

# AUDYSSEY

## South of Market Audio Dock

Product Manual

Version 1.3.02



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# Welcome

The iPhone is a fine communication device and a compelling way to enjoy music. But when you want to play music over loudspeakers, your options for excellent sound quality have always been limited... until now.

Welcome to South of Market. As one of the world's great urban neighborhoods, San Francisco's SoMa district represents the intersection of emerging music, art and design. It's the home of the artist loft, nightclubs, restaurants and start-ups. That blend of culture and technology is what the Audyssey South of Market Audio Dock is all about.

You may know Audyssey for our sound-optimizing technologies for studios, home theaters and automobiles. Our Audio Dock combines Audyssey's unique technologies with a feature-rich product design to provide you a powerful, yet intuitive all-in-one loudspeaker and telephony solution for your iPhone. It also works with other cell phones, computers and nearly anything with a 3.5 mm (1/8-inch) stereo output jack.

- Stream music wirelessly, allowing you to remove your iPhone or iPod from the dock to check e-mail, send text messages or move between tracks without having to stop the music
- Charge your iPhone or iPod and sync with iTunes
- Make speakerphone calls on your iPhone using the Audio Dock's remarkable built-in microphone array and voice-processing algorithms
- Use the Audyssey iPhone app to customize the sound
- Listen to music from any Bluetooth-enabled audio device, such as a laptop computer or smart phone

At Audyssey, we live for great sound. As such, our Los Angeles-based engineering team designed the Audio Dock without compromise. A carefully engineered piece of hardware coupled with extraordinary Digital Signal Processing (DSP) technology from years of research and practical application, culminated in the South of Market Audio Dock. We are pleased to present to you what we believe to be the most versatile and accurate listening solution for the iPhone/iPod line. Enjoy!

## What's in the Box

South of Market Audio Dock  
Remote Control with battery  
USB to USB Mini cable  
3.5 mm (1/8-inch) stereo audio cable (x2)  
AC Power cord  
User Manual  
Get Started Guide  
iPhone application notice

# Visual Tour

We designed the South of Market Audio Dock to be intuitive and easy to use. To get the most out of its many features, we recommend you take a few minutes to get to know all the things it can do.



## Front of the Audio Dock

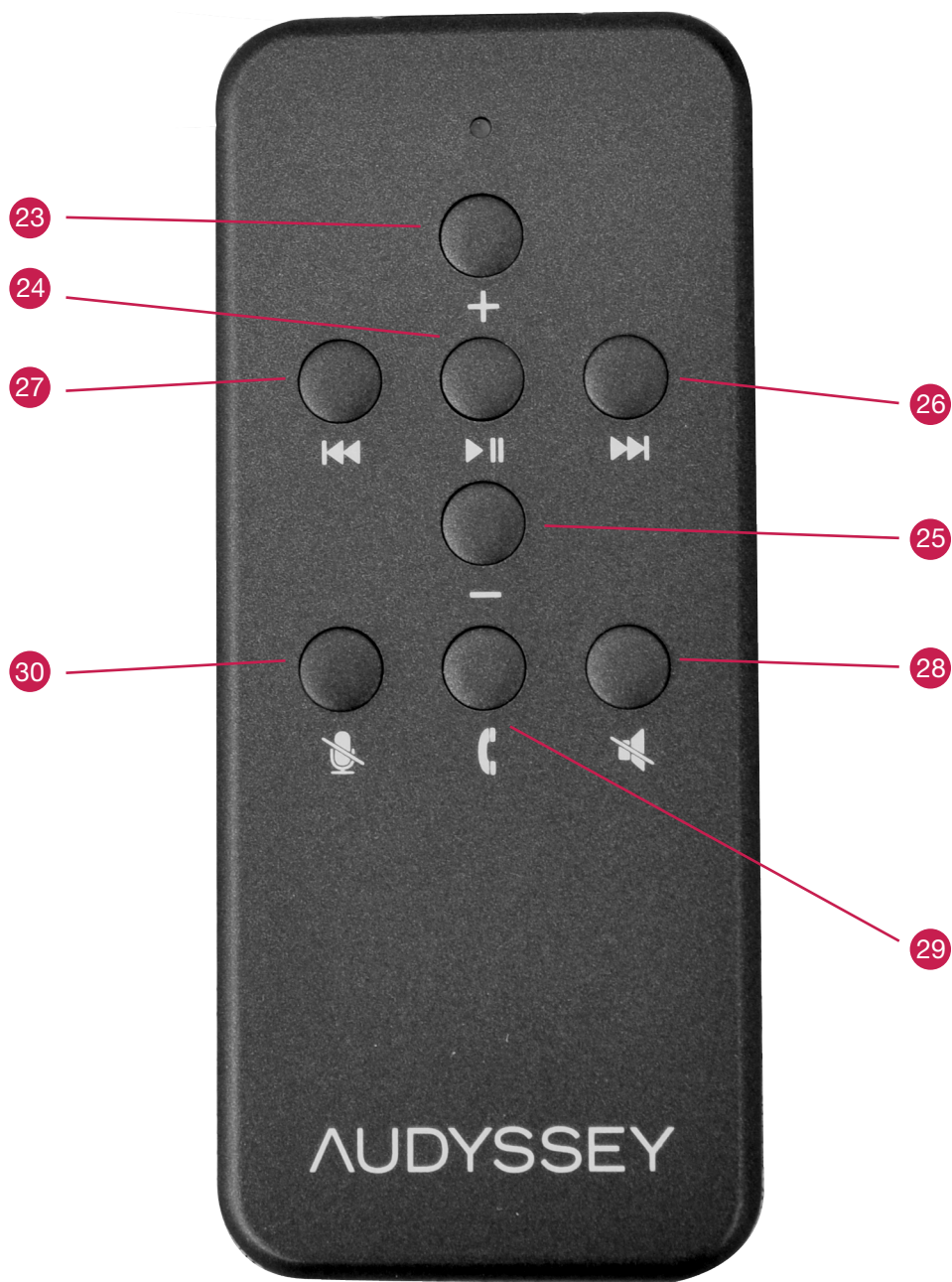
- |  |  |
|--|--|
| 1. Multi-segment volume status indicator | 8. Right-channel tweeter (treble driver)               |
| 2. Play/Pause touch sensor and indicator | 9. Right-channel woofer (bass driver)                  |
| 3. Volume DOWN button                    | 10. Front microphone                                   |
| 4. Volume MUTE button                    | 11. Rubber bumper (adjustable) for resting iPod/iPhone |
| 5. Volume UP button                      | 12. Apple connector port for iPhone/iPod               |
| 6. Left-channel tweeter (treble driver)  | 13. Front infrared remote control receiver             |
| 7. Left-channel woofer (bass driver)     |  |





