



Andrea Electronics

3D Surround Sound Recording Headsets

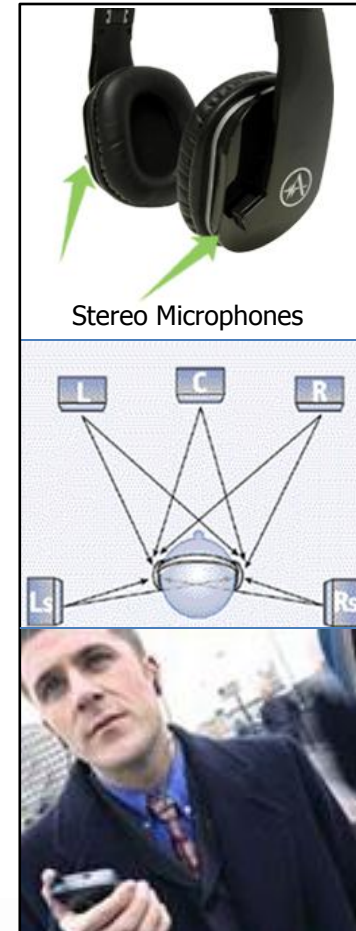


**Capture  
a Memory!**



## Virtual 3D Surround Sound Recording

- Great for recording live music, videos, events and even environmental sound samples.
- Binaural recording feature enables life-like surround sound capture of the users listening environment.
- Stereo microphones placed in close proximity to each of the user's left and right ears establish a "Real Head Transfer Function."
- Sound arriving at each microphone is in natural phase and duplicates real ear sound capture.
- Headphone playback then delivers a virtual 3D surround sound, reproducing one's listening experience.





## Ease of Use - Plug & Play

- Andrea's SuperBeam Headsets can be used with any PC, Digital Audio Handheld Recorder, Camcorder or DSLR Camera that is equipped with external speaker and microphone 3.5mm jacks or a standard USB Port.
- Simply plug your Andrea SuperBeam Headset into a compatible device, make your recording and playback to hear a true life-like listening experience.



[Click Here To Listen To This Live Recording!](#)



## Sample Compatible Devices



Newer DSLR Cameras with separate 3.5mm speaker and microphone jacks.



Most Camcorders with separate 3.5mm speaker and microphone jacks.



All laptop, desktop and Mac computers with a USB jack or separate 3.5mm speaker and microphone jacks.



Most Audio Recorders with separate 3.5mm speaker and microphone jacks.



## Summary

### A New Exciting Accessory for Mobile Recording

- Using Andrea's SuperBeam Headsets will turn what would have been an ordinary mono recording into a 3D Surround Sound Experience capturing the live sound.
- Playback provides a real life experience allowing the listener to hear playback the way it was meant to be heard!



**For More Information on Andrea Electronics' SuperBeam Headsets:**

Visit our Website at <http://shop.andreaelectronics.com/superbeam/>

Or call one of our headset specialists at (800) 442-7787



Music  
Listening



VOIP



Video  
Conferencing



Computer  
Gaming



Speech  
Recognition



Stereo  
Recording

FEATURES:



Hi Fidelity speaker  
drivers with acoustic  
bass expansion



USB soundcard with  
digital sample rates  
for Hi definition  
audio



Binaural microphone  
placement for 3D  
surround sound  
recording



Adaptive beam forming  
noise cancellation for  
boom free microphone  
VoIP communications

\*Red represents  
voice direction



(AVAILABLE IN BLACK AND WHITE)

MIC INPUT	STEREO OUTPUT
<ul style="list-style-type: none"> <li>•A/D Conversion Resolution 16 bit</li> <li>•THD + N -84 dB</li> <li>•Supply Bias Resistor 2.2K Ohm @ 3.3VDC</li> <li>•Frequency Response 20-20,000 Hz</li> <li>•Input Range 0 - 1.25 Vrms</li> <li>•Dynamic Range 95 dB</li> <li>•Record Gain Range -6 to 33 dB</li> </ul>	<ul style="list-style-type: none"> <li>•D/A Conversion Resolution 16 bit</li> <li>•THD + N -91 dB</li> <li>•Frequency Response 20-20,000 Hz</li> <li>•Output Load 32 Ohm</li> <li>•Output Voltage 1.27 Vrms</li> </ul> <p><b>CONNECTION</b></p> <ul style="list-style-type: none"> <li>• Standard USB 2.0</li> <li>•Microphone Jack 3.5mm (Red)</li> <li>•Speaker Jack 3.5mm (Green)</li> </ul>



USB HD AUDIO  
ADAPTER



BOOM FREE  
MICROPHONE



VOLUME/MUTE  
CONTROL



**AUDIOCOMMANDER SOFTWARE**

An intuitive graphical user interface that controls the SuperBeam headsets' beam forming, noise cancellation, speaker equalization and Digital Audio Recorder with AE3D surround sound recording feature.

