ASTON MARTIN

Zygote

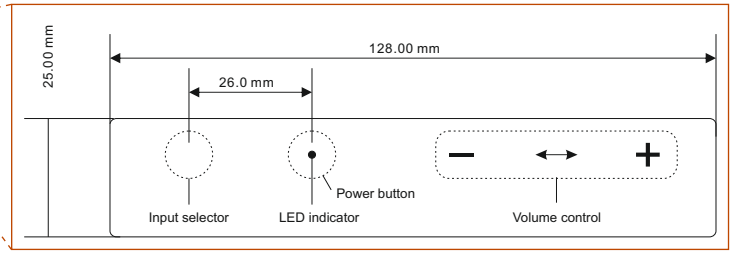
USER GUIDE

ILLUSTRATIONS

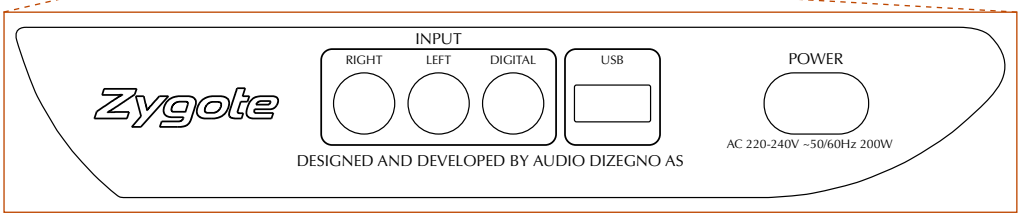
1: Controls

Touch sensor and LED indicator

Important!
Grill mounted,
do not remove



2: Connector panel and external connectors



PACKAGE CONTENT

- Aston Martin Zygote x 1
- Product bag x 1
- Gloves x 1
- Accessory box x 1

- Power cord eligible for market x 1
- USB cable x 1
- Welcome Guide x 1
- User Guide x 1
- Warranty Information x 1

UNPACK AND PLUG IN

1. Find a flat surface to safely place the Zygote speaker box on
2. Unbutton the two leather straps from the speaker box, detaching the top part from the bottom part
3. Remove the top part of the speaker box. The Zygote is located inside the product bag
4. Take out the white gloves from the speaker box. Carefully lift out the product bag including the Zygote. Place it on your preferred location, note “Safety” on page 6
5. Remove the Zygote from its product bag
6. Remove the plastic protectors from the touch sensor, Aston Martin logo and back plate
7. Remove the power cord from the accessory box and plug it into the back of the Zygote
8. Plug the power cord into an outlet
9. The touch sensor should be solid red
10. The Zygote is now set up and ready to be powered on

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For the complete product user guide and alternative language versions, please visit www.audiomoda.com/support
Pour le guide de l'utilisateur du produit complet et différentes langues, veuillez visiter www.audiomoda.com/support

SAFETY

1. Read these instructions carefully
2. Keep these instructions
3. Heed all warning
4. Follow all instructions
5. Do not use this product near water
6. Clean only with dry cloth
7. Do not block any ventilation openings. Install in accordance with manufacturer's instructions
8. Do not install near any heat sources such as radiators, heat registers, stoves, or other devices (including amplifiers) that produce heat
9. Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet
10. Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the product
11. Only use attachments/accessories specified by the manufacturer
12. Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the product. When a cart is used, use caution when moving the cart/product combination to avoid injury from tip-over
13. Unplug this product during lighting storms or when unused for long periods of time
14. Refer all servicing to qualified service personnel. Servicing is required when the product has been damaged in any way, such as power-supply cold or plug is damaged, liquid has been spilled or object have fallen into the product, the product has been exposed to rain or moisture, does not operate normally, or has been dropped.

WARNING:

To reduce the risk of fire or electric shock, do not expose this product to rain or moisture.

The product shall not be exposed to dripping or splashing and that no objects filled with liquids, such as vases, shall be placed on the product.

COMPATIBILITY

Apple AirPlay

“Made for iPod,” “Made for iPhone,” and “Made for iPad,” mean that an electronic accessory has been designed to connect specifically to iPod, iPhone or iPad, respectively, and has been certified by the developer to meet Apple performance standards. Apple is not responsible for the operation of this device or its compliance with safety and regulatory standards. Please note that the use of this accessory with iPod, iPhone, or iPad may affect wireless performance.

AirPlay works with iPhone, iPad, and iPod touch with iOS 4.3.3 or later, Mac with OS X Mountain Lion or later, and PC with iTunes 10.2.2 or later.