## Back of the Audio Dock

- 14. On/Off power switch
- 15. Button for pairing with a Bluetooth-equipped device
- 16. AC power input socket
- 17. Microphone audio output (mono)
- 18. Analog auxiliary audio input (stereo)
- 19. USB socket for connecting to your computer
- 20. Rear microphone
- 21. Rear infrared remote control receiver
- 22. USB button (for upgrades)



## Remote Control

- 23. Volume UP button
- 24. Play/Pause button
- 25. Volume DOWN button
- 26. Next-Track button
- 27. Previous-Track button
- 28. Speaker MUTE button
- 29. Phone Button
- 30. Microphone MUTE button



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## Cables

- 31. Power Cable
- 32. USB (Type A) to Mini-USB Cable
- 33. 3.5 mm (1/8-inch) stereo Audio Cable
- 34. 3.5 mm (1/8-inch) stereo Audio Cable

For a detailed snapshot of what every function does, please see Appendix B.



# Setting up the Audio Dock

Connect the Audio Dock's power connector [16] to an AC wall socket using the supplied AC power cable [31] and switch on the power [14]. Notice the LED indicator [1] illuminate and the play/pause touch sensor [2] turn white.

Depending on where you purchased the Audio Dock, its built-in power supply will be factory-programmed either for  $100V_{AC}$ – $120V_{AC}$  (50/60 Hz) or for  $220V_{AC}$ – $240V_{AC}$  (50 Hz) use. The label next to the power receptacle [16] indicates the AC main's voltage operation. If you choose to travel with the Audio Dock, be mindful of the fact that power systems differ around the world.

## Placement Considerations

All loudspeaker systems will sound different when placed in different locations (due to acoustic reflections and other factors). With this in mind, we put a lot of thought, intelligence and research into voicing and tuning the Audio Dock so it will sound great in typical listening situations, right out of the box. All you need to do is plug in and enjoy your music.

### Did You Know?

There's a big difference between high-quality step-up/down transformers and inexpensive travel voltage converters (like those intended for use with electric razors). If you use a travel converter rather than a real transformer, the output voltage will be a severely distorted sine wave, and it'll probably damage the Audio Dock. So if you travel overseas with your Audio Dock, make sure you use a real transformer, not a voltage converter.

### Did You Know?

When you place any loudspeaker in a corner you'll increase the effective bass response? Some people choose to exploit this phenomenon to tailor the natural bass response of their speakers.

# Listening to Music via the Dock Connector

To dock your iPhone/iPod, place it over the connector [12] on the support bracket and push down. You should adjust the rubber bumper [11] to ensure the back of the iPhone/iPod is supported properly—namely, parallel to the Apple dock connector and not pushed away from the front panel or leaning back towards the front panel.

As soon as you dock your iPhone/iPod, the LED array [1] will scroll upwards, after which the Audio Dock will be ready to play. If your iPhone/iPod or the iPhone App on your iPhone was turned off or in pause mode when you docked it, your device will remain paused. If it was playing, it will continue to play.

The Play/Pause sensor on the top of the Audio Dock [2] is a convenient way to control audio from your iPod or the iPod App on your iPhone. In fact, while your iPhone/iPod is docked the Audio Dock's Play/Pause button works interchangeably with your iPhone or iPod's play/pause button.

Audio coming from the Apple 30-pin connector is at a fixed level at all times, regardless of the docked device's headphone output level. (You'll notice the volume functionality on your iPhone or iPod is disabled while it's docked.) This feature allows one of Audyssey's key technologies, Dynamic EQ to work properly. If you want to adjust the playback level up or down, simply use the buttons on the Audio Dock [3, 4, 5] or on the remote [23, 25, 28]. When you undock your iPhone/iPod, your iPhone/iPod will resume playing at the level you set prior to docking.

To move around from track to track or into and out of playlists, simply operate your iPhone/iPod as you would normally—or use the supplied remote [27, 23, 26].

Your iPhone/iPod will charge while it is docked, as long as the Audio Dock is powered on. (But when the Audio Dock is in standby mode, it will not charge the iPhone/iPod.)

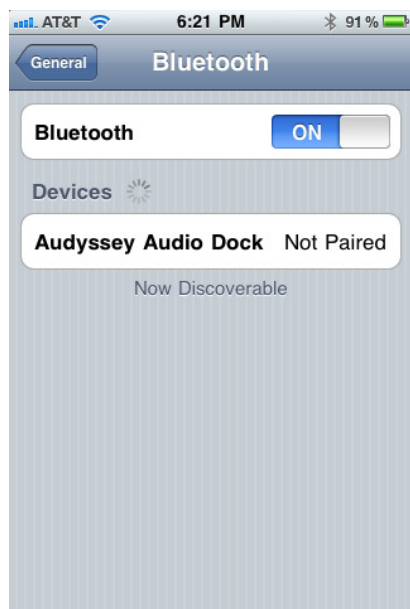
# Bluetooth® Pairing

You can stream music to the Audio Dock from your audio player or computer using Bluetooth. In addition, using Bluetooth allows you to take advantage of the Audio Dock's remarkable speakerphone capabilities.

First, you need to pair your Bluetooth-capable mobile phone, audio player or computer to the Audio Dock.

Press and hold the Bluetooth button [15] on the back panel for 2 seconds. The Play/Pause sensor [2] on the top of the Audio Dock will flash red and white, indicating the unit is in Bluetooth discovery mode. At this point, you can pair your device to the Audio Dock the same way you would pair it to any other device (like a wireless headset). Select "Audyssey Audio Dock" and enter the password: "0000" when prompted.

**Note:** a few seconds may elapse before the Audio Dock appears as "Audyssey Audio Dock" in the device list—it may come up first as "Headset" or similar.



Before Pairing



After Pairing

Once the pairing is complete, the Play/Pause sensor [2] will return to solid-white. You are now able to make speakerphone calls and stream audio to the Audio Dock.

