

# AEGO

## BT2

### OWNER'S MANUAL



# ((AE))

## ACOUSTIC ENERGY

## **INTRODUCTION**

Thank you for purchasing the Acoustic Energy BT2 Bluetooth loudspeaker. The BT2 is intended to combine our experience in the design and construction of exceptionally capable compact speaker systems with the flexibility and convenience of Bluetooth. The BT2 has been developed to the same stringent criteria that we have applied to every Acoustic Energy product and offers unrivaled sonic performance as a result.

This manual is intended to be a source of information about the speaker itself and the materials it is supplied with, offer some advice and hints about setting it up for the best possible performance and provide some suggestions in the unlikely event you experience any problems with the product. Please retain this document for future use.

## **CONTENTS OF PACKAGING**

The BT2 carton contains the following items:

- 1 BT2 Bluetooth speaker
- 1 mains adaptor
- 1 mains lead
- 1 aux cable (1m, 3.5mm jack - 3.5mm jack)
- 1 instruction manual

If any of these items are not present, it would be best to immediately contact your dealer.

## WHAT IS BLUETOOTH?

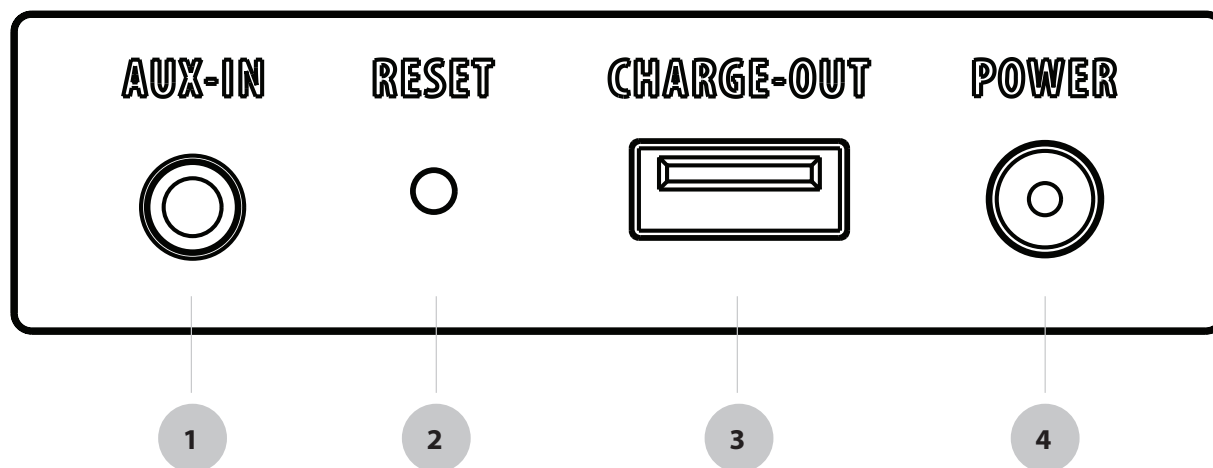
Bluetooth is an open communication standard that was originally developed to replace certain network cables. It has developed from there to become one of the most dynamic and flexible systems ever to be used by the audio industry. Bluetooth has developed over the last few years into a very capable method of delivering audio wirelessly and with the addition of the Apt-X encoding now has the ability to transmit lossless audio. Please note that Apt-X requires a compatible Apt-X capable partnering device.

As well as being a useful means of sending audio wirelessly, Bluetooth is a key component of being able to use devices hands free. To this end, the BT2 has been equipped with the ability to help you receive phone calls whilst your device is connected to it. We feel that the key to the enjoyment of our products is down to their accessibility and the BT2 has been designed with this in mind. There is no reason why superb audio performance cannot be accompanied by real world convenience.