Made for iPhone 5s, iPhone 5c, iPhone 5, iPhone 4s, iPhone 4, iPad Air, iPad mini 2, iPad mini, iPad (4th generation), iPad (3rd generation), iPad 2, iPod touch(5th generation), iPod touch(4th generation), iPod touch(3rd generation), iPod nano(7th generation), iPod nano(6th generation), iPod nano(5th generation)

AirPlay, iPad, iPhone, iPod, iPod nano and iPod touch are trademarks of Apple Inc., registered in the U.S. and other countries. iPad Air and iPad mini are trademarks of Apple Inc.

Trademark notes

Android is a trademark of Google Inc. Microsoft and Windows are trademarks of Microsoft Corporation. Apple, OSX and AirPlay are trademarks of Apple Inc. iOS is a trademark of Cisco Systems Inc. DLNA is a trademark of Digital Living Network Alliance. Wi-Fi and Wi-Fi Direct are trademarks of the Wi-Fi Association.

THE ZYGOTE TOUR

Audiomoda, in cooperation with Aston Martin, proudly presents the Aston Martin Zygote, a luxurious stand-alone wireless audio system for your home.

Reinventing sound through new technologies

The Zygote features cutting-edge Class D Amplifiers with 240W RMS max of pure power and superior sound performance. It is equipped with built-in and new to market DSP platform, as well as with high-end digital-to-analogue (DAC) and ADDA converters (analogue to digital / digital to analogue). The cutting edge DSP technology, offers exceptionally powerful speaker compensation, including speaker response EQ, time alignment and dynamic processing. This ensures superior sound compared to an uncompensated passive speaker, regardless of the original speaker quality. The Zygote comes equipped with both analogue and digital input connectors, allowing the system to play from multiple sources. In conjunction with a complete audio networking system, including software controlling wireless music sources, the Zygote uses Apple Airplay, DLNA and Wi-Fi direct for other applications, making the Zygote fully compatible with most signal sources. The Zygote is equipped with a software limiter to prevent hardware and speaker damages.

LED indicator

The LED indicator is located discreetly on top of the Zygote, allowing you to see in which mode the Zygote is operating. The LED indicator will change colour when you change the mode, as well as blink when you adjust the volume control up and down, details described in “Illustrations” on page 3.

Touch sensor

The touch sensor is an intriguing feature of the Zygote, gently reminding you, that the product is a handcraft made by a human and not a robot. The touch sensor is located on both sides of the LED indicator, elegantly hidden underneath the cabinet, details described in “Illustrations” on page 3.

- By pressing the input selector located on the touch sensor panel to the left of the LED indicator, you change the product source.
- The touch sensor panel located on the right side of the LED indicator enables volume control by sliding the panel to the left and right.

External connections

The rear panel holds a variety of external connections. Mains power, analogue and digital audio inputs and a multifunctional USB connector, described in the “External Connections” chapter on page 11.

Zygote app

Streaming music from the Zygote is quick and easy thanks to the free Zygote app, which you can download from the App Store or Google Play. The app contains a remote control for the Zygote with volume control and input selector. The Zygote app also has advanced audio setup functions, as well as a firmware upgrade function.

Compatibility

The Zygote is compatible with both Apple Airplay and DLNA. For information regarding this, please note page 7.

GETTING STARTED

Powering on

As described in "Unpack and plug in" on page 4, plug the power cord into the back of the Zygote and plug the power cord into a mains wall. Make sure to connect the Zygote to an outlet with the correct voltage. The LED indicator will have a solid red light. Zygote is now set up, in standby mode and ready to be powered on. Turn on your Zygote by holding the LED indicator for more than three seconds. The LED indicator will flash slowly. When the Zygote is on the LED goes from flashing to steady light. The colour shows the selected input.

Powering off

To turn the Zygote off, push and hold the LED indicator for three seconds. The LED indicator will have a solid red light. Zygote is now off and in standby mode.

Sleep mode

After twenty minutes of not receiving an audio signal, the Zygote enters sleep mode. If connected to Wi-Fi, the LED indicates sleep mode with a solid purple light. If not connected to Wi-Fi, the LED show a solid red light. In sleep mode, an active Airplay, DLNA or iOS USB mode will wake the Zygote up.

Volume control

The volume control is located on the sensor panel to the right of the LED indicator. The volume is adjusted by swiping your finger from left to right the volume increases. By swiping from right to left, the volume decreases. See "Illustrations" on page 3.

The LED indicator flashes rapidly when adjusting the volume:

- Blue — Low volume
- Green — Low-medium volume
- Yellow — Medium volume
- Orange — Medium-high volume
- Red — High volume

Mute

Touching the LED indicator when the Zygote is on mutes the sound. When muted, the LED flashes slowly in one of the above-mentioned colours to indicate the volume setting the Zygote will have when it is unmuted. The sound is unmuted by touching the LED indicator once more.

