



Iris Brick Amplifier

Wireless 2-channel DSP Audio Amplifier

IRIS AMP SERIES

STREAMIT.EU

IRIS AMP SERIES



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.

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

Wireless technology

Reception range

Latency

Synchronicity

Internal antenna

External antenna

Iris Brick Amplifier

DECT 1.9 GHz

50m indoors to 300m outdoors

16.5ms

0.15ms

no

yes

Analog audio

Max Output Power @4-8 Ω

Frequency range

Output channels

Signal to noise ratio (SNR)

THD+N (@ 1 kHz)

2x 50W

20 Hz to 20kHz

2

>90dB

<0.1%

Electrical

Power supply

Operating voltage

Power consumption (AC)

Integrated

100~240VAC/50~60Hz

Ordering information

Product name

Article number

Iris Brick amplifier

IBA-250

Packaging contents

USB-A to USB-C cable 2m

C7 mains cable with EU plug 2m

Iris Brick Amplifier IBA-250

External antenna

Quick start guide

Dimensions packaging

Gross weight

1

1

1

1

1

180x163x56 mm

830 gr

Digital input

Logical low

Logical high

Internal pull-up resistance

Maximum input voltage

Iris Brick Amplifier

≤ 0.8V

≥ 2.5V

10 kΩ

3.3V

Digital output

Maximum switching voltage

Maximum output current

42V

1.4A

Environmental and safety

Operating temperature

Humidity

Regulatory compliance

Radio Equipment