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Iris IBA-250
2 channel DSP amplifier
Iris wireless input
2 x 50 watt
2-way/2 zone
PEQ, X-over, dynamics

Loudspeaker CH2 1+/1- 2+/2-
Power
Service I ⏻ O

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Iris Brick Amplifier
Wireless 2-channel DSP Audio Amplifier

Iris Brick Amplifier

Revolutionizing Wireless Sound Experience

The Iris Brick Amplifier is a discreet and efficient solution tailored for out-of-sight installations, such as above ceilings, without the need for long cable runs to a central system. Capable of covering a campus, event, house of worship without the need to drill in walls or run long cables.

Designed to be discreet, the Iris Brick Amplifier can be conveniently mounted out of sight, such as above ceilings, ensuring a clutter-free environment while you remain in full control via the app. While it's optimized for stereo applications, its versatile design also allows it to seamlessly handle two-channel configurations. Specifically designed for scenarios that demand an unobtrusive, set and forget setup, the Iris Brick Amplifier ensures that your audio needs are met without compromising aesthetics.

Users can choose from the left or right channel from the stream, or they have the option of a summed mono, catering to varied audio configurations. The emphasis with the Brick Amplifier is on delivering a rich stereo experience, though it's versatile enough to support both stereo and two-way applications.

Unlike traditional solutions, our amplifier utilizes the 1.9 GHz band, ensuring you're free from the congestion commonly associated with Bluetooth and Wi-Fi frequencies. With a latency as low as 16.5 ms.

Iris Brick Amplifier

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Equipped with a 2 x 50-watt amplifier, the Iris Brick Amplifier embodies efficiency. And while its design prioritizes discreet placement, it doesn't compromise on range or quality. Whether your setup is within a 50-meter indoor environment or extends up to 300 meters outdoors, the Iris Brick Amplifier ensures consistent and high-quality sound distribution.

Performance-wise, it delivers a full 20 Hz to 20 kHz audio range, capturing every nuance of your content. Integrated with a built-in DSP, the amplifier boasts functionalities like crossover, PEQ, compressor, and limiter. This guarantees optimized loudspeaker performance, allowing for precise management of crossover, PEQ, delay, and limiter settings.

Setup is a breeze, thanks to our user-friendly app. Not only does it facilitate a fast and reliable setup process, but it also offers features like easy device naming and discovery, ensuring you're always in control. And with the capacity to support up to 50 devices per transmitter, scalability is never an issue.

FEATURES

- 2x50 watt amplifier
- Powerful DSP with PEQ, crossover, limiter and delay
- Compatible with Iris (Pro) Transmitter
- Uncongested connectivity via the 1.9 GHz band
- Extensive range outdoors as well as indoors
- Up to 10 audio networks per site, with up to 50 receivers per network
- Rock solid reliability
- Two-channel audio operation
- Audio frequency range from 20 Hz to 20 kHz
- Ultra-low latency of 16.5 ms
- Intuitive setup and device management through our dedicated apps
- Clear indication of quality of wireless connection
- Mains powered
- Digital output for switching of external equipment

VISUAL INDICATOR

- Status of DECT connection

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TECHNICAL INFORMATION

Wireless	Iris Brick Amplifier
Wireless technology	DECT 1.9 GHz
Reception range	50m indoors to 300m outdoors
Latency	16.5ms
Synchronicity	0.15ms
Internal antenna	no
External antenna	yes

Analog audio	
Max Output Power @4-8 Ω	2x 50W
Frequency range	20 Hz to 20kHz
Output channels	2
Signal to noise ratio (SNR)	>90dB
THD+N (@ 1 kHz)	<0.1%

Electrical	
Power supply	Integrated
Operating voltage	100~240VAC/50~60Hz
Power consumption (AC)	

Ordering information	
Product name	Iris Brick amplifier
Article number	IBA-250

Packaging contents	
USB-A to USB-C cable 2m	1
C7 mains cable with EU plug 2m	1
Iris Brick Amplifier IBA-250	1
External antenna	1
Quick start guide	1
Dimensions packaging	
Gross weight	

Digital input	Iris Brick Amplifier
Logical low	<= 0.8V
Logical high	>=2.5V
Internal pull-up resistance	10 kΩ
Maximum input voltage	3.3V

Digital output	
Maximum switching voltage	42V
Maximum output current	1.4A

Environmental and safety	Iris Brick Amplifier
Operating temperature	-20°C to 50°C
Humidity	30% to 90% RH, non-condensing
Regulatory compliance	CE, WEEE
Radio Equipment Directive (RED)	2014/53/EU
RoHS	2011/65/EU & (EU) 2015/863

Mechanical	
SMA antenna connector	female
Audio output connector	terminal block
Power connector	C8
Service connector	USB-C
Relay control input	terminal block *1)
Relay control output	terminal block
LEDs	RGB (2x)
Dimensions (LxDxH)	150x100x52 mm
Weight	590gr

*1) Not supported by software

Audio DSP

- About 100 configurable biquads
- Volume control / limiter
- Dynamic range compressors
- Multiband DRC
- Dynamic EQ
- Delay up to 1x20 ms or 2x10 ms
- X-over

GET IN TOUCH

See more on our website: https://streamit.eu/ iris-brick-amplifier

Get in touch with us if you have any questions about our products.

We are happy to help.

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