Connect source

The Zygote has three different connections for input sources located on the backside of the product, as described in "Illustrations" on page 3:

- 1 x RCA Analogue
- 1 x RCA Digital coaxial
- 1 x USB audio streaming

Changing input

By touching the input selector (see description in "Illustrations" on page 3), the input changes. It toggles between four positions, analogue, digital, USB and wireless.

The LED light indicates the selected source/input as follows:

- Steady green: RCA analogue
- Steady yellow: Digital coaxial
- Steady blue: USB audio
- Steady white: Wi-Fi audio & iOS USB audio

When playback is started either from DLNA, Airplay, or iOS USB, the Zygote will automatically change to this input.

WIRELESS SETUP

The Zygote app makes it easy to set up and manage the Zygote, walking you through the simple steps to connect you to your Wi-Fi, and choose and manage your settings, all wirelessly.

The Zygote has a wireless setup mode for Apple Airplay and DLNA. In this mode, the Zygote can be set up towards a router or as a Wi-Fi direct access point. When set up against a router, the devices streaming audio to Zygote needs to be connected to the same router. When Zygote is set up in Wi-Fi Direct mode, the Zygote has its own SSID, and the devices streaming to it connects directly to the Zygote without using a router.

The Zygote has a built in Wi-Fi network adapter. The network setting can be used in two modes. The standard mode is when you connect the Zygote to an existing Wi-Fi network. An alternative mode is to set up the Zygote as Wi-Fi direct. In Wi-Fi direct mode it creates its own Wi-Fi network. You can access this network by looking for a network named "Zygote + 4 digit code" and connect to it. All Wi-Fi network setup modes require that the Zygote is in Wi-Fi setup mode. Turn on your Zygote, then touch and hold the input selector for five seconds until the LED flashes in purple to enter Wi-Fi setup mode.

Setup alternatives (in Wi-Fi setup mode):

- Setting Wi-Fi direct mode

Touch the power button. The Zygote enters Wi-Fi direct mode and exits the Wi-Fi setup mode.

- Setting up the Zygote to a router

In Wi-Fi setup mode, the Zygote is ready to accept incoming WPS. Push the WPS button on the router (or activate in the router software UI if no such button is present) in order to share the setup key from the router to the Zygote. When the Zygote receives the key, it is automatically stored.

- WPS setup

In Wi-Fi setup mode, the Zygote is ready to accept incoming WPS. Connect a USB cable between the USB port and your Apple iOS device. Accept to share the network key. Now the Zygote receives the key from the iOS device and connects itself up against the router.

- WAC setup

In Wi-Fi setup mode, touch the input selector the enable WAC feature. When the LED stop flashing rapidly in purple, you can find "Zygote + 4 digit code" in the Wi-Fi list of your Apple iOS device. You can setup the Zygote from your iOS device directly.

- Exit Wi-Fi setup mode

If the wireless network port is activated or deactivated, the LED will light up for two seconds before returning to the current input source. The Zygote will also exit Wi-Fi setup mode automatically after two minutes timeout.

Firmware upgrade

The Zygote firmware can be upgraded from the Zygote app. When the app connects to the Zygote, it performs a search for the latest firmware. If a new firmware is detected, follow the instructions on your device to install. This function will not work if your device is connected to the Zygote with Wi-Fi Direct, as this setup do not allow the Zygote to connect to Internet.

Troubleshooting

For trouble shooting information, please visit www.audiomoda.com/support

EXTERNAL CONNECTIONS

Analogue and digital audio inputs

Analogue sources connects to the red (right) and white (left) RCA sockets. Select analogue input (green) on the Zygote. Connect digital sources to the yellow RCA sockets. Select digital input (yellow) on the Zygote.

The USB connector

- USB charging

Provides fast USB charging to phones and tablets.

- USB audio from computer

USB audio playback from computers is compatible with Windows and OSX. For Windows, please visit www.audiomoda.com/support to download and install the driver. For OSX, no driver is needed. Connect the USB cable and select input USB audio (blue). The Zygote will show up as a new audio device on your computer.

- USB Audio from iOS device (iPhone, iPad or iPod)

Connect your iOS USB cable to the USB port. Select Wi-Fi input (white) on the Zygote. The Zygote will now play audio from your iOS device.

- Wi-Fi setup

Please read “Wi-Fi setup in depth” on page 12.

AUDIO SETUP

The Zygote control app contains three different functions for altering the sound of the Zygote.

