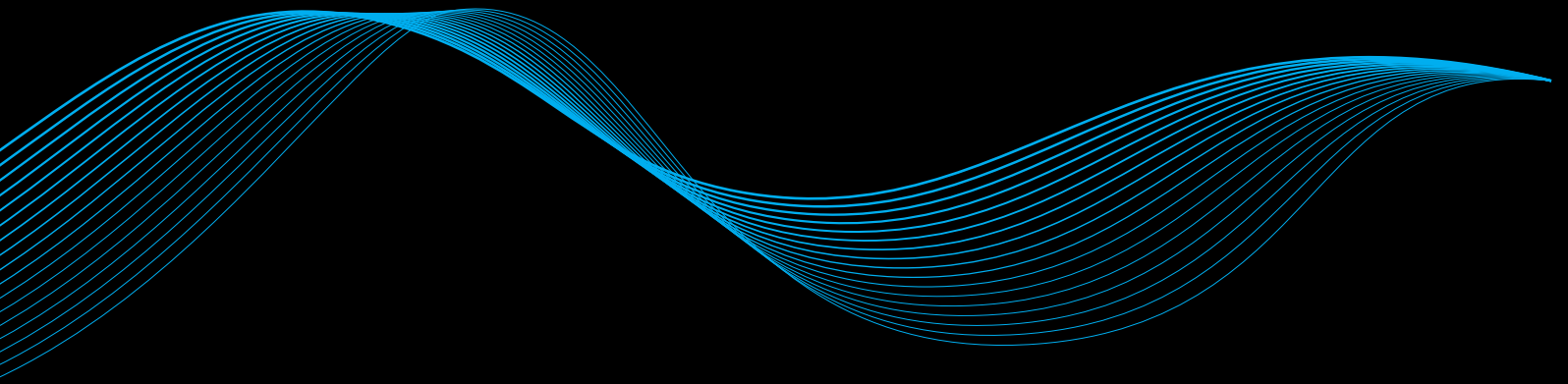




**AIRFONIX**<sup>TM</sup>  
REDEFINING WIRELESS AUDIO



 **IT'S TIME TO GO WIRELESS.**



Home Theater



Banquets/Conferences



Backyard/Patio



Houses of Worship



Mobile Events/DJs

# *Imagine...*

being able to take any wired audio system and make it wireless. The freedom of being able to put speakers anywhere in a house, recording studio, conference room or outdoor venue without having to run wiring can now be a reality. In past years, wireless audio has had a reputation of not delivering the best sound quality. That may have been the case for other wireless solutions, but not for Airfonix™ wireless audio products. Airfonix marks the beginning of a new era in wireless audio where sound quality no longer has to be sacrificed in order to achieve the freedom of wireless speakers.

Airfonix products offer several unique features that set them apart from other wireless audio products. Airfonix products are designed to mount neatly to any passive or active speaker thereby bringing the freedom of wireless capability to any wired audio system. The products are completely weatherized making them ideal for indoor or outdoor use. They deliver uncompressed, 24-bit wireless HDTV-compliant audio at 48-KHz sampling rate to both passive and active speakers. Airfonix products boast Smart Channel capability, an innovative technology that automatically searches for and selects an un-congested wireless channel, making the products virtually impervious to interference from other co-located wireless equipment. The result is clean, true HDTV audio delivered wirelessly with the industry's most sophisticated transmission system developed especially for the stringent demands of professional users and audiophiles. Because of Smart Channel technology and the ability to deliver 24-bit uncompressed digital audio, even the most demanding professional user will be able to experience the flexibility and set-up time savings that Airfonix wireless audio products offer without having to worry about any dropped signals or loss of audio quality.

# AFX-19IP001 / AFX19IW001

The "Dock-4-PC" features USB 2.0 ports, DVI connection for external displays, Line-In, Mic-In, and an Apple® iPod® dock.