If you have more in-depth questions about Bluetooth pairing, please check out our FAQ.

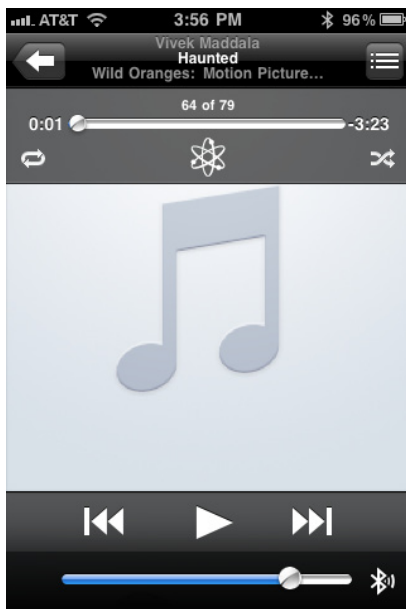


# Streaming Music via Bluetooth®

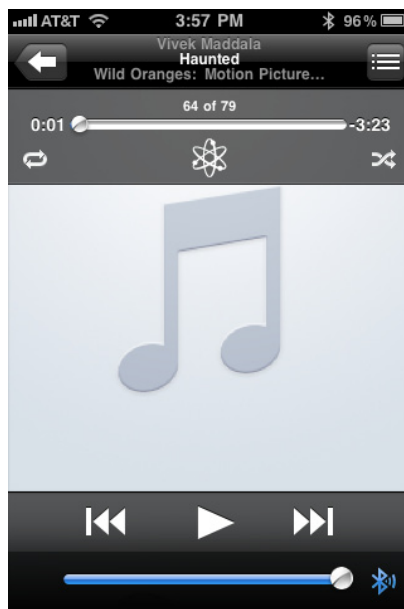
You can stream audio to the Audio Dock from any device equipped with the Bluetooth A2DP profile. Many mobile phones, portable audio players and computers have this capability. If you're unsure whether yours does, please see the owner's manual for your device or Appendix A.

First, make sure you've paired your music player to the Audio Dock using Bluetooth. If you haven't already done this, see the instructions in the Pairing your device with the Audio Dock using Bluetooth section of this manual.

The following demonstration for streaming music to the Audio Dock uses an iPhone as an example. If you're using a different device, your procedure will be similar—but you may need to generalize this specific example.



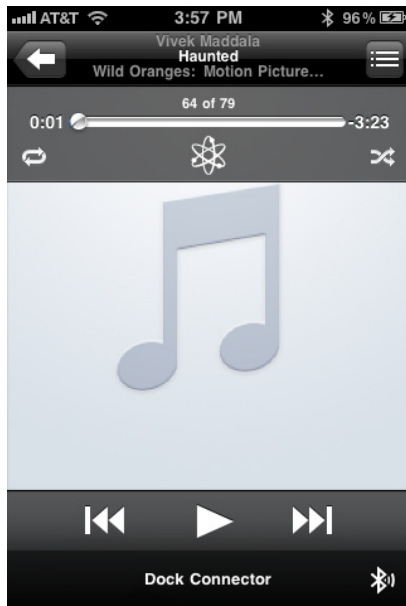
Before Pairing



After Pairing

Here you see an iPhone that has been paired with the Audio Dock, but is not using Bluetooth to play audio. By touching the Bluetooth icon and selecting the Audio Dock from the "Audio Device" list, you will let the iPhone know to stream audio to the Audio Dock via Bluetooth.

Any music you play now will be streamed to the Audio Dock via Bluetooth. You'll notice the volume bar on the iPhone has now turned blue and is set at MAX. The Bluetooth icon to the right of volume bar is also blue, indicating Bluetooth streaming. While it may be possible to adjust the volume bar level down, we recommend leaving it at MAX in order for the Audyssey Dynamic EQ technology to remain calibrated. Instead, adjust the volume using the Audio Dock controls. You may adjust the volume level using the buttons on the Audio Dock [3, 4, 5] or on the remote [23, 25, 28].



When the Dock is Connected

To switch audio streaming from the Apple connector to the wireless Bluetooth connection, just touch the Bluetooth icon and select “Audyssey Audio Dock” from the Audio Device list. This will also allow you to undock your iPhone/iPod without interrupting any audio you’re streaming.

**Note:** When using Bluetooth to stream music wirelessly to the Audio Dock, the Play/Pause sensor [2] is disabled—so you must use your mobile device to control this function. (The one exception is if you’re streaming wirelessly from a docked iPhone/iPod—in which case the Play/Pause sensor functions normally, as do the Play/Pause and previous/next track buttons on the remote.)

**Note:** Different audio sources (iPods, computers, etc.) that use Bluetooth to stream music have their own fixed “data rate” settings. So, if you play the exact same song file wirelessly through the Audio Dock from two different Bluetooth-equipped sources, one may sound significantly better or worse than the other. The Audio Dock will reproduce audio at the highest quality the wireless source device will allow.

### Did You Know?

The Audio Dock goes to eleven! The status indicator [1] on the front of the Audio Dock contains an array of 11 LEDs, representing a total of 49 separate volume levels. That doesn’t necessarily mean we made it “one louder” than ten—but Nigel Tufnel would be proud nonetheless.

# Telephone Calls using the Audio Dock via Bluetooth®

You can make hands-free speakerphone calls on the Audio Dock using your iPhone or other Bluetooth-equipped mobile phone.

First, make sure you've paired your mobile phone to the Audio Dock with Bluetooth. If you haven't done this, jump to the Pairing your device with the Audio Dock using Bluetooth section of this manual.

**Note:** Bluetooth pairing is required to use the Audio Dock's speakerphone.

## Outgoing calls

Now that your phone is paired to the Audio Dock, any outgoing calls you make from your phone will default to the Audio Dock's speakerphone. The front/rear microphones will pick up your voice (and other voices in the room), while the built-in loudspeakers will reproduce the other end of the call.

You can always redirect your phone call from the Audio Dock's speakerphone to your mobile phone for privacy. You can also move calls from your mobile phone to the Audio Dock.

## Incoming calls

When your phone is paired to the Audio Dock, an incoming call will ring through the Audio Dock's amplified loudspeakers. In addition, the Play/Pause sensor [2] will flash red and white periodically, giving you a visual indication of an incoming call.