Location

The location function compensates for different room properties given by the location of the Zygote. You can choose between

- Corner setting
- Wall setting
- Freestanding setting

Different locations in a room will cause certain frequencies to be amplified by the walls. This function compensates for these variations. However, since different rooms will behave differently, the settings are guidelines, not absolute rules. When setting up the Zygote you should use the setting that gives the best performance in the given room.

Bass control

With the bass control, you can adjust the amount of low frequency sound you want from the Zygote. The bass control works at lower frequencies than the location control. The bass control has settings from minus one to plus two. Zero is the neutral setting. To determine the best setting for the bass control, one should start with the zero setting. Use different types of music and listen from different parts of the room. Try different settings for the bass control in order to determine the best setting.

Loudness control

The ear is less sensitive to high and low frequencies at low volume levels than at higher volume levels. To compensate for that the loudness function was developed. When the loudness function is activated, the highest and the lowest frequencies are amplified at lower levels, while at higher levels, they remain unchanged.

WI-FI SETUP IN DEPTH

There are different methods for setting up your Zygote to against an existing Wi-Fi network. To enter Wi-Fi setup mode, touch and hold the input selector button for five seconds until the LED flashes in purple. When the Zygote is connected in one way, it will exit the Wi-Fi setup mode automatically. If the Zygote is unable to connect, it will timeout after two minutes and leave Wi-Fi setup mode.

Setting up the Zygote from WPS network key setting

For this alternative, the router needs to have a WPS function. This function could be in the form of a WPS button on the router or in the form of a function activated from the routers web interface. If your router does not have a WPS button, and you do not know how to access your routers web interface, it is highly recommended to use one of the other options. Push the WPS button on your router. Your router will normally remain in WPS mode for two minutes. Enter the Wi-Fi setup mode. The Zygote is now in WPS mode, and will remain in this mode for a maximum of two minutes. Once both the Zygote and the router is in WPS mode, they should connect automatically. After having stored the Wi-Fi network settings the LED will light for two seconds continuously in purple to confirm the new settings are stored.

Sharing network settings from iOS over USB

For this alternative, you will need an iOS device (iPhone, iPod or iPad) which is already connected to your Wi-Fi network and a USB cable that is compatible with your iOS device. Enter the Wi-Fi setup mode. The Zygote is now in WPS mode. Once the Zygote registers the connected iOS device, allow it to share its Wi-Fi settings with the connected accessory. Now the Zygote will receive its Wi-Fi settings from your iOS device. The LED will light for two seconds continuously in purple to confirm the new settings are stored. The iOS device can now be unplugged, and the Zygote should show up as a new Airplay speaker on your iOS or OSX device.

Sharing network settings from iOS over Wi-Fi (WAC)

For this alternative, you will need an iOS device (iPhone, iPod or iPad) which is connected to your Wi-Fi network. Enter the Wi-Fi setup mode. The Zygote is now in WPS mode. Touch the input selector again, to enter WAC mode. On your iOS device, go to “Settings” and “Wi-Fi”. On the lower part of your screen, select “Set up new Airplay speaker”, and press next. Your iOS device will now automatically share its Wi-Fi settings with your Zygote. The LED will light for two seconds in purple to confirm the new settings are stored.

Setting up the Zygote as Wi-Fi direct

Wi-Fi direct is used if no access point is available that the Zygote can be connected to. In Wi-Fi direct mode the Zygote will configure itself as an access point. Any smartphone or computer can access this from the standard network settings. Enter the Wi-Fi setup mode. The Zygote is now in WPS mode. Touch the LED once to enter Wi-Fi direct mode. The LED will light for two seconds continuously in purple to confirm that the new settings are stored. The Zygote is now accessible from any Wi-Fi enabled device. No network key is required to access the Zygote in Wi-Fi direct mode.

Attention: When using the Zygote in Wi-Fi direct mode, and you are connected to the Zygote, you will normally not have access to Internet, as your device will try to access Internet through your Zygote. To access Internet, turn off the Wi-Fi connection and access Internet from your mobile network connection, or connect to a different Wi-Fi connection that has an Internet connection.

Setting up the Zygote manually (Advanced)

You can set up the Zygote manually to an existing network. This is done from the network settings in the app or in a web browser on a computer. You need to know the SSID and the network key for the network

you want to connect the Zygote to. First, set the Zygote up in Wi-Fi direct mode (follow steps above). To use the app, you need to connect your device to the Zygote with Wi-Fi direct mode. Go to the network page in the app, and select “Manual setup”. Follow the instructions to complete the setup. When the new settings are stored, the Zygote now disappears from the app. The Zygote is now connected to your Wi-Fi network. You need to connect to the network you just connected the Zygote to in order to connect the app to the Zygote again. To use a computer, open the network settings on your computer and look for the Zygote. Connect to the Zygote (no network key is required). Look up the IP address of your Zygote, and enter it in the address bar of your web browser. Follow the instructions showing up on your screen to complete the setup. After you have entered the new settings, the Wi-Fi direct connection will disappear. The Zygote is now connected to your Wi-Fi network.