**NEW!**



## Product Description

The Airfonix Dock-4-PC is aiming to revolutionize the concept of a personal computer docking device. The Dock-4-PC will not only bring unprecedented convenience to a user's personal computing experience, but will also enhance their experience through the included Airfonix-quality audio and video features. The AFX-19IP001 features a built-in Airfonix two-channel transmitter, bringing Airfonix professional wireless audio quality to the personal computer. Paired with the proper Airfonix active or passive wireless receivers, the personal computer system can now gain the freedom of wireless speakers in addition to the ability to use high-quality active or passive speaker systems. For PC users that don't require this functionality, the Airfonix transmitter-free Dock-4-PC model AFX-19IW001 can be purchased instead.

## Key Features

- Apple® iPod® dock charges and syncs via dock connector
- Dual-band 2.4/4.9-5.8 GHz operation
- Smart Channel selection automatically avoids interference with other wireless equipment in the home
- Built-in volume control
- Three built-in USB ports
- DVI Connection for output to external display
- Sleek, slim design looks great on any desk
- Streams audio to any Airfonix receiver
- Play videos from your iPod onto your TV
- IR remote control unit for volume, audio, and iPod
- Front mounted buttons and controls for clear visibility of key functions
- Perfect for the home or office
- DC Adapter (+12V/2A)
- FCC and CE Certified
- Factory-programmable world-wide license-free bands allow one product design to meet the requirements of multiple markets (see table below)



## World-wide License-Free Bands

<b>MPHPT</b> (Japan)	2400-2483 MHz 5150-5250 MHz	4900-5000 MHz
<b>FCC</b> (N. America)	2400-2483 MHz 5725-5850 MHz	5150-5250 MHz
<b>CEPT</b> (Europe)	2400-2483 MHz	5150-5250 MHz
<b>CRSA</b> (China)	2400-2483 MHz	5725-5850 MHz



With iPod Connected

**AFX-19IP001 - Front View**



**Specifications**

Features	Performance
Dimensions	Width: 158mm, Height: 51mm, Depth: 131mm
Weight	0.66KG
Inputs	Apple® iPod® dock connector 3 USB 2.0 Specification Ports Microphone-in (3.5 Stereo microphone jack) Audio Line-in (3.5 Stereo microphone jack) IR sensor in (internal IR sensor and external IR connector)
Outputs	SMA connectors (for RF dual-band antennas) Audio Line-Out DVI-I Video Out (DVI 1.0 compliant, Host Interface USB 2.0)
Audio	S/N A-Weighted better than 65dB @ 1Woutput Channel separation better than 60dB Frequency response +/- 0.5dB 20 Hz to 20 KHz THD less than 0.1%
Wireless Transmitter Section RF Performance	License-free bands
Frequency of Operation	20 MHz
Channel Spacing	20 dBm, typical
Transmitter RF Output Power	Up to 100m for line-of-sight applications
Range	
Wireless Audio Quality	
Pulse-code Modulation (PCM) bits	Up to 24-bits per channel for stereo, compatible with 16-bits stereo
Sampling rates	Accepts 44.1 and 48 kHz
Frequency offset	Less than one audio sample, or 22 µs, delay between links independent left and right receivers
Remote Control	IR Remote Control controls iPod and other dock functions.
RF Latency	10 ms
Security	6 Bytes (48 bits) of IEEE 802.3-like MAC address
Operating Temperature	0 to +40° C
Certification	FCC and CE Certified
Accessories	Universal power supply, Dual-band antenna

**AFX-19IP001 - Top View**



**AFX-19IP001 - Bottom View**



**AFX-19IP001 - Remote Control**



# AFX-19PT102

Two-Channel Transmitter with RCA Line-in,  
Dual High-Level Input Jacks and S/PDIF Input



## Product Description

Airfonix™ AFX-19PT102 is a wireless two-channel transmitter specifically designed for the audio professional. It features two-way S/PDIF coaxial/optical and high-level input source connectivity transmission. AFX-19PT102 provides wireless connectivity transmission from any audio source to any active or passive Airfonix receiver to create a complete wireless professional audio system with unparalleled sound quality.