To answer the call, briefly press the Phone button [29] on the remote. Or you can answer the call by touching and holding the Play/Pause [2] sensor. (You can also answer the incoming call directly on your mobile phone.)

If you'd rather reject the incoming call, press and hold the Phone button [29] on the remote for two seconds. (You can also reject the call using your mobile phone directly.)

**Note:** If your iPhone is docked and you're sending music via the Apple connector, an incoming call will automatically switch your phone to Bluetooth mode (as long as you've already paired it to the Audio Dock). This switching to Bluetooth mode is necessary for you to use the Audio Dock's speakerphone.

### Did You Know?

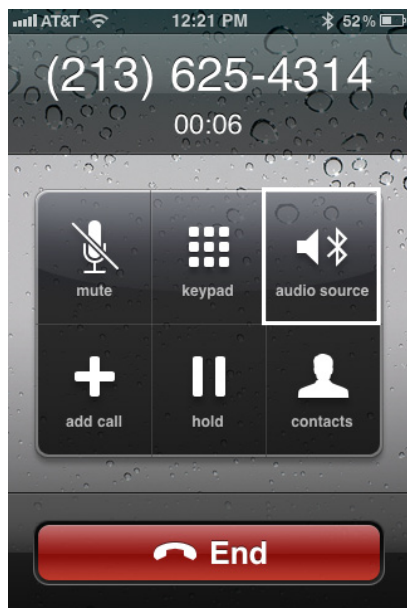
When you receive an incoming call, the Audio Dock will play whatever ringtone you've selected in your phone\*—even if your phone is set to vibrate or silent? The volume level of the ring is a function of where you've set the Audio Dock's telephone volume level—so if you're sleeping and want it to be silent, turn the telephony volume all the way down or hit Mute. If the Audio Dock is in standby mode, it won't ring and the Play/Pause sensor won't flash (but the phone will ring on its own).

*\*If your phone doesn't support in-band ringing, you'll hear a default ringtone generated by the Bluetooth module.*



## Redirecting a call in progress to/from the Audio Dock

If you're on a call and want to redirect it from the Audio Dock to your phone, you can press the Phone button [29] on the remote and hold it for two seconds. (This is also known as "Privacy" function.) If you're using an iPhone, you also have the option of redirecting the call to your iPhone by selecting it in the "audio source" menu of the iPhone.



As You Receive a Call



Options after clicking Audio Source

## Changing the volume and using mute

When you're on a call, adjusting the volume controls on the Audio Dock [3, 5] or remote [23, 25] will change the level of the sound playing out of the amplified loudspeakers on the Audio Dock.

These volume functions will not affect the microphone levels (as the microphone levels are calibrated and automatically adjust for optimum voice quality). However, pressing the Mute button on the Audio Dock [4] or on the remote [30] will mute the microphones.

**Note:** the only way to mute the speakers during a Bluetooth phone call is via the remote [28].

Keep in mind that you also have an independent microphone mute function on your Bluetooth-equipped phone... so it's possible to double mute your call. To avoid confusion, we recommend using either the mute function on your phone or the one activated on the Audio Dock and remote—but not both.

### Did You Know?

The Audio Dock's speakerphone uses two custom-designed microphones, front and back, combined with special digital signal processing for equalization, background noise reduction, and echo reduction. If the party on the other end of your call asks why your voice sounds so clear, you can tell them it's because of Audyssey's Dynamic Voice technology.

# Connecting an External Device using the 3.5 mm (1/8-inch) Analog Stereo Connection

On the back of the Audio Dock, you'll find a 3.5 mm (1/8-inch) stereo auxiliary input jack [17]. You can plug in any line-level audio source here (such as a typical computer's line or headphone output, a CD/DVD player's stereo audio output or a TV/DVR's stereo audio output) to play sound through the Audio Dock. Feel free to use either of the two supplied 3.5 mm (1/8-inch) audio cables [34, 35].

To adjust the volume or mute the sound, use the buttons on the Audio Dock [3, 4, 5] or on the remote [23, 25, 28]. In order to take advantage of Audyssey's Dynamic EQ technology, we recommend you maximize the level of the output signal coming from the source (set the volume at MAX) and make any adjustments to the volume using the Audio Dock controls.

**Note:** When playing audio through the Audio Dock using its analog stereo input, the Play/Pause [2] sensor doesn't control the playing or pausing of your source material.

## Did You Know?

The stereo aux input on the back of the Audio Dock operates simultaneously with the main input, so you can listen to two audio sources at the same time. This way you can listen to music on your docked iPod while still hearing your computer system sounds through the Audio Dock.

# Making and Receiving VoIP Calls

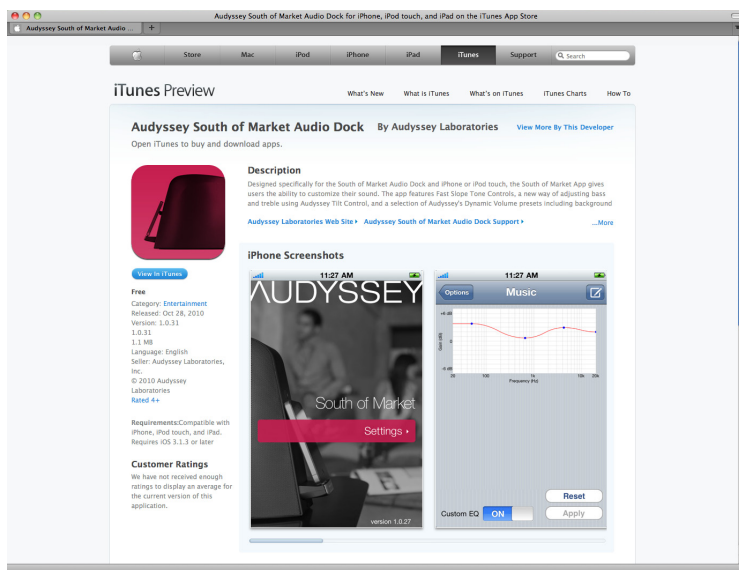
You can connect the Audio Dock to your computer in order to make hands-free VoIP (Voice over Internet Protocol) calls using programs such as Skype™.

