



EARFORCE®
Z6A

Gaming Headset with
Multi-Speaker 5.1 Surround Sound



User Guide



EAR FORCE®
Z6A

What's in the Box



Z6A Headset



In-line
5.1 Channel Amplifier



User Guide



5.1 Channel
Splitter Cable



Sticker

product support and warranty information:
www.TurtleBeach.com/support

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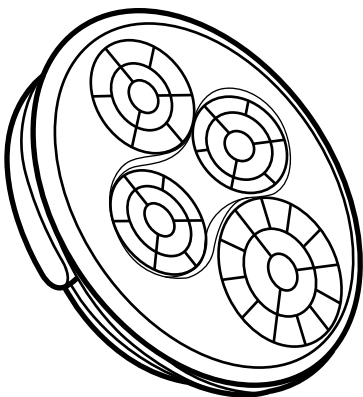
View our YouTube videos:
www.youtube.com/TurtleBeachVideos

About the Ear Force Z6A

Congratulations on your purchase of the Z6A! The Z6A combines the audio quality and comfort of a professional-grade gaming headset with the full impact and 3D positional accuracy of multi-speaker 5.1 surround sound. With eight premium speakers, including dual subwoofers, the Z6A is powered by a 5.1 channel amplifier with bass enhancement, letting you pinpoint critical sound cues from every direction. To get the best gaming experience from your Z6A, please take a few moments to review this guide.

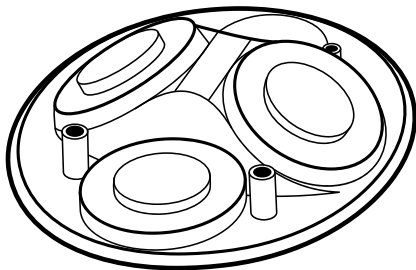
Multi-Speaker Surround Sound

Designed to deliver high quality 5.1 surround sound, the Z6A incorporates 4 premium speakers in each ear cup, including 40mm subwoofers for extended bass and extraordinary dynamic range.



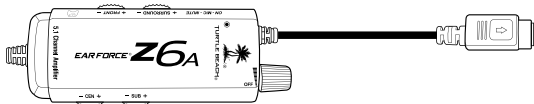
Acoustically Angled Speakers

Providing more realistic directional audio perception, the front and surround speakers in the Z6A are acoustically angled, allowing you to more accurately pinpoint sounds than conventional flat speakers.

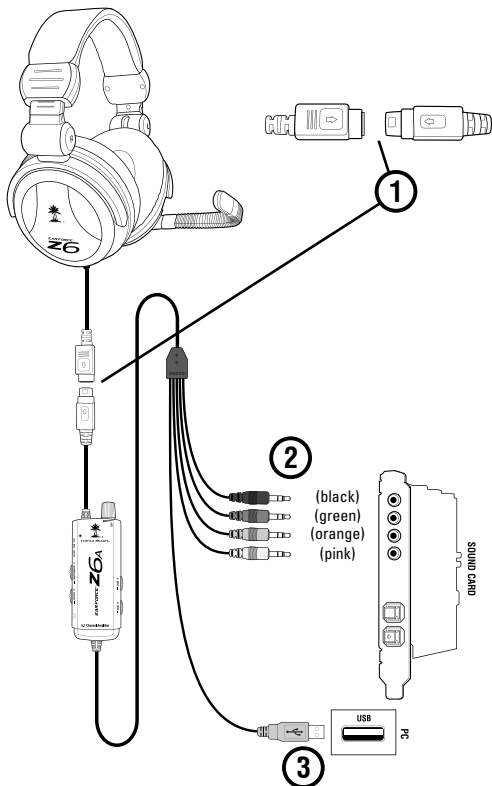


5.1 Channel Amplifier with Quick Disconnect

The Z6A amplifier gives you quick access to independent controls for all 5.1 audio channels, letting you tune your Z6A for any gaming situation. The headset and amplifier also feature a quick disconnect so you can easily detach it without having to unplug the 5.1 outputs from your computer.



PC Setup



Step 1:

Align the multi-pin amplifier and headphone connectors as shown and carefully insert them together, making sure not to force the pins.

Step 2:

Connect the four colored audio jacks to the corresponding inputs and outputs on your sound card, as indicated in the table below:

JACK	COLOR
Center/Sub	Orange
Mic	Pink
Front	Green
Surround	Black

Step 3:

Insert the USB connector into any USB port on your PC.

Step 4:

Select the microphone as the recording source in your sound card's control panel. Then adjust the volume level and sensitivity for adequate response when speaking into the mic.