## Key Features

- Smart Channel selection automatically avoids interference with other wireless equipment in the home
- Dual-band 2.4/4.9-5.8 GHz operation
- Two-way S/PDIF coaxial/optical and high-level input source connectivity transmission
- Rugged weatherized industrial aluminum die cast chassis designed to be used for outdoor applications
- Perfect for wireless conductivity transmission from any audio source to any active or passive Airfonix receiver
- Universal power supply
- FCC and UL-CE approved
- Full function wireless remote control
- 4-color display packaging
- Compact size and Euro styling compliments any usage environment
- Supports S/PDIF digital audio interface for system design flexibility
- One transmitter simultaneously streams high-quality digital audio to two full-range speakers
- Factory-programmable world-wide license-free bands allow one product design to meet the requirements of multiple markets (see table below)
- User-friendly solution requires no firmware drivers or setup

## Applications

- Home Theater
- Mobile Events/DJs
- Concert Halls
- Amphitheaters
- Recording Studios
- Auditoriums
- Hotels/Resorts
- Corporate Campuses
- Houses of Worship

### World-wide License-Free Bands

<b>MPHPT</b> (Japan)	2400-2483 MHz 5150-5250 MHz	4900-5000 MHz
<b>FCC</b> (N. America)	2400-2483 MHz 5725-5850 MHz	5150-5250 MHz
<b>CEPT</b> (Europe)	2400-2483 MHz	5150-5250 MHz
<b>CRSA</b> (China)	2400-2483 MHz	5725-5850 MHz



**AFX-19PT102 - Front View**



**AFX-19PT102 - Top View**



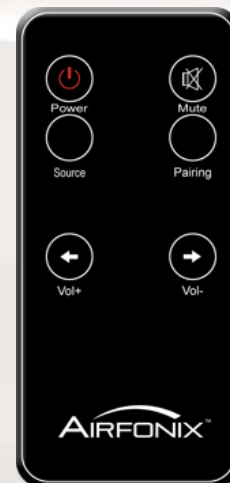
**AFX-19PT102 - Bottom View**



**Specifications**

Features	Performance
Dimensions	Width: 158mm, Height: 51mm, Depth: 85mm
Weight	0.35 Kg, 0.77 lbs
Inputs	RCA line in, Dual High-level input (spring terminal), and coaxial/optical S/PDIF
RF Performance	
Frequency of Operation	License-free bands (see table)
Channel Spacing	20 MHz
Transmitter Output Power	15 dBm, typical
Range	50m minimum for one-room applications, up to 100m for line-of-sight applications
Audio Quality	
Pulse-code Modulation (PCM) bits	Up to 24-bits per channel for stereo, compatible with 16-bits stereo
Sampling rates	Accepts 44.1 and 48 kHz
Frequency offset	Less than one audio sample, or 22 $\mu$ s, delay between links independent left and right receivers
RF Latency	9 ms
Remote Control	Pairing, power, volume, source select, mute
Security	6 Bytes (48 bits) of IEEE 802.3-like MAC address
Operating Temperature	0° to +60° C
Certification	UL/ULC/CE Certified
Accessories	Universal power supply, antenna, stand
Packaging	4-color display box

**AFX-19PT102 - Remote Control**



**AFX-19PT102**

# AFX-19PT002

Two-Channel Transmitter with  
Dual Balanced Input Jacks



## Product Description

Airfonix™ AFX-19PT002 is a wireless two-channel transmitter specifically designed for the audio quality and durability needs of audio professionals. It features balanced and low-level input source connectivity transmission. AFX-19PT002 provides wireless connectivity transmission from any audio source to any active or passive Airfonix receiver to create a complete wireless professional audio system with unparalleled sound quality.