Simply connect the microphone audio output jack [18] on the Audio Dock to your computer's microphone/line input using one of the two supplied 3.5 mm (1/8th inch) audio cables [33 or 34]. Then connect the aux input jack [17] on the Audio Dock to your computer's line/headphone output using the other 3.5 mm audio cable [33 or 34]. Now you can use VoIP programs like Skype as you normally would, but with the benefit of the Audio Dock's superior sound quality.

**Note:** The rear microphone on the Audio Dock is not used during VoIP calls, just the front mic. Also, the Audio Dock mutes its microphones when you have an iPod/iPhone docked on the Apple connector [12]. In order to use the Audio Dock's speakerphone for VoIP calls, just make sure you don't have an iPhone/iPod docked.

# iPhone App

Download the Audyssey South of Market Audio Dock iPhone app. The app gives you unprecedented control to customize the sound of the Audio Dock. Use it while your iPhone/iPod is docked. Any changes you make with the iPhone app (like an EQ curve) will be stored in the Audio Dock even after you have undocked your iPhone/iPod.



Activate a number of Audyssey's key audio processing technologies.





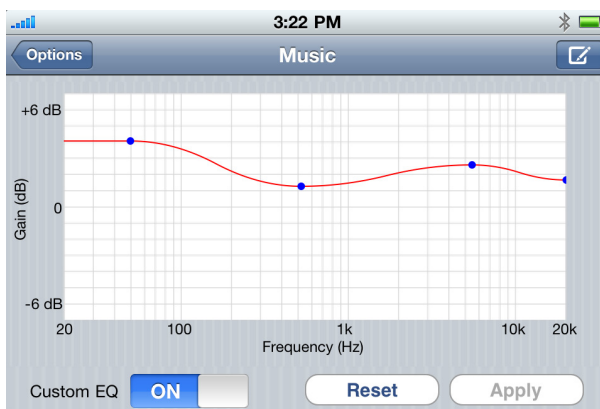
**Audyssey Dynamic Volume:** Automatically controls the level you hear so no content gets too loud or too soft. For movies, audio books and vocals it makes voices more clear and understandable. For music listening, it maintains consistent levels, eliminating the need for continual volume adjustments.

**Audyssey Tilt:** A convenient single control that allows you to solve tonal anomalies in recordings by “tilting” the balance to more highs or more lows. Audyssey developed this new technology and it makes its debut in the Audio Dock.

**Note:** you can “Tilt” a custom EQ curve, too.

**Audyssey Fast Slope Tone:** Allows you to adjust treble and bass using a newly developed method that minimizes interactions to give you better control over just the bass or just the treble.

**Create EQ** curves to control the levels of specific frequency ranges. Name them for storage and easy recall.



### Did You Know?

The South of Market iPhone app allows you to draw EQ curves with the same tool that Audyssey's MultEQ Pro uses. Make adjustments anywhere in the 50-Hz to 20-kHz range simply by tapping on the frequency response plot and dragging curves up or down (to adjust level) and left or right (for different frequencies). You can zoom in or out on the plot for more precise adjustment and use up to 15 points to create your target curve.

# Syncing your iPod or iPhone

While your iPod/iPhone is docked, you can sync it with iTunes on your computer simply by using the supplied USB to Mini-USB cable [32]. Connect the mini side of the cable to Audio Dock's mini-USB port [19] and the other end to an available USB port on your computer. In other words, the Audio Dock can function as a USB pass-through for your iPhone/iPod. It's that simple.

## About the Play/Pause Sensor

The Play/Pause [2] touch sensor on the Audio Dock performs a variety of functions, depending on what you're doing at the moment. You can use it to start and stop playback of music, answer phone calls, and view the status of the Bluetooth pairing. So it gets a lot of mileage on the Audio Dock.

**Note:** Because it's a touch sensor, you don't need to press it in order to activate it. A gentle touch will get the job done. If you have a laptop with a touchpad, then you know how it works. It's an elegant and practical alternative to a mechanical switch.

Please be mindful of the fact that the Play/Pause sensor is sensitive. If you're reaching behind the Audio Dock to activate the Bluetooth button, for example, and your forearm brushes the sensor, it'll probably trigger it. No big deal, but just keep this in mind.

### Did You Know?

Your body's ability to conduct electricity is what makes the Play/Pause sensor work. When you touch the sensor with your finger, the charge stored under your skin changes the electromagnetic fields from the circuit, triggering the Play/Pause sensor. The primary advantage of our capacitance-based touch sensor system is that it won't wear out through long-term use, unlike a traditional mechanical switch.

# Standby Mode—for your iPhone/iPod and for the Audio Dock

You can place your iPod/iPhone in standby mode when it is docked simply by touching the Play/Pause sensor [2] of the Audio Dock for two seconds.

To put the Audio Dock into low-power standby mode, touch and hold the Play/Pause sensor [2] for six seconds. The indicator will turn red to reflect the Audio Dock's standby status. To wake it up, simply touch the Play/Pause sensor again.

**Note:** While the Audio Dock is in standby mode, it won't charge your docked iPod/iPhone. As soon as you wake it up, it will.

## Did You Know?

When the Audio Dock is in standby mode, it draws less than 0.6 Watts of power. Energy conservation is important for creating a sustainable planet—so we encourage you to put the Audio Dock in standby when you're not using it. And if you know you won't be using it for a while, just turn it off via the back panel switch [14].