TECHNICAL SPECIFICATIONS

Controls	Android™ and iOS® control app for basic controls and audio settings	
	Touch sensor and LED indicator for basic controls	
Signal processing	Built in high performance digital signal processor (DSP)	
	User selectable tone controls	
	Room adaptation control	
	Stereo sound stage enhancement	
	Precision loudspeaker correction	
	Dynamic signal enhancement	
	Digital loudspeaker crossover	
	High performance 32 bit digital to analogue conversion	
Audio output	High performance Class D power amplifiers	
	240W RMS output power	
Connectivity	Input	RCA analogue
		RCA digital coaxial
		USB audio streaming
	Wireless	Apple® Airplay®
		DLNA® wireless streaming
		Wi-Fi Direct®
		Wi-Fi® access point
Limitations	90–132VAC (110V version), 180–264VAC (230V version), 45–63 Hz	
	Standby power consumption <0.5W	
Dimensions	Width	ca. 630 mm (24.8 in)
	Height	ca. 300 mm (11.8 in)
	Depth	ca. 250 mm (9.8 in)
Weight	ca. 12 Kg (26.5 lbs)	

INFORMATION REQUIREMENTS

As pr. 1. January 2015 product information requirements for networked equipment enclosed please find information on the Zygote's Power Consumption and how to operate the product's Wireless Network Ports. This information is also available on www.audiomoda.com/support

Product Power Consumption

The power consumption of the product in networked standby if all wired network ports are connected and all wireless network ports are activated is: <6W

How to activate and deactivate the Wireless Network Ports

Push and hold the input selector to engage the Wi-Fi setup mode. In Wi-Fi setup mode, push and hold for ten seconds the input selector again to disengage the Wi-Fi module. To reactivate the Wi-Fi module, push and hold the input selector to engage the Wi-Fi module again.

COMPLIANCE

FCC Statement
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.

Cet appareil est conforme à la section 15 des réglementations de la FCC. Le fonctionnement de l'appareil est sujetaux deux conditions suivantes:
(1) cet appareil ne doit pas provoquer d'interférences néfastes, et
(2) cet appareil doit tolérer les interférences reçues, y compris celles qui risquent de provoquer un fonctionnement indésirable.

Note: This product 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 product 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 product 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.

Please take attention that changes or modification not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This equipment should be installed and operated with a minimum distance 20cm between the radiator and your body.

Cet équipement doit être installé et utilisé à une distance minimale de 20 cm entre le radiateur et votre corps.

This device complies with Industry Canada licence-exempt RSS standard(s). Operation is subject to the following two conditions:
(1) this device may not cause interference, and
(2) this device must accept any interference, including interference that may cause undesired operation of the device.

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radioexempts de licence. L'exploitation est autorisée aux deux conditions suivantes:
(1) l'appareil ne doit pas produire de brouillage, et
(2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

Under Industry Canada regulations, this radio transmitter may only operate using an antenna of a type and maximum (or lesser) gain approved for the transmitter by Industry Canada. To reduce potential radio interference to other users, the antenna type and its gain should be so chosen that the equivalent isotropically radiated power (e.i.r.p.) is not more than that necessary for successful communication.

Conformément à la réglementation d'Industrie Canada, le présent émetteur radio peut fonctionner avec une antenne d'un type et d'un gain maximal (ou inférieur) approuvé pour l'émetteur par Industrie Canada. Dans le but de réduire les risques de brouillage radioélectrique à l'intention des autres utilisateurs, il faut choisir le type d'antenne et son gain de sorte que la puissance isotrope rayonnée équivalente (p.i.r.e.) ne dépasse pas l'intensité nécessaire à l'établissement d'une communication satisfaisante.

ENVIRONMENTAL INFO

The Aston Martin Zygote is designed to comply with international directives on the Restriction of Hazardous Substances (RoHS) in electrical and electronic equipment and the disposal of Waste Electrical and Electronic Equipment (WEEE).

These symbols indicate compliance and that the products must be appropriately recycled or processed in accordance with these directives. Consult your local waste disposal authority for guidance.

CERTIFICATIONS

CE

Safety tested Protection monitored TÜV SÜD NRTL C US

Conforms to
UL60065
Certified to
CAN/CSA
IEC60065

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