## Key Features

- Smart Channel selection automatically avoids interference with other wireless equipment in the home
- Dual-band 2.4/4.9-5.8 GHz operation
- Balanced and low-level input source connectivity transmission output
- Rugged weatherized industrial aluminum die cast chassis designed to be used for outdoor applications
- Perfect for wireless conductivity transmission from any audio source to any active or passive Airfonix receiver
- Universal power supply
- FCC and UL-CE approved
- Full function wireless remote control
- 4-color display packaging
- Compact size and Euro styling compliments any usage environment
- One transmitter simultaneously streams high-quality digital audio to two full-range speakers
- Factory-programmable world-wide license-free bands allow one product design to meet the requirements of multiple markets (see table below)
- User-friendly solution requires no firmware drivers or setup

## Applications

- Recording Studios
- Mobile Events/DJs
- Concert Halls
- Amphitheaters
- Auditoriums
- Hotels/Resorts
- Corporate Campuses
- Houses of Worship

### World-wide License-Free Bands

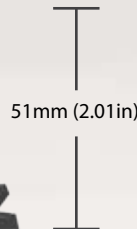
<b>MPHPT</b> (Japan)	2400-2483 MHz 5150-5250 MHz	4900-5000 MHz
<b>FCC</b> (N. America)	2400-2483 MHz 5725-5850 MHz	5150-5250 MHz
<b>CEPT</b> (Europe)	2400-2483 MHz	5150-5250 MHz
<b>CRSA</b> (China)	2400-2483 MHz	5725-5850 MHz



**AFX-19PT002 - Front View**



**AFX-19PT002 - Top View**



**AFX-19PT002 - Bottom View**



**Specifications**

Features	Performance
Dimensions	Width: 158mm, Height: 51mm, Depth: 85mm
Weight	0.35 Kg, 0.77 lbs
Inputs	RCA line in, XLR balanced IN
RF Performance	
Frequency of Operation	License-free bands (see table)
Channel Spacing	20 MHz
Transmitter Output Power	15 dBm, typical
Range	50m minimum for one-room applications, up to 100m for line-of-sight applications
Audio Quality	
Pulse-code Modulation (PCM) bits	Up to 24-bits per channel for stereo, compatible with 16-bits stereo
Sampling rates	Accepts 44.1 and 48 kHz
Frequency offset	Less than one audio sample, or 22 $\mu$ s, delay between links independent left and right receivers
RF Latency	9 ms
Remote Control	Pairing, power, volume, source select, mute
Security	6 Bytes (48 bits) of IEEE 802.3-like MAC address
Operating Temperature	0° to +60° C
Certification	UL/ULC/CE Certified
Accessories	Universal power supply, antenna, stand
Packaging	4-color display box

**AFX-19PT002 - Remote Control**



**AFX-19PT002**

# AFX-19AR050

Active 50W Mono/25+25W Stereo  
Wireless Receiver



## Product Description

Airfonix™ AFX-19AR050 is a rugged wireless receiver with a built-in 50W RMS digital amplifier. It is designed to retrofit any indoor or outdoor passive speaker requiring up to 100W of power. When paired together with an Airfonix wireless transmitter, AFX-19AR050 creates a complete wireless professional audio system.

## Key Features

- Smart Channel selection automatically avoids interference with other wireless equipment in the home
- Analog gold plated 5-way binding post output connectivity
- Dual-band 2.4/4.9-5.8 GHz operation
- Analog gold plated banana speaker jack output connectivity
- Rugged weatherized industrial aluminum Die cast chassis designed to be used for outdoor applications
- Wireless conductivity eliminates need to hard wire speakers up to 50 meters away
- Universal power supply
- FCC and UL-CE approved
- 4-color display packaging
- Compact size and Euro styling compliments any usage environment
- Supports S/PDIF digital audio interface for system design flexibility
- One transmitter simultaneously streams high-quality digital audio to two full-range speakers
- Factory-programmable world-wide license-free bands allow one product design to meet the requirements of multiple markets (see table below)
- User-friendly solution requires no firmware drivers or setup

## Applications

- Home Theater
- Mobile Events/DJs
- Concert Halls
- Amphitheaters
- Recording Studios
- Auditoriums
- Hotels/Resorts
- Corporate Campuses
- Houses of Worship

## World-wide License-Free Bands

<b>MPHPT</b> (Japan)	2400-2483 MHz 5150-5250 MHz	4900-5000 MHz
<b>FCC</b> (N. America)	2400-2483 MHz 5725-5850 MHz	5150-5250 MHz
<b>CEPT</b> (Europe)	2400-2483 MHz	5150-5250 MHz
<b>CRSA</b> (China)	2400-2483 MHz	5725-5850 MHz