\*AUDIO FILTERS FOR PC AND MAC

**Congratulations on your purchase of the Andrea SuperBeam Computer Headset!**

Your new SuperBeam headset is a Hi-Definition USB stereo computer headset with "boom Free" array microphones and new 3D surround sound recording feature. The SuperBeam headset provides revolutionary technology to enable a more enjoyable computer audio experience when listening to Music, watching Movies, Internet Chatting (VoIP), Video Conferencing, Gaming, Speech Recognition Dictating or Recording audio/video in 3D Sound!

**Attention!** Download Andrea's user guide and free audio software drivers to activate all the features of your SuperBeam headset at:

<http://www.andreaelectronics.com/SuperBeam.html>

If you do not have an internet connection, please call Andrea Electronics customer service at 1 (800) 442-7787 to request a user guide and an audio software driver CD to be shipped to you.

**Connecting the SuperBeam USB headset to your computer.**

1. Plug the two 3.5mm stereo plugs (Microphone/red and Speaker/green) from the headset cable into the corresponding USB audio adapter jacks. Note: make sure to match the corresponding Microphone and Speaker icons on the plug jackets to the markings on the USB adapter.
2. Plug the USB connector into USB slot on your computer.
3. Check the headset Vol/Mute control has Mic Mute off and Volume Control is turned to max position.

**TROUBLESHOOTING**

**No sound from headset ear phone while audio plays from computer.**

Check all headset wire connections. Check the volume control on inline module.

**Windows Vista & Windows 7:**

Right click on the tool tray speaker icon and select playback devices. Right click on the Andrea USB device and enable it as the default playback audio device. Check the tool tray speaker icon for proper volume level adjustment and make sure the speakers icon is not muted. Double click on the Playback panel display of AudioCommander to see what devices are selected for audio playback

**Mac:**

Open the System Preferences panel. Click on the Sounds icon. Click on the Output button.

the default output audio device. Adjust the volume slider for proper volume level. Make sure the Mute checkbox is not checked.

**No sound is transmitted from the headset microphone during communications or recording on the computer.**

Check all headset wire connections. Check the microphone mute control is OFF on inline module.

**Windows:**

Right click on the tool tray speaker icon and select recording devices. Double click on the Andrea USB device and enable it as the preferred recording audio device. Check the AudioCommander recording volume control for proper level adjustment. Double click on the Record panel display of AudioCommander to see what devices are selected for audio input

**Mac:**

Open the System Preferences panel. Click on the Sounds icon. Click on the Andrea USB device to select it as the default input audio device. Adjust the volume slider for proper volume level.

**TECHNICAL SERVICE**

If you have questions, please visit our website at: [www.AndreaElectronics.com/product\\_support.html](http://www.AndreaElectronics.com/product_support.html) or call our Technical Service Team at 1-800-442-7787 (USA & Canada).

ANDREA® SB-205B

**SUPERBEAM® BUDS**



HI DEFINITION USB "BOOM FREE" STEREO HEADSET WITH ARRAY MICROPHONES AND 3D SURROUND SOUND RECORDING

This product is covered by Andrea Electronics Corporation Patent No's: 5,673,325 5,825,898 6,049,607 6,178,248 6,332,028 6,363,345 6,377,637 6,483,923 6,594,367 and patents pending

C46-5456-1 Rev-A

**WARRANTY INFORMATION**

Please visit our website at: [www.AndreaElectronics.com/product\\_support.html](http://www.AndreaElectronics.com/product_support.html)

Package includes: one SuperBeam headset with volume/mute control, USB audio adapter, headset extension cable, S,M,L, ear cushions, travel case and one instruction publication.