# Technical Specifications

## Electroacoustic

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Woofers	4" side firing, one each for L and R, long-throw
Tweeters	Silk dome, ¾" angled, one each for L and R
Amplifiers	4-channel PWM Class-D architecture; bi-amped on each side
Crossover	Active, using DSP
Audyssey Technologies	Audyssey EQ for a wide range of program material and installation conditions out of the box Dynamic EQ to maintain the frequency balance at all levels BassXT to extend the low-frequency range beyond the capability of other small-box systems Three user-equalization mechanisms: Tilt control, Fast Slope Tone control and Custom EQ Dynamic Volume to control the volume range of various sources Dynamic Voice to provide clear pickup and echo suppression
Maximum SPL @1m	Approximately 100 dB SPL using fantastic rock-n-roll program material
Microphones	Cardioid (directional), one each for front and rear
Cabinet	Two sealed enclosures

## Physical I/O

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Apple iPhone/iPod	30-pin Apple Docking Connector
Audio	3.5 mm (1/8-inch) stereo input; 3.5 mm(1/8-inch) mono output

## Bluetooth

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Profiles	A2DP, HFP
Pairing Name	Audyssey Audio Dock
Pairing Code	0000

## Power

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Input Voltage	100V <sub>AC</sub> -120V <sub>AC</sub> (50/60 Hz) Factory set based on location 220V <sub>AC</sub> -240V <sub>AC</sub> (50 Hz) Factory set based on location
Power Draw	Quiescent: 15.2 W Max 131.8 W Standby 0.6 W

## Physical

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Dimensions	5" (w) x 9" (d) x 9" (h); 13 cm (w) x 23 cm (d) x 23 cm (h)
Boxed Weight	9 lbs; 4.1 kg



# Audio Technologies Inside

Our innovative audio technologies used worldwide in millions of theaters, homes and cars are packed into the Audyssey Audio Dock to make your iPhone and other devices sound better than you ever expected.

**Audyssey EQ:** We listened and designed under a variety of listening conditions and with lots of program material to get the best octave-to-octave balance, out of the box.

**Audyssey BassXT:** Extends the frequency range into the deeper bass than has ever before been available in such a small footprint.

**Audyssey Dynamic Volume:** controls the level range of program content from different sources, reducing unwanted loudness variations.

**Audyssey Dynamic Voice:** Makes speech more intelligible on phone calls. Uses digital signal processing for optimizing pickup from the two built-in custom cardioid microphones, voice equalization, and reverberation and echo suppression.

**Audyssey Dynamic EQ:** Maintains bass and rich sound at low volumes. Continuously monitors your content to make vocals intelligible and background detail clear at low volumes.

**Audyssey Tilt:** Available for the first time, this control allows you to adjust the overall tonal balance from bass to treble with one slider. Thirty years in the making, only now can the underlying DSP technology, combined with powerful Audyssey software, bring this balancing feature to market. Its primary use is in balancing the variations that occur in program material from source to source.

**Audyssey Fast Slope Tone:** Offered for the first time in a consumer product, these bass and treble controls are different than what you normally find. Each control deals more strictly with its own frequency range, without interaction into the midrange, permitting you to make better adjustments. This type of what engineers call “strongly shelved” tone controls (named for the shape of the curves), complements the Tilt control perfectly.

# Frequently Asked Questions

## **Q. Can the Audio Dock play music from a source other than an iPod /iPhone?**

A. Yes. You can use the 3.5 mm (1/8-inch) aux audio connection for audio devices, such as computers, CD/DVD players or smart phones. Also you can pair any Bluetooth (A2DP) device to stream music wirelessly. If your particular device does not have a 3.5 mm (1/8-inch) stereo jack, you can use an adapter cable corresponding to the connector you have. Just be sure you get a stereo version of the adapter.

## **Q. Can the Audio Dock use batteries?**

A. No. The Audio Dock requires AC power from a wall outlet.

## **Q. Can I use the Audio Dock to sync my iPhone/iPod with iTunes?**

A. Yes. While your iPod/iPhone is docked, sync it with iTunes on your computer by using the supplied USB to Mini-USB cable. Connect the mini side of the cable to Audio Dock's mini-USB port and the other end to an available USB port on your computer. In other words, the Audio Dock can function as a USB pass-through for your iPhone/iPod.

## **Q. I took my iPhone off the dock and the music stopped playing. What happened?**

A. Your music isn't streaming with Bluetooth. When your iPhone/iPod is docked on the Apple connector [12] the iPhone/iPod will default to sending audio through the Apple connector even when you have paired it. To stream wirelessly, just touch the Bluetooth icon and select "Audyssey Audio Dock" from the Audio Device list. This will allow you to undock your iPhone/iPod without interrupting any audio you're streaming.

## **Q. How are you able to get Left/Right-channel stereo separation out of the Audio Dock's unitary body?**

A. The Audio Dock contains side-firing woofers and angled tweeters. We carefully calibrated the drivers' placement and voicing so that frequency and phase relationships remain intact and sound waves emanate outward to create a stereo image. The width of the sound field may vary due to reflections off of nearby surfaces depending on where you've placed the Audio Dock relative to other objects in the room (and the physical dimensions and construction of the room).

**Q. What's the Bluetooth code for pairing?**

A. 0000 (four zeros). For instructions on how to pair your device with the Audio Dock using Bluetooth, please see the Owner's Manual section on Bluetooth pairing.

**Q. How much time do I have to pair my device to the Audio Dock once I've entered Bluetooth pairing mode?**

A. Three minutes. If you don't pair a device within three minutes, the Audio Dock will exit Bluetooth pairing mode. You can exit Bluetooth pairing mode manually simply by holding the Bluetooth button for two seconds while in pairing mode. Once you've paired a device, the Audio Dock will exit Bluetooth mode automatically.

**Q. What's the difference between Bluetooth pairing and establishing a Bluetooth connection?**

A. Pairing means the Audio Dock and your mobile device have been "introduced" to each other. To pair a device, you type in the pairing code (four zeroes). Then you can connect (or reconnect) a paired device without having to enter the pairing code.

**Note:** Any device you've connected to the Audio Dock using Bluetooth will be disconnected by entering pairing mode (but it'll still be paired). Only one device at a time can be connected to the Audio Dock, but up to five devices can be paired.

**Q. I lost my remote control. What can I do?**

A. Visit [www.audyssey.com/support](http://www.audyssey.com/support)

**Q. Can I adjust the Audio Dock's tonal balance (equalization)?**

A. Yes. Out of the box, you'll find that the Audio Dock reproduces audio extremely accurately. However, if you'd like to tweak the sound to your individual preference, use the powerful South of Market iPhone/iPod app.

**Q. How do I get the South of Market iPhone app?**

A. The app is available on the iTunes app store. You can also find it by searching under "Audyssey" or the app's name, "South of Market."

**Q. How do I adjust the rubber backrest on the Audio Dock so that my iPhone/iPod rests against it properly?**

A. Rotating the rubber bumper clockwise moves it inward, and rotating it counter-clockwise moves it outward. A quick visual inspection of how your iPhone/iPod rests against the rubber bumper will serve as your best guide for adjusting it. Please ensure that the bumper does not push on the iPhone/iPod when the device is docked, stressing the Apple Dock connector.