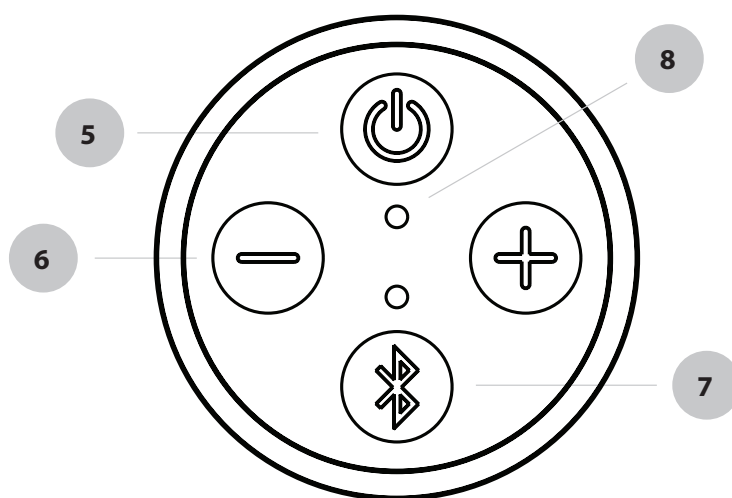
To help deliver this, the BT2 uses a pair of passive bass radiators at either end of the speaker to augment the bass response instead of a more conventional bass port. This means that the BT2 is completely self contained and unaffected by proximity to walls or the surfaces it is placed on. It also means that the BT2 is capable of producing deep, clean impactful bass despite its small size.

The BT2 is fitted with an internal battery that allows you to use it away from a source of mains power. The life of the battery will depend largely on how you use the BT2, with around twenty hours used at half volume via Bluetooth to over forty hours possible when used at low levels with the aux input. The charge time from flat is two hours and thirty minutes.

## REAR PANEL CONNECTIONS



## TOP PANEL CONTROLS



## REAR PANEL CONNECTIONS

### 1 AUX IN

As well as connecting to Bluetooth equipped devices, the BT2 can be used with any device that has a line level audio output such as an older MP3 player, television or PC. A 3.5mm - 3.5mm jack cable is supplied with the BT2 for this purpose but any analogue stereo connection can be used to supply a signal to the BT2 provided that you have a cable that terminates in a 3.5mm connection.

Aux is selected by the BT2 automatically when the 3.5mm connector is inserted; the lower status light will switch from blue to green to indicate the aux input is active. To manually switch back to Bluetooth simply press and release the Bluetooth button or disconnect the aux lead. To switch back to aux press and release the power button.

### 2 RESET

The reset button will return your BT2 to the condition it was in when it was first unpacked from the box. All previous paired devices will be forgotten as will any pairing with another BT2 speaker for stereo playback. The reset button has been deliberately recessed to avoid accidental depression. An object like an unbent paperclip will be able to reach the button and once pressed for a few seconds, the BT2 will reset. Bluetooth connections can be fully reset by depressing the Bluetooth button for four seconds until there is an audible beep.

### 3 CHARGE OUT

This is a USB-A connection that will provide a charge for a phone or tablet connected to it. The charge out will work with the BT2 running from mains and running from battery power if the charge level on the BT2 is over 20%. Once charge dips below this level, the output will be disabled to keep the BT2 running for as long as possible.

## **4 POWER INPUT**

This is the connection to attach the supplied mains power adapter to. Do not connect any mains adaptor that is not supplied with the Acoustic Energy BT2 as this risks damage.

## **TOP PANEL CONTROLS**

The BT2 is controlled via a four position button that incorporates two indicator lights to show the status of the unit at a given time.

## **5 POWER**

The power button controls the power state of the BT2. Press and release the button and the BT2 will power on and play a single tone to indicate it is switched on. If the BT2 is switched on, pressing and holding the power button for three seconds will power the BT2 off again and another tone will play to indicate this.

## **6 VOLUME - / +**

The left and right buttons control the volume level of the BT2 between minimum and maximum levels. When you are listening to the aux input of the BT2, these controls are the sole point of volume adjustment, if the level of the device connected is fixed. If the connected device also has a volume control, you should ensure this is set to maximum and that the volume is controlled on the BT2.