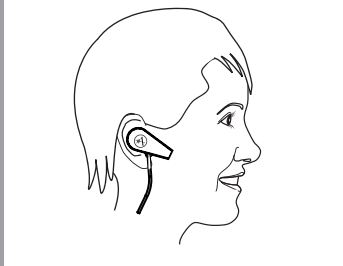
**Software Download**

**Attention!** Download Andrea's user guide and free audio software drivers to activate all the features of your SuperBeam headset at:

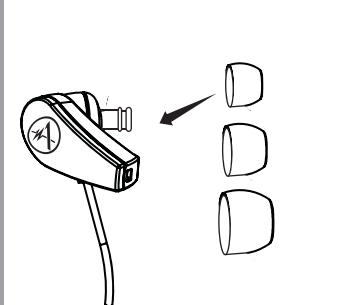
<http://www.andreaelectronics.com/SuperBeam.html>

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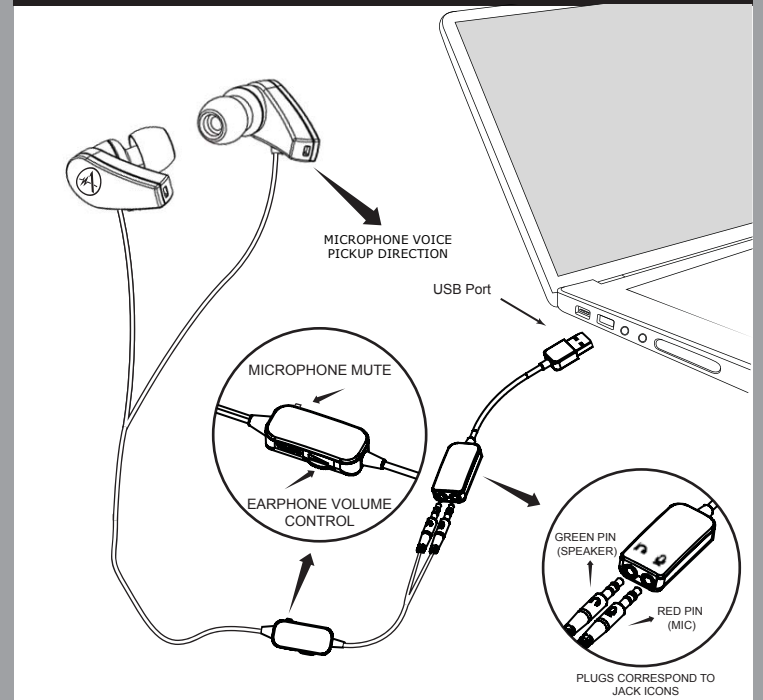
**POSITION LEFT AND RIGHT EARBUDS WITH WIRE IN DOWN POSITION AND ANGLE THE MICROPHONES TOWARDS YOUR MOUTH**



**EAR CUSHIONS REMOVABLE FOR DIFFERENT SIZE EARS**



**CONNECTION OF THE SUPERBEAM SB-205 HEADSET TO YOUR COMPUTER**





Contact: J.P. Lincoln | CrierPR  
(310) 274-1072 x 201 | [jp@crierpr.com](mailto:jp@crierpr.com)

## Andrea Electronics Ships SuperBeam™ “Boom-Free” Computer Headsets

USB Noise Cancellation Headsets offer HD Audio Reproduction and 3D Audio Recording

BOHEMIA, N.Y., September 13, 2011 – [Andrea Electronics Corporation](#) (OTCBB: ANDR – News) today announces the availability of its boom-free USB [SuperBeam™ headsets](#). More *headphone* than *headset*, SuperBeam™ stereo USB headsets feature an in-line dedicated USB sound card which bypasses a computer’s built in sound system to ensure superior audio performance and compatibility. Superbeam™ headsets feature a ported transducer design for rich deep bass, clear midrange and sparkling highs, and are the first to incorporate a separate microphone built into each headphone housing for “boom-free” audio recording.



The dual microphone array works with Andrea’s patented [Adaptive Beam Forming technology](#) to focus on the user’s voice while cancelling background noise for unprecedented intelligibility when making VoIP calls, video chatting, multiplayer gaming or using speech recognition software. SuperBeam™ headsets can also be used to make stereo 3D surround recordings and are available in two models, [SuperBeam™ Buds](#) (earbuds) and [SuperBeam™ Phones](#) (on-

ear headphones), which come in black or white and retail for \$129.95 and \$149.95, respectively. To use your SuperBeam headset on your smart phone, Andrea offers a Mobile Adapter cable (\$9.95). SuperBeam headsets are now available online at [shop.andreaelectronics.com](http://shop.andreaelectronics.com) and coming soon to Adorama, DataVision, J&R, BestBuy.com and TigerDirect.com.

