode

## 6. Technical Specifications

Parameters	Specifications
BT version	5.1
Radio frequency	2.402GHz - 2.480GHz
BT profiles	A2DP v1.3   AVRCP v1.6   HFP v1.7
Wireless range	33ft or 10m (indoor) / 165ft or 50m (outdoor straight)
Supported audio codecs	➤ aptX HD, aptX, aptX low latency, AAC, SBC (A3031) ➤ AAC, SBC (A3021)
Stereo audio output level	1 Vrms
Frequency response	20Hz - 20KHz (+/-0.5dB typ.)
Signal to noise ratio (SNR)	101 dBA typ.
THD+N ratio	0.0029% (20Hz - 20KHz) typ.
Channel Balance	<0.1dB (left vs right channel)
Crosstalk	>80dB
Power supply	USB C (DC5V Input)
Product size	1.53(L)*1.53(W)*0.46 inches(T)

## 7. What's in the box

- A3031 or A3021 x 1
- Owner's manual x 1
- USB A to USB C power cable (For A3031/A3021 ONLY) x 1
- 3.5mm male to 3.5mm male audio cable x 1
- 3.5mm female to 2 RCA (left/right channel) male cable x 1
- 3M double-sided adhesive pad x 1

Dear Customer

Have a great day.

Thank you so much for choosing Aston Innovations's products, We provide 12 months warranty for this product.

- Welcome to write product feedbacks and product reviews, and welcome to contact us if you need any helps.
- Thank you so much for recommending this product to your friends and families.

Sincerely  
*Aston Innovations*

FCC Warning:

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 into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Caution: Any changes or modifications to this device not explicitly approved by manufacturer could void your authority to operate this 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.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 0cm between the radiator and your body.