

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

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



AFX-19AR050 - Front View



AFX-19AR050 - Top View



AFX-19AR050 - Bottom View



Specifications

Features	Performance
Dimensions	Width: 158mm, Height: 51mm, Depth: 131mm
Weight	0.55 Kg, 1.21 lbs
Outputs	5-way binding posts
Digital Amplifier Rating	
MONO Mode	50 watts RMS/mono at less than 1%THD rated at 20 to 20 KHz
Stereo Mode	25 watts RMS/ch at less than 1%THD rated at 35 to 20KHz
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	48 kHz
THD+N/SNR @ Analog I/O	Tx to Rx, THD+N = 0.4% (25W)
Frequency offset	Less than one audio sample, or 22 μs, 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	10 ms
Security	6 Bytes (48 bits) of IEEE 802.3-like MAC address
Operating Temperature	0° to +70° C
Certification	UL/ULC/CE Certified
Accessories	Universal power supply, antenna, weather shield, stand
Packaging	4-color display box

AFX-19AR050 - Docked to Passive Speaker



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