If you are connected to a Bluetooth device, the volume control will function differently depending on the device you have connected. If you connect an Apple device, the volume of the BT2 is wholly controlled by the volume of the connected device. Adjusting the volume on the Apple device will adjust the volume of the BT2 between minimum and maximum.

If you connect an Android, Windows Mobile or Blackberry device, the volume control will adjust when changed on the connected device but the volume cannot be raised past the point where it has been set by the volume buttons on the top panel. If you are routinely using a device that uses these operating systems, it will make sense to raise the volume on the BT2 to its maximum setting and then use the volume on the connected device to set the listening level.

## **7 BLUETOOTH**

The Bluetooth button will place the BT2 in pairing mode, ready to connect to a Bluetooth device. If you are turning the BT2 on for the first time, or since you have reset the speaker, it will automatically go into pairing mode and become visible to Bluetooth devices around it. If a device you have previously connected to is present, the BT2 will automatically try and pair with that. If you wish to disconnect the BT2 and connect a new device, press and hold the Bluetooth button for three seconds (the blue pairing light will flash). This will end the connection between the two devices and allow you to connect a new device to the BT2. Holding the Bluetooth button for longer than four seconds will reset all the Bluetooth connections.

## **8 STATUS LIGHTS**

The BT2 has two lights that indicate the status of the unit and convey useful information.

The top light beneath the power button is the power status indicator. This will shine a solid white colour when the BT2 is powered on and running on mains or with a battery reserve of over 20%. If the battery level is below 20%, the light will turn red (and the Charge Out socket will be disabled). If power drops below 5% the red light will start to flash.

The lower light shows the status of the BT2. If the Bluetooth input is selected but not connected, the light will flash blue. Once a connection has been made, the light will go a solid blue. When the aux input is selected, the light will turn green.

## **CONNECTING THE BT2 TO A BLUETOOTH DEVICE**

- Power the BT2 on and ensure the blue light is flashing; this will either happen automatically or after pressing and holding the Bluetooth button
- Go to the Bluetooth settings menu of your device. The BT2 should appear in the list of available devices. If it does not appear, you should refresh it
- Once connected, the BT2 will show a solid blue status light and all audio played on the device will be played on the BT2

## **TAKING A CALL ON THE BT2**

- Ensure your mobile phone is connected to the BT2 as above
- When the phone rings, either press and release the Bluetooth button on the BT2 or accept the call on your mobile to take the call. The microphone is next to the control pad at the top of the BT2
- To disconnect the call, either hang up on the connected device or press and release the Bluetooth button
- To reject the incoming call, press the Bluetooth button on the BT2 for a second and then release it, or reject the call on your mobile

## **CONNECTING TWO BT2S AS A STEREO PAIR**

- You will need two BT2s for this process. Ensure both BT2s are turned on and no more than three metres apart
- Connect to a BT2 via Bluetooth as normal
- On the connected unit press the up and down volume at the same time - you will hear a beep and the lower indicator light will flash white. Do this for both units
- The BT2s will now function as a stereo pair. The unit you paired your Bluetooth device to will function as the left channel with the second unit as the right
- Volume can still be controlled via the connected device but the response will be slightly slower



## SETUP AND PLACEMENT

We have worked hard to ensure that the BT2 is not adversely affected by being placed in different locations but there are some simple things you can do for the best sound.

- Place the BT2 at a level roughly equivalent to your seated ear height for the most effective performance
- The BT2 will sound better when placed on a solid surface
- You can alter the balance of the BT2 by placing it nearer walls or corners which will boost the bass response and “warmth” of the sound
- The decoding of the BT2 will respond positively to the quality of the material you send it. The better the quality, the better the sound you will enjoy

## WARRANTY

Your Acoustic Energy BT2 Bluetooth speaker is guaranteed against defects in materials, manufacture and workmanship for two years from the date of purchase. Please retain all original packaging materials for possible future use. By registering your BT2 on our website we will extend your guarantee, free of charge, to three years.

Under this warranty Acoustic Energy agrees to repair any defect or, at the company's discretion, replace the faulty component(s) without charge for parts and labour. This warranty does not imply any acceptance by Acoustic Energy or its agents for consequential loss or damage and specifically excludes fair wear and tear, accident, misuse or unauthorised modification.