**AFX-19AR050 - Front View**



**AFX-19AR050 - Top View**



**AFX-19AR050 - Bottom View**



**AFX-19AR050 - Docked to Passive Speaker**



**Specifications**

<b>Features</b>	<b>Performance</b>
<b>Dimensions</b>	Width: 158mm, Height: 51mm, Depth: 131mm
<b>Weight</b>	0.55 Kg, 1.21 lbs
<b>Outputs</b>	5-way binding posts
<b>Digital Amplifier Rating</b>	
<b>MONO Mode</b>	50 watts RMS/mono at less than 1%THD rated at 20 to 20 KHz
<b>Stereo Mode</b>	25 watts RMS/ch at less than 1%THD rated at 35 to 20KHz
<b>RF Performance</b>	
<b>Frequency of Operation</b>	License-free bands (see table)
<b>Channel Spacing</b>	20 MHz
<b>Transmitter Output Power</b>	15 dBm, typical
<b>Range</b>	50m minimum for one-room applications, up to 100m for line-of-sight applications
<b>Audio Quality</b>	
<b>Pulse-code Modulation (PCM) bits</b>	Up to 24-bits per channel for stereo, compatible with 16-bits stereo
<b>Sampling rate</b>	Accepts 44.1 and 48 kHz
<b>THD+N/SNR @ Analog I/O</b>	Tx to Rx, THD+N = 0.4% (25W)
<b>Frequency offset</b>	Less than one audio sample, or 22 $\mu$ s, delay between links independent left and right receivers
<b>Frequency response</b>	20Hz~20KHz +/-0.5dB
<b>S/N</b>	A-weighted better than 90dB@full scale
<b>RF Latency</b>	9 ms
<b>Security</b>	6 Bytes (48 bits) of IEEE 802.3-like MAC address
<b>Operating Temperature</b>	0° to +60° C
<b>Certification</b>	UL/ULC/CE Certified
<b>Accessories</b>	Universal power supply, antenna, weather shield, stand
<b>Packaging</b>	4-color display box

**AFX-19AR050**

# AFX-19PR001

Passive Dual-Channel Wireless Receiver  
with Dual Balanced Output



## Product Description

Airfonix™ AFX-19PR001 is a rugged, dual-channel wireless receiver featuring balanced and low-level source connectivity reception and output. It is designed to retrofit any active speaker or studio monitor to enable wireless reception of uncompressed, 24-bit digital audio. When paired together with an Airfonix wireless transmitter, the AFX-19PR001 creates a complete wireless professional audio system.

## Key Features

- Smart Channel selection automatically avoids interference with other wireless equipment in the home
- Balanced and low-level source connectivity reception and output
- Dual-band 2.4/4.9-5.8 GHz operation
- Rugged weatherized industrial aluminum die cast chassis designed to be used for outdoor applications
- Perfect for wireless conductivity from any audio source to any active and/or studio monitor speaker
- Universal power supply
- FCC and UL-CE approved
- Full function remote control
- 4-color display packaging
- Compact size and Euro styling compliments any usage environment
- One transmitter streams high-quality digital audio to two full-range speakers
- Factory-programmable world-wide license-free bands allow one product design to meet the requirements of multiple markets (see table below)
- User-friendly solution requires no firmware drivers or setup