### Boom-Free Technology

With full frequency response (20Hz-20kHz) miniature microphones integrated into each earpiece, SuperBeam™ Headsets provide a better user experience and performance than traditional single element boom mics, which can produce inconsistent sound when improperly placed. This boom-free design looks more natural during video conferencing use and performs especially well in noisy environments like an office, coffee shops or when travelling.

### 3D Surround Sound Recording

Technically called [binaural recording](#), SuperBeam™ headsets capture sound in the same phase and time as your own two ears, creating lifelike recordings and playback that is truly three dimensional. 3D surround recordings make YouTube videos that much more engaging, and recording



MORE



GarageBand tracks give listeners the feeling that they are in the same room as the musician. Home movie soundtracks will never be the same!

### **Take Command with Andrea's Audio Commander™**

SuperBeam™ headsets plug into Andrea's included [PureAudio™ external HD quality USB sound card](#) that far exceeds the built-in amplifier and digital audio converters found in laptops. Headset settings are made using Andrea's [Audio Commander Software](#) for complete control of your newly upgraded computer audio system. From a simple volume adjustment, to the programmable 10-band graphic EQ, Audio Commander is where you can select a variety of beam forming and noise cancellation settings, as well as make 3D surround recordings. Just hit "record."

"Earbuds and headphones have become an essential part of our everyday life, and the role they play in computing is shifting with the introduction of our SuperBeam™ family," said Douglas Andrea, president of Andrea Electronics Corporation. "With the growth of VoIP calling, video creation, multiplayer gaming and voice recognition software, listening is only half the equation. With a growing need to communicate over the various applications of our lives, we feel the ability to capture your voice without background noise distractions will soon become a computing essential."

### **An American Innovator**

SuperBeam™ headsets are the latest innovation from Andrea Electronics, an American-owned business since 1934. In the early 50's, Andrea was among the very first elite U.S. television manufacturers. In the 60's the company designed the capsule's intercom communication system used in the first manned Mercury space flight and military intercoms for F16 fighter jets and helicopters. In 1998 Andrea pioneered microphone array technology, which has become a standard for hands free VoIP communication embedding its advanced noise cancellation technology into millions of computers being produced by global manufactures such as Dell (NASDAQ: DELL), and HP (NYSE: HPQ).

### **About Andrea Electronics**

Andrea Electronics Corporation designs, develops and manufactures audio technologies and equipment for enhancing applications requiring high performance quality voice input. The company's patented [Digital Super Directional Array \(DSDA™\)](#), patented [PureAudio™](#) and patented [EchoStop™ far-field microphone technologies](#) enhance a wide range of audio products to eliminate background noise and ensure the optimum performance of voice applications. Visit Andrea Electronics' website at [www.AndreaElectronics.com](http://www.AndreaElectronics.com) or call 1-800 442-7787.

This press release contains certain forward looking statements made pursuant to the safe harbor provisions of the Private Securities Litigation Reform Act of 1995. Such statements are subject to certain risks and uncertainties. The Company wishes to caution readers not to place undue reliance on any such forward looking statements, which reflect management's analysis only as the date made. The Company does not undertake any obligation to publicly revise these forward looking statements to reflect events or circumstances that arise after the date of such statements.

## Andrea Electronics Launches Revolutionary SuperBeam® Computer Headsets with “Boom Free” Microphone Noise Cancellation and Unique Surround Sound Recording Capability

A pioneer and world leader in computer voice enhancement software technologies and computer headsets announced today the introduction of its new revolutionary SuperBeam® “boom free” computer headsets. Andrea introduced the first commercially available digital Array Microphone for the PC industry and has subsequently delivered millions of PC voice enhancement software licenses to top name brand PC companies. Now Andrea introduces the SuperBeam® headset, another first for the computer audio industry.

The SuperBeam® is a headphone that works like a headset. Providing new increased convenience, the product eliminates the need to constantly manually position the boom microphone for proper close talking operation. With SuperBeam® headsets, the user looks more natural during video use, with no fuzzy foam ball out in front of their lips. The user also has the convenience and enjoyment to freely eat and drink during conversations and operation, while enjoying exceptional sound quality and intelligibility for communications and multimedia applications.

The portable headphone market has become a very popular and burgeoning segment of the consumer electronics industry. Applications such as iTunes, YouTube, Skype, Game chat, as well as Unified Communications for the workplace, have driven the demand for headphones and headsets for personal listening and communications.