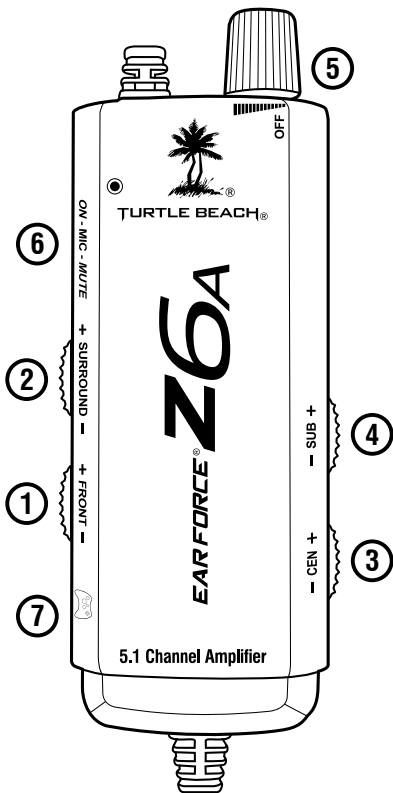
Step 5:

Set your sound card for 5.1 channel output and adjust the volume settings to a comfortable level.

Sound Card Settings:

Most sound cards allow setting the output levels and speaker configurations via software that is accessed from the Windows® Control Panel. Please refer to your sound card documentation for instructions on setting up the outputs for 5.1 audio to properly drive the headphone speakers. Also, note that some sound cards may have the bass and center channels reversed, which will cause an apparent decrease in bass response. This can often be corrected with a setting in the sound card control software.

Using the Amplifier



INLINE CONTROLS:

1 — Front Channel Volume

2 — Surround Channel Volume

3 — Center Channel Volume

4 — Subwoofer Volume

5 — Master Volume & On/Off Switch

Adjusts the master volume level and power for the amplification unit. In most cases, controls 1 through 3 should be set to maximum and the volume should be adjusted with the master volume control (5)

6 — Mic Mute Switch

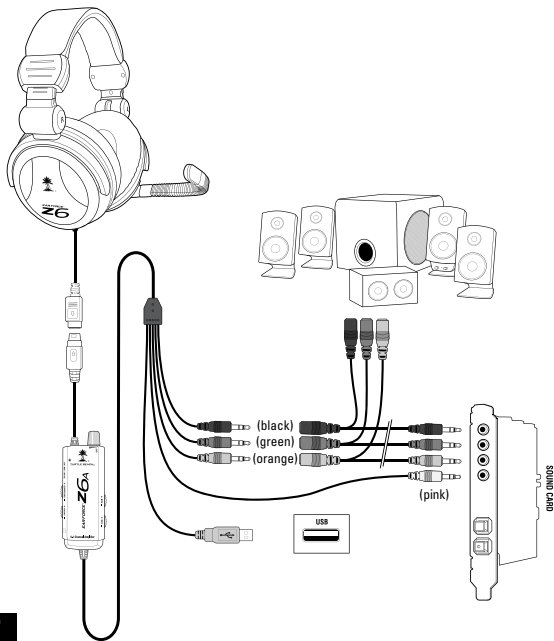
Switch to "MUTE" to mute the microphone. LED will turn RED when mic is muted.

7 — XBOX 360 Talkback Cable Jack (not used for PC gaming.)

Optional PC Setup

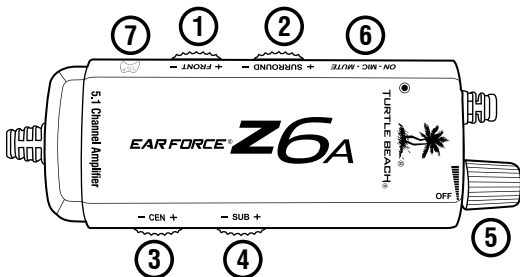
To use 5.1 speakers along with the headphones:

Connect the included splitter cable as shown below. Be sure to match the three colored amplifier jacks with the matching colored sockets on the cable. This allows you to turn down the speakers when using the headphones so you do not have to reach behind your PC to disconnect the headphones and reconnect the speakers.



XBOX 360 Setup (cable kit required)*

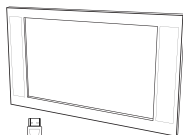
The Z6A functions as an amplified stereo headset when used with the XBOX 360. Stereo game sound is simultaneously routed to the front and surround speakers, providing dual 30mm speaker sound in each ear cup. The low frequencies are sent to the Sub channel for separate control of the bass level, while the XBOX LIVE® chat is routed to the center channel for separate adjustment of the chat volume level.