## Applications

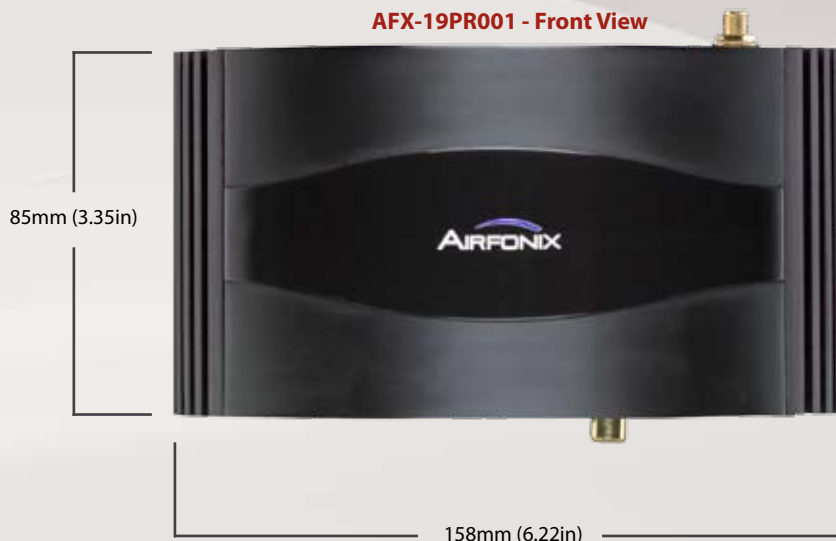
- Recording Studios
- Mobile Events/DJs
- Concert Halls
- Amphitheaters
- Auditoriums
- Hotels/Resorts
- Corporate Campuses
- Houses of Worship

### World-wide License-Free Bands

<b>MPHPT</b> (Japan)	2400-2483 MHz 5150-5250 MHz	4900-5000 MHz
<b>FCC</b> (N. America)	2400-2483 MHz 5725-5850 MHz	5150-5250 MHz
<b>CEPT</b> (Europe)	2400-2483 MHz	5150-5250 MHz
<b>CRSA</b> (China)	2400-2483 MHz	5725-5850 MHz



**AFX-19PR001 - Front View**



**AFX-19PR001 - Top View**



**AFX-19PR001 - Bottom View**



**Specifications**

Features	Performance
Dimensions	Width: 158mm, Height: 51mm, Depth: 85mm
Weight	0.35 Kg, 0.77 lbs.
Outputs	RCA line out, XLR balanced OUT
RF Performance	
Frequency of Operation	License-free bands (see table)
Channel Spacing	20 MHz
Transmitter Output Power	15 dBm, typical
Range	50m minimum for one-room applications, up to 100m for line-of-sight applications
Audio Quality	
Pulse-code Modulation (PCM) bits	Up to 24-bits per channel for stereo, compatible with 16-bits stereo
Sampling rate	Accepts 44.1 and 48 kHz
Frequency offset	Less than one audio sample, or 22 $\mu$ s, delay between links independent left and right receivers
Frequency response	20Hz~20KHz +/-0.5dB
S/N	A-weighted better than 90dB@full scale
RF Latency	9 ms
Security	6 Bytes (48 bits) of IEEE 802.3-like MAC address
Operating Temperature	0° to +60° C
Certification	UL/ULC/CE Certified
Accessories	Universal power supply, antenna, weather shield, stand
Packaging	4-color display box