But there still is an awkward image and inconvenience associated with the boom microphone headset. The user can look like a telephone operator or air traffic controller during use, especially while video conferencing. Positioning the close talking microphone is an annoyance and incorrect positioning may result in the microphone being too far away from mouth, producing low output, or if positioned too close to the mouth can yield breath popping noises and distortion. The boom microphone is an appendage to the headset and is a frequent part of the headset that is broken easily.

“Andrea Electronics has reinvented the computer headset market segment with our new SuperBeam® products,” said Douglas Andrea, President of Andrea Electronics Corporation. “Our experience in developing PC headsets for the demanding speech recognition industry, combined with our patented and patent pending digital noise reduction array microphone technology, has culminated into a new revolutionary product. SuperBeam® now provides a 'boom free' capability that enhances the user experience providing 'freedom of voice™' with a new level of comfort and convenience, increasing user enjoyment and productivity not achieved with existing boom headsets.”

The initial two models, SuperBeam® Buds, an in-ear model, and SuperBeam® Phones, an over the head on-ear headphone, provide exceptional speaker drivers delivering Hi Fidelity sound output while also proving excellent passive noise isolation from ambient background noise. The headsets come with inline volume and microphone mute control. The headset cable is terminated with standard 3.5mm audio plugs for connection to the SuperBeam® systems' PureAudio® USB audio adapter for use with computers or any portable media device such as an iPod for basic audio listening.

The SuperBeam® headsets incorporate unique far-field stereo array microphones integrated right into the headphone housing providing a boom-free experience by utilizing Andrea's adaptive beam forming and digital noise reduction that enables more intelligible audio by forming a beam toward the speaker's mouth while eliminating unwanted background noises that are outside of the beam. The SuperBeam® products enable a more natural look for the user with open-face convenience during communication.

The SuperBeam® headsets connect to Andrea's PureAudio® USB audio adapter. The adaptor is a High Definition external sound card supporting CD quality digital sample rates with powerful low-noise floor amplified output. The PureAudio® adaptor removes the uncertainty of poor legacy computer audio quality and compatibility issues and provides the stereo microphone input to support SuperBeam® Headsets. The adapter also enables Andrea's AudioCommander® software suite that empowers the SuperBeam® peripherals. The small form factor is convenient for portability, but the small size packs large performance.

AudioCommander® Software is an intuitive audio dashboard that controls the digital audio enhancements provided by the SuperBeam® headset system. The different feature modes are ideal for improving input and output sound quality for entertainment multimedia applications as well as providing intelligibility for video conferencing and VoIP communications. The AudioCommander® software is compatible with any PC running Windows XP, Vista or Windows 7, as well as any Apple Mac computers running OS X Leopard and Snow Leopard operating systems.

Speaker output features:

Noise Cancellation: Speaker output is enhanced with Andrea's PureAudio® noise reduction for removing noise from your VoIP received audio. By cleaning up the signal you are listening to, you increase intelligibility.

Graphic Equalizer: Software includes a high fidelity 10 band Graphic Equalizer with 22 preset selections for the specific control of bass, mid-range and treble audio levels for customizing the sound tone to fit your music genre.

Microphone input features:

Stereo Noise Cancellation: Microphone input has PureAudio® digital noise reduction on left and right channels removes repetitive and stationary noise from your microphone signals as well as electrical buzz from noisy power sources.

Lite beam forming: DSDA2® is a directional beam forming noise reduction algorithm that provides directional array microphone noise reduction. DSDA2® is designed to enable far-field speech recognition command and control performance.

Aggressive Beam Forming: DSDA3® is an adaptive beam forming noise reduction algorithm that provides extreme noise cancellation performance for canceling directional noises outside the voice beam.

Binaural stereo recording:

A new unique innovative feature, Stereo recording mode enables life like surround sound recordings of the users listening environment. Due to the SuperBeam® stereo microphones placement in close proximity to the user's ears and head, a "Real Head Transfer Function" is established. Sound arriving at each microphone in natural phase will duplicate the real ear listening experience. Earphone playback will then deliver an identical sound reproduction experience, great for recording live music. With Andrea SuperBeam® headsets, you now have a portable sound studio right on you head that can make stereo surround sound recordings anywhere.