- 1 — **Front Channels:** adjusts the game volume level to the front speakers
- 2 — **Surround Channels:** adjusts the game volume level to the rear speakers
- 3 — **Center Channels:** adjusts the incoming chat volume
- 4 — **Subwoofer:** adjusts the bass level
- 5 — **Master Volume & On/Off Switch:** adjusts game volume, chat volume and bass level
- 6 — **Mic Mute Switch:** Switch to "MUTE" to mute the microphone. LED will turn RED when mic is muted.
- 7 — **XBOX 360 Talkback Cable Jack:** Connect the XBOX 360 Talkback Cable (sold separately) from this jack to the XBOX 360 controller.

*The XBOX 360 cable kit can be purchased online in the accessories section at www.turtlebeach.com/Z6A

XBOX 360 Setup (HDMI) (cable kit required)*



HDMI



CONSOLE

XBOX 360
HDMI Audio
Adapter**
(sold separately)



red/white



XBOX 360
RCA Splitter Cable*
(sold separately)

black
green
orange

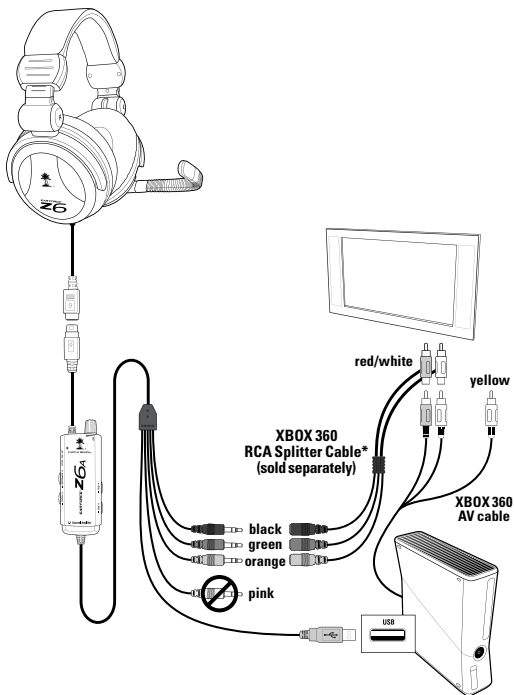
 pink



CONSOLE

USB

XBOX 360 Setup (Component) (cable kit required)*

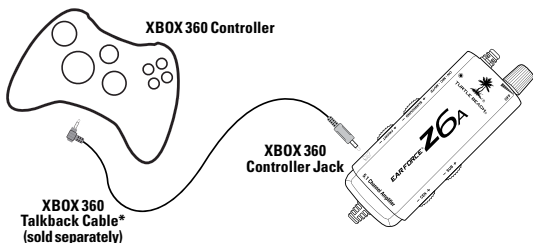


*The XBOX 360 cable kit can be purchased online in the accessories section at www.turtlebeach.com/Z6A

**All XBOX 360 models require a XBOX 360 HDMI Audio Adapter Cable for an analog audio output when used with an HDMI connection (available from third party sellers). If your HDMI TV has red/white AUDIO OUT RCA jack or a Headphone jack, you can use those to feed the sound from your TV to your Turtle Beach headset. (AUDIO IN jacks will not send sound out to your headset, you need AUDIO OUT.)

XBOX 360 Chat Setup

Connect the Talkback Cable



*The XBOX 360 cable kit can be purchased online in the accessories section at www.turtlebeach.com/Z6A

Configure XBOX 360 Settings

Step 1:

Press the XBOX 360 Guide Button,
select Settings > Preferences >
Voice

Step 2:

Voice Volume = 10

Step 3:

Game Volume = 10

Step 4:

Voice Output =
Play Through Headset

Voice

Voice Volume 10

Game Volume 10

☐ Mute Kinect

Voice Output

☒ Play Through Headset

☐ Play Through Speakers

☐ Voice Output

Technical Specifications

Headset

Front and Surround Channel Speakers

- 30mm diameter speakers with neodymium magnets
- Angled design for better surround sound perception
- Speaker Frequency Response:
20Hz - 20kHz, >120dB SPL+3dB/mW

Center Channel Speakers

- 30mm diameter speakers with neodymium magnets
- Speaker Frequency Response:
80Hz - 16kHz, >110dB SPL+3dB/mW

Subwoofer Channel Speakers

- 40mm diameter with high-impact
magneto-resonant vibration coil
- Speaker Frequency Response: 20Hz - 500Hz

- Condenser Microphone Frequency Response: 50Hz - 15kHz
- Weight: 13.6 oz. (380g)