**Q. Can I use the audio output jack on the back of the Audio Dock to send sound to an external device (like an A/V receiver)?**

A. No. You can't send audio (other than from the microphone output) from a docked device or a Bluetooth-paired device to the audio output jack.

**Q. Why does the Audio Dock's volume level change when I power it off and then on again?**

A. When you first power on the Audio Dock, the volume will play at a moderate level (indicated as level five by the front LED array). If you change the volume and leave it at the new level for at least one minute, the next time you turn on the power, the volume will be at the new level. If you change the volume and cycle the power less than one minute later, the volume will reset to level five when it powers on. (In general: if you adjust the volume to any level and leave it in place for one minute or more, the Audio Dock will retain that level.)

**Q. Is it easy to mount the Audio Dock on a wall?**

A. No. We did not intend for the Audio Dock to be mounted on a wall.

**Q. How do I install/replace the battery in the remote control?**

A. The Audio Dock's remote uses a 3VDC, 220-mAh lithium watch battery (CR2032). This battery is included with every Audio Dock remote. To install the battery, place a coin in the remote's back cover slot and rotate counter-clockwise a quarter turn. Pop open the lid. Place the new battery with the "+" terminal so it will face the lid when closed. Replace the lid, inserting it into the grooves, and rotate a quarter turn clockwise.

**Q. Why can't I adjust the volume on my iPhone/iPod when it's connected to the Audio Dock?**

A. When you dock your iPhone/iPod on the Apple dock connector, the Audio Dock automatically sets the volume on your iPhone/iPod to a prescribed fixed level, regardless of its setting prior to docking. (You'll notice the volume functionality on your iPhone/iPod is disabled while it's docked.) This feature allows one of Audyssey's key technologies, Dynamic EQ, to work properly. If you want to adjust the playback level up or down, simply use the volume buttons on the Audio Dock or on the remote. Once you undock your iPhone/iPod, it will return its level to wherever you left it prior to docking.

**Q. Why do some audio tracks play louder than others?**

A. There is no loudness standard for mixing music or other audio material. Different genres of music are mixed with different loudness references. Further, mixing/mastering engineers have trended over the years toward creating material that sounds louder and louder. If you listen to a song recorded in the 1960s and then immediately follow it with one recorded last year, you'll probably find the latter song is much louder. If this is a problem for you, we've created a solution called Audyssey Dynamic Volume. It's a technology that intelligently adjusts the level so that you won't have to ride the volume continually. You can enable it in the Audio Dock using the iPhone/iPod app.



**Q. Sometimes the Bluetooth music streaming or telephone functions operate from further away than at other times. Why?**

A. All wireless devices are susceptible to interference from other devices—which can cause variable performance. For a quick summary of causes and solutions, this may be a good resource.

**Q. When I stream music to the Audio Dock using Bluetooth from my laptop or smart phone, the sound is not as good as when I use the Aux input or my docked iPhone/iPod. Why?**

A. All audio sources that use Bluetooth to stream music (iPhones, computers, etc.) have their own fixed data rate settings for Bluetooth A2DP transmission. So, if you play the exact same song file wirelessly through the Audio Dock from two different Bluetooth-equipped sources, the sound quality may be significantly better or worse in one. The Audio Dock will reproduce audio at the highest quality the wireless source device will allow. In other words, if you hear poor sound quality during Bluetooth audio streaming, the problem is with the audio source, not the Audio Dock.

**Q. I paired my iPhone with the Audio Dock and then walked out of range. When I came back, I wasn't able to take calls through the Audio Dock. What happened?**

A. Even if you've already paired your iPhone with the Audio Dock, you may have to reconnect manually every time you leave and come back into range. (That's just how Bluetooth works.) A paired device will show up in your iPhone list of devices—but it must also indicate “connected” in order to communicate.

**Q. Why doesn't the Play/Pause touch sensor work when I'm streaming music wirelessly to the Audio Dock using Bluetooth?**

A. The Play/Pause touch sensor can only play and pause devices connected to the Apple dock connector—i.e., the physical connection made when you dock your iPod/iPhone. So when you're not docked and streaming music wirelessly, there's no mechanism by which the Play/Pause touch sensor can control the playback transport of your wireless device.

**Q. Can I use the Audio Dock for VoIP calls?**

A. Yes. You can use it with VoIP applications on your computer. See the owner's manual section on VoIP for details. Otherwise, you'll need to pair the Audio Dock to a mobile phone using Bluetooth in order to take advantage of the Audio Dock's speakerphone.

**Q. I got a horrible loud whine sound when I connected the line output of the Audio Dock to my computer's mic/line input to make a VoIP call. What's going on?**

A. That's feedback. Your computer's loudspeakers are playing sound into the Audio Dock's microphone and the Audio Dock is “feeding back” that same signal to your computer's loudspeakers, which are playing it back to the Audio Dock's microphone, which is feeding back to...you get the idea. The horrible whine is the

sound of the signal spiraling out of control. The solution is to use the Audio Dock speakers for playback rather than your computer's speakers, because we've calibrated the Audio Dock microphone-speaker system to ensure you won't get feedback. Simply connect the second of the two supplied 3.5 mm (1/8-inch) cables from your computer's headphone output to the Audio Dock's Aux input. You should not experience that horrible whine any longer.

**Q. What does the USB button on the back of the Audio Dock do?**

A. This button on the back of the Audio Dock is for upgrades and future computer/Audio Dock communication. Right now it does nothing, except if you want to reset your Audio Dock to its factory-programmed settings.

**Q. How do I reset my Audio Dock to its factory-programmed settings?**

A. You can perform a factory reset by pressing and holding for five seconds the Bluetooth and USB buttons on the back of the Audio Dock simultaneously. You will see the LEDs flash, indicating it is resetting. If you've programmed an EQ change into the Audio Dock via the South of Market iPhone app, it will now be reset to "flat," but the EQ curve will remain in your iPhone app in case you'd like to enable it for future use.

**Q. Does it make sense to use the Audio Dock with my iPad?**

A. While you can stream material wirelessly from your iPad to the Audio Dock using Bluetooth, we didn't design the Audio Dock physically for use with the iPad. Therefore, we don't recommend it.