This warranty is applicable in the United Kingdom only and does not in any way limit the customer's legal rights. Claims and enquiries under the warranty for AE products purchased outside the UK should be addressed to the local importers or distributors. If you have any reason to claim under the warranty please contact your dealer or point of purchase in the first instance.

## **TROUBLESHOOTING**

### **The speaker will not power on**

- Check there is power available to the speaker or the battery has charge

### **The speaker will not connect**

- Ensure that the BT2 is in pairing mode with the blue light flashing
- Ensure Bluetooth is enabled on your partnering device and that it is not connected to something else
- Ensure you are within three to four metres of the BT2
- The system will show as "AEGO BT2" in available connections on your Bluetooth enabled device, if it does not, exit and re-enter the Bluetooth menu, waiting a few seconds for "AEGO BT2" to show
- Turn the BT2 off and then on again

### **There is no sound**

- Check there is power to the BT2 and it is switched on
- Check the BT2 is paired and there is a solid blue light
- Check that the volume on the BT2 is not at zero
- Check that the volume on the connected device is not at zero

### **The sound is intermittent or distorted**

- Check you are not too far away from the BT2
- Check that the levels from your source equipment are not too high and causing the speaker to cut out or distort
- If you are using a streaming service, check that the stream itself is stable

### **Volume levels are too low**

- If you are using an Android, Blackberry or Windows device, check that the volume control on the BT2 is not set to a low level, the volume will only be as high as this setting
- Check that the connected device is not set to a low volume level

## BT2 SPECIFICATION

**Inputs:** 1 x Stereo Mini-jack, 1 x Bluetooth (wireless)

**Power Ratings:** I/P: 100-240Vac, 50/60Hz, 1.1A. O/P: 12Vdc, 3.8A

**Dimensions (HWD):** 140x200x100mm

**Weight:** 2kg

**Finish:** Aluminium, rubber, chrome and silver/black steel grilles

Upto 36 hours battery life<sup>1</sup>

40watts RMS output with stereo 2.5 inch drivers and twin bass radiators

Bluetooth 4.2 Qualcomm® aptX™ Low Latency

USB phone charging

Microphone for hands-free calling

### NOTE:

<sup>1</sup> Measured at 30% volume continuous music playback via aux input.

Battery life will be reduced at higher volumes with Bluetooth transmission and when charging external devices. Example: at 70% volume continuous music playback over Bluetooth the expected battery life is approx 18 hours.

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## WARNING

To reduce the chance of electric shock, do not expose this system to rain or moisture.

To reduce the risk of shock, do not remove the rear panel of this system - there are no user-serviceable parts inside.

Refer servicing to qualified service personnel.

### **Lithium Battery Caution:**

1. DO NOT remove the cover there are no user-serviceable components inside. Take your Aego BT2 to an Acoustic Energy approved service centre for repairs and servicing.

2. NEVER expose the battery to excessive heat, sunlight or fire.



The lightning ash with arrowhead symbol in an equilateral triangle is intended to alert the user to the presence of uninsulated "dangerous voltage" within the system enclosure that may be of sufficient magnitude to constitute a risk of electrical shock.



The exclamation point within an equilateral triangle as marked on the system is intended to alert the user to the presence of important operating and maintenance instructions in this owners guide.

This equipment must be installed and operated in accordance with provided instructions and the antenna(s) used for this transmitter must be installed to provide a separation distance of at least 20 cm from all persons and must not be co-located or operating in conjunction with any other antenna or transmitter. End-users and installers must be provided with antenna installation instructions and consider removing the no-collocation statement.

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter. This equipment should be installed and operated with a minimum distance of 20 centimetres between the radiator and your body.

Cet émetteur ne doit pas être Co-placé ou ne fonctionnant en même temps qu'aucune autre antenne ou émetteur. Cet équipement devrait être installé et actionné avec une distance minimum de 20 centimètres entre le radiateur et votre corps.



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