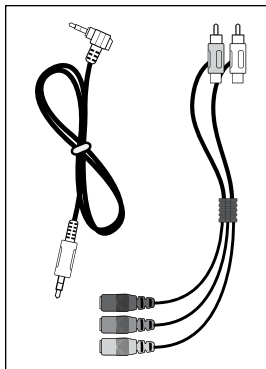
Surround Sound Amplifier

- Includes 6 independent amplifiers
- Frequency response Sub Channel: 20Hz - 200Hz
- Frequency response (Front, Surround and Center channels): 20Hz - 20kHz
- Amplifier power (all 8 channels): >100mW rms @ THD <1%
- 3.5mm stereo line input jacks x 3 (Front, Surround, Center/Sub)
- 3.5mm microphone jack
- Maximum analog input level with volume control on maximum setting: 2Vpp (700mV rms)
- 2.5mm XBOX 360 controller input jack
- Dimensions: H: 0.8in (2.0cm), W: 3.9in (9.8cm), D: 1.5in (3.9cm)
- Weight: 4 oz. (120g)

Additional Accessories

The following accessories are available for your Z6A and can be purchased in the accessories section at:

www.turtlebeach.com/z6a



XBOX 360 Cable Kit

Includes an XBOX 360 RCA Splitter cable and XBOX 360 Talkback Cable.

Maintaining Your Headset

Avoid Heat: Avoid resting or storing the headset or cables in or on top of units that generate heat. Gaming consoles are known to generate and dissipate unusually high levels of heat, and the heat can degrade the plastic resulting in twisting and eventual exposure of the internal wiring.

Storage: To help prevent damage to your Turtle Beach Headset, store it in a dry location where there is no risk of heavy items falling on your headset. Do not leave your headset or any accessories in a location where people or pets might accidentally trip over it.

Cleaning: Only use a dry cloth or slightly damp cloth. Cleaning solutions may damage your headset.

Transporting: Always disconnect all cables when transporting your headset.

Wire Management: Use the Velcro attached to your headset cable to avoid tangles when not in use.

Pets: Pets love to chew cords. To prevent this, keep your headset out of the reach of your pets.

XBOX 360 Talkback Cable: Pressure on the Talkback Cable can cause the jacks in the headset or XBOX 360 controller to become loose. A loose jack or wear and tear on the Talkback Cable can result in poor connection, pops, clicks, static, etc. In some cases of excess pressure, the tip of the talkback cable can break off inside the controller. Turtle Beach is not responsible if this happens to your XBOX 360 Controller.

Safety Notice

To avoid potential damage to the device, always disconnect all cables before transporting it.

WARNING: Permanent hearing damage can occur if a headset is used at high volumes for extended periods of time, so it is important to keep the volume at a safe level. Over time, your ears adapt to loud volume levels, so a level that may not cause initial discomfort can still damage your hearing. If you experience ringing in your ears after listening with the headset, it means the volume is set too loud. The louder the volume, the less time it takes to affect your hearing. So, please take care to listen at moderate levels.

- Before placing a headset on your ears, turn the volume down completely, then slowly increase it to a comfortable level.
- Turn down the volume if you can't hear people speaking near you.
- Avoid turning up the volume to block out noisy surroundings.

IC Radiation Exposure Statement for Canada

This equipment complies with IC radiation exposure limits set forth for an uncontrolled environment. To maintain compliance with IC RF exposure compliance requirements, Please avoid direct contact to the transmitting. End users must follow the specific operating instructions for satisfying RF Exposure compliance. The equipment must not be co-located or operating in conjunction with any other antenna or transmitter. 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. Caution: The device is incapable of transmitting in the band 5600-5650 MHz band in Canada.

FCC Caution:

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the 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 product is CE marked according to the provisions of the R&TTE Directive (99/5/EC)

Grantee Code/Reg Number: XGB/GC229855

IC Code: 3879A-2214

Voyetra Turtle Beach, Inc.





For more products, accessories
and general product information, please visit

TurtleBeach.com

For warranty information and product support, please visit

Turtlebeach.com/support

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EAR FORCE® Z6A

Multi-Speaker Surround Sound

Eight amplified speakers, including dual subwoofers.

Acoustically Angled Speakers

Delivers more realistic directional audio perception.

5.1 Channel Amplifier

Independent controls for all 5.1 audio channels.

Quick Disconnect

Easily detach your headset from your computer.

Microphone Monitor

Let's you hear what you're saying.

USB Powered

No batteries required.

XBOX 360 Compatible

Works as an amplified stereo headset on the XBOX 360.
(additional cables required: sold separately)

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