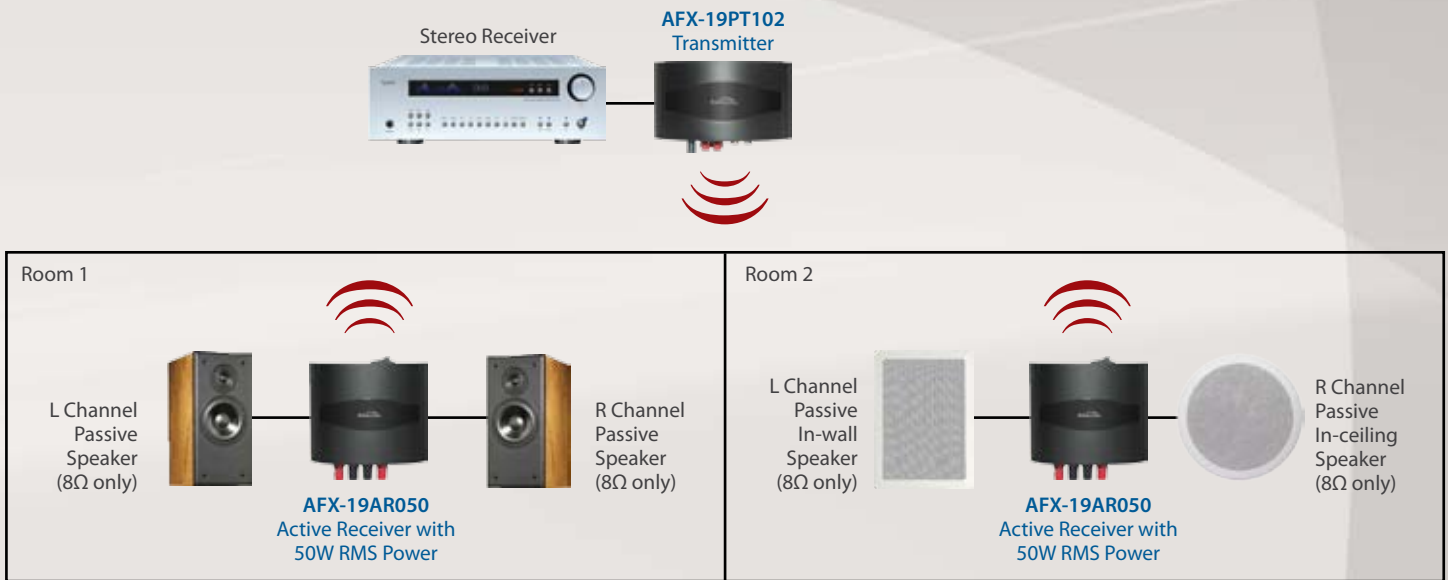
**AFX-19PR001 - Docked to Active Speaker**