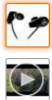
Andrea Electronics will be launching the new SuperBeam® product line at the January 2011 Consumer Electronics Show in Las Vegas Nevada. The company will occupy Booth # 2650 in the Hilton Pavilion and Ballroom.

About Andrea Electronics

Andrea Electronics Corporation designs, develops and manufactures audio technologies and equipment for enhancing applications that require high performance and high quality voice input. The Company's patented Digital Super Directional Array (DSDA®), patent-pending Directional Finding and Tracking Array (DFTA®), patented PureAudio® and patented EchoStop™ far-field microphone technologies enhance a wide range of audio products to eliminate background noise and ensure the optimum performance of voice applications.



Electronics > Headphones > Earbud Headphones



Click to open expanded view

Andrea Electronics

### Andrea Communications 3D Surround Sound Recording Ear Buds SB-205B, Black

★★★★☆ 56 customer reviews | 20 answered questions

Sale: \$15.61

In Stock.

This item does not ship to France. Please check other sellers who may ship internationally. [Learn more](#)

Sold by [Online Discount Centers](#) and [Fulfilled by Amazon](#). Gift-wrap available.

Color: **Black**



- Earphone Bass Expansion: SuperBeam headsets employ powerful neodymium magnets in the speaker transducers providing a wide frequency response of 20Hz-20KHz. The headsets also feature a unique bass-reflex ported earphone housing design for producing deep rich bass, complementing transducer output efficiency of clear midrange and sparkling highs.
- DSDA patented adaptive beam forming: The DSDA algorithm powers Andrea's SuperBeam array microphone system, enabling "Boom Free" performance. The array Microphone system forms an audio pickup beam toward the user's mouth and eliminates background noises that are outside of the beam
- Pure Audio award winning noise reduction: Reduces repetitive background noise on the both acoustic and electronic system noise. Increases the sound quality of your VoIP calls on applications such as Skype.
- Binaural 3D surround sound recording: Great for recording live entertainment, music, lectures and even environmental sound samples. SuperBeam microphones are placed in close proximity to the users left and right ears, establishing a "Real Head Transfer Function" acoustic effect. Sound arriving at each microphone is in natural phase and duplicates real ear sound capture. Headphone playback then delivers a virtual 3D surround experience, reproducing one's listening experience.
- USB digital audio adapter: Hi-fidelity external sound card with HD quality digital sample rates. Audio compatibility for Mac and PC. Provides stereo microphone input to enable SuperBeam headsets

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Sell on Amazon

## Shopping Info

Products with UPC 752921041081 were listed on the following websites. Product prices are accurate as of the date/time indicated and are subject to change. Please click the links below to check price and availability:

Stores	Product Info	Price	Last Updated
<a href="#">Pricefalls.com</a>	Andrea 3D Surround Sound Superbeam Earbuds With Built-In Microphone White	\$20.02	2017-01-20 06:20:46
<a href="#">Rakuten(Buy.com)</a>	Andrea Electronics SuperBeam SB-205W Earset - Stereo - White - Mini-phone, USB -	\$31.18	2016-10-19 22:08:43
<a href="#">eBay.com</a>	Andrea Electronics 3d Surround Sound Recording Ear Buds Sb-205w	\$31.24	2017-05-30 05:02:46
<a href="#">Wal-Mart.com</a>	Andrea Electronics SuperBeam Earbuds, White	\$45.22	2017-01-26 16:32:52
<a href="#">Newegg.com</a>	Andrea SB-205W Earbud Headset	\$47.97	2015-02-01 20:03:07
<a href="#">123Greetings.com</a>	Rea Sb-205W Superbeam Earbuds W/ Microphone Array Technology-White	\$47.97	2016-06-12 23:42:00
<a href="#">Sears</a>	Andrea Electronics 3D Surround Sound Recording Ear Buds SB-205W	\$60.56	2015-03-06 00:42:30
<a href="#">Walmart Marketplace</a>	Andrea Electronics SuperBeam Earbuds, White	\$79.85	2015-05-16 13:31:03
<a href="#">UnbeatableSale.com</a>	Andrea Electronics SuperBeam Earbuds White	\$79.95	2015-06-12 21:05:12
<a href="#">TigerDirect</a>	Andrea SB-205W SuperBeam PC Ear Buds	\$79.99	2015-12-02 16:42:17
<a href="#">Hook Bag</a>	SuperBeam SB 205 Earset H3C0EBNJY-2717	CAD142.99	2015-03-08 10:22:46