**Q. I think my Audio Dock may be broken or faulty. What do I do?**

A. Visit: [www.audyssey.com/support](http://www.audyssey.com/support)

**Contact**

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# Appendix A: Common Devices and Their Capabilities

Device	Audio	Audio	Telephony	Audio	Third-party VOIP (e.g., Skype)
iPhone 4	Yes	Yes	Yes	Yes	No
iPhone 3GS	Yes	Yes	Yes	Yes	No
iPhone 3G	Yes	Yes	Yes	Yes	No
iPod touch 4 <sup>th</sup> generation	Yes	Yes	N/A	Yes	No
iPod touch 3 <sup>rd</sup> generation	Yes	Yes	N/A	Yes	No
iPod touch 2 <sup>nd</sup> generation	Yes	Yes	N/A	Yes	No
iPod touch 1 <sup>st</sup> generation	Yes	No	N/A	Yes	No
iPod nano 5 <sup>th</sup> generation	Yes	No	N/A	Yes	No
iPod nano 4 <sup>th</sup> generation	Yes	No	N/A	Yes	No
iPod classic	Yes	No	N/A	Yes	No
Dell Streak, Samsung Galaxy Tab, and other devices using Android v. 1.5	No	Yes	Yes	Yes	**
Blackberry Bold, Storm, Tour, etc.	No	Yes	Yes	Yes	**
Apple Macintosh computers	No	Yes	No	Yes	Yes
Devices with Palm OS	No	Yes	Yes	Yes	**
Devices with Palm webOS	No	Yes	Yes	Yes	**
Cell phones and other portable devices using Symbian Series60	No	Yes	Yes	**	**
Sony Ericsson P800, P900, P910, P990, M600, W950, P1, W960, G700, G900	No	Yes	Yes	Yes	No
BenQ P30, P31	No	Yes	Yes	Yes	No
Arima U300, U308	No	Yes	Yes	Yes	No
Nokia 6708	No	Yes	Yes	Yes	No
Motorola A920, A925, A1000, M1000, Z8, Z10	No	Yes	Yes	Yes	No
PCs running Windows XP, Windows Vista, or Windows 7	No	Yes	No	Yes	Yes
Other Bluetooth-equipped telephones	No	No	Yes	**	**

\*\* Note: These devices change continually, so we recommend you consult the owner's manual for your mobile device to determine its functional compatibility with the Audio Dock.

-  30-pin Connector
-  Bluetooth Wireless
-  3.5mm Stereo Analog
-  3.5mm Mono Analog

## Appendix B: Functional Snapshot on the Audio Dock




Button or Display	Action or Indicator	Audio Listening	Audio Listening	Telephony	Audio Listening	Notes
PLAY/PAUSE touch sensor [2]	Touch momentarily	Toggles between playing and pausing audio or video material (e.g., music)	If docked: toggles between playing and pausing audio or video material (e.g., music); if undocked, this button does nothing	N/A	N/A	
	Hold it for 2 seconds	Puts the docked device in standby mode	Puts the docked device in standby mode	Answers or hangs up phone calls	N/A	
	Hold it for 6 seconds	Puts the Dock into low-power standby mode				Touch the Play/Pause sensor momentarily to wake up the Dock
Front Audyssey button	Press LEFT side [3]	Decreases the sound level coming out of the Dock's loudspeakers				Microphone level is fixed
	Press RIGHT side [5]	Increases the sound level coming out of the Dock's loudspeakers				
	Press CENTER of button [4]	Mutes the audio coming out of the loudspeakers, while the source continues playing	Mutes the audio, while the source continues playing	Mutes the MICROPHONES on the Dock	Mutes the audio, while the source continues playing	During phone mode, there is no speaker mute
USB button [22]	Pressing		Data button for upgrades			
Bluetooth button [15]	Press and hold 2 seconds		Puts Dock in pairing mode			
PLAY/PAUSE indicator [2]	Solid white	Dock is accepting audio	Dock is accepting audio	Phone call is active	Dock is accepting audio	
	Rapidly flashing red/white	In Bluetooth pairing mode	In Bluetooth pairing mode	Call is coming in	In Bluetooth pairing mode	
Front-face LED array [1]	Solidly illuminated		Indicates volume level at present			
	Scrolls up	Dock is making connection with iPhone/iPod			N/A	
	Scrolls down	Dock is disconnecting with iPhone/iPod			N/A	
Red LED at bottom of array	Slow, glowing flash	Dock loudspeakers and microphones are muted				
	Solid red	Dock loudspeakers and microphones are muted				
	Fast flash	Dock microphones are muted				

- ☐ 30-pin Connector
- ☐ Bluetooth Wireless
- ☐ External Audio Source



## Appendix B (cont): Functional Snapshot on the Remote Control

Button	Action or Indicator	Audio Listening	Audio Listening	Telephony	Audio Listening	Notes
Plus		Increases the sound level coming out of the Dock's loudspeakers				
Minus		Decreases the sound level coming out of the Dock's loudspeakers				
Play/Pause	Press momentarily	Toggles between playing and pausing audio or video material (e.g., music)	Same thing: so long as it's docked; if undocked, this button N/A	N/A	N/A	
	Hold it for 2 seconds	Puts the Audio Dock into low-power standby mode			Answers or hangs up phone calls	
	Press momentarily twice	Wakes up unit from standby mode		N/A	N/A	
Left	Press momentarily	Previous track	Same thing so long as it's docked	N/A	N/A	
Right	Press momentarily	Next track	Same thing so long as it's docked	N/A	N/A	
Mic mute	Press momentarily	N/A	N/A	Mutes mic	N/A	
	Press longer	N/A	Pauses iPhone playback (sends "stop" command to Bluetooth audio source)	N/A	N/A	Does not restart music when Mic Mute is held again
Phone	Press momentarily	N/A	N/A	Answers an incoming call or ends a call in progress	N/A	
	Press longer	N/A	N/A	Rejects an incoming call	N/A	
	Press longer during an active call	N/A	N/A	Toggles between Audio Dock and iPhone (i.e., "Privacy" mode)	N/A	
Speaker mute	Press momentarily	Mutes loudspeaker	Mutes loudspeaker	N/A	Mutes loudspeaker	Can't mute the Audio Dock speakers when using the speakerphone

-  30-pin Connector
-  Bluetooth Wireless
-  External Audio Source