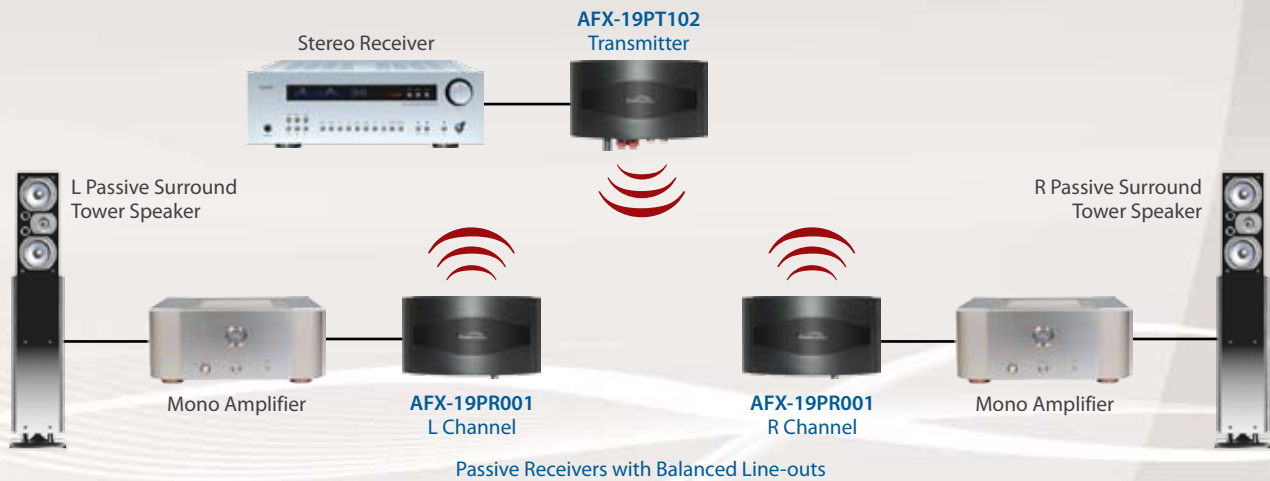
**AFX-19PR001**

# Other User Scenario Examples

## Wireless Multi-room 2.0 Audio Solution with Active Receivers



## Wireless 2.0 Audio Surround Solution with Passive Receivers



## Wireless 2.0 Pro Audio Solution



## Wireless Outdoor 2.0 Audio Solution



# AIRFONIX™

## The Airfonix Line of Professional Wireless Audio Products



Introducing the AFX-19IP001 and AFX-19IW001

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AFX-19PT102  
Transmitter



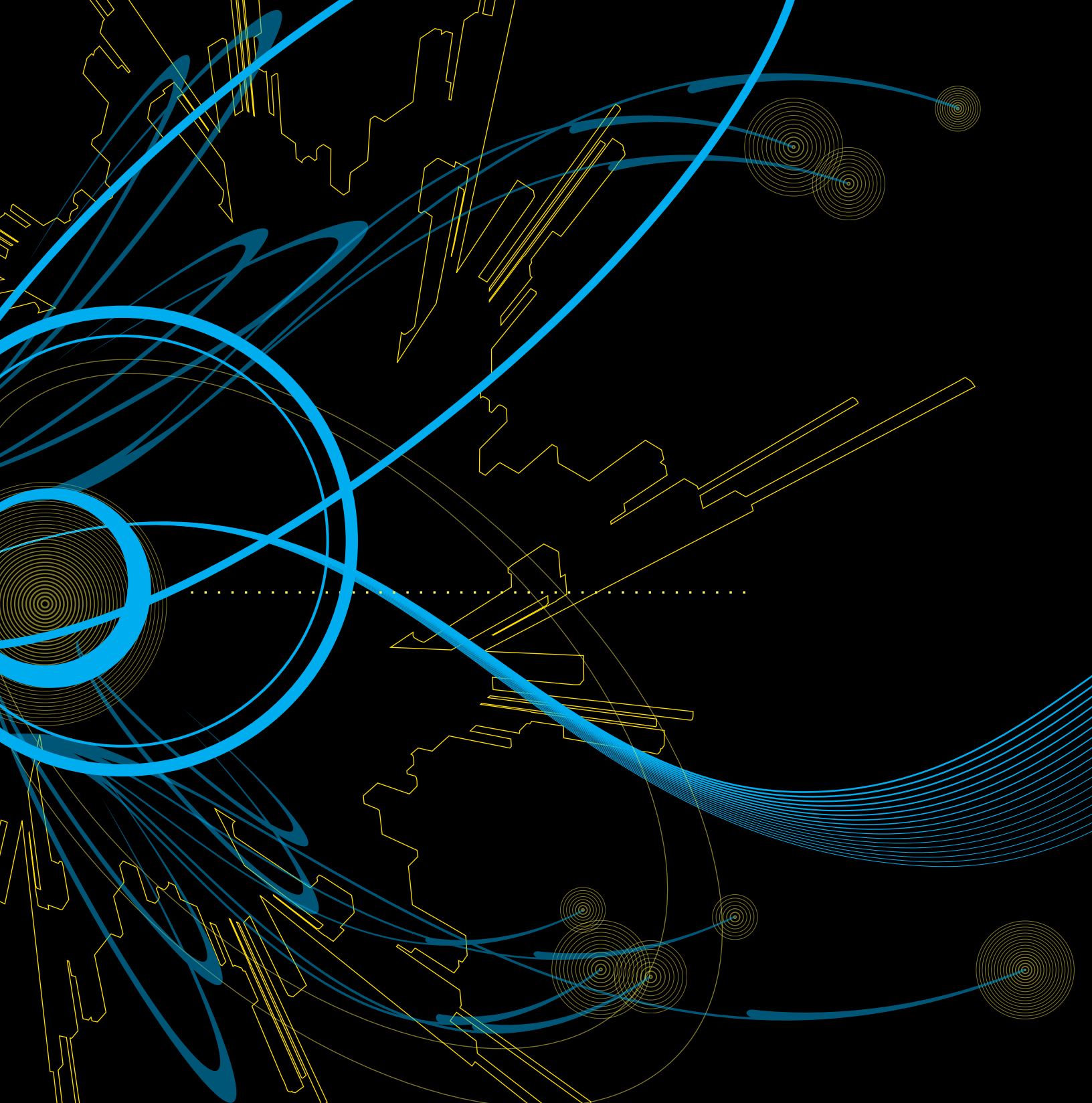
AFX-19PT002  
Transmitter



AFX-19PR001  
Receiver



AFX-19AR050  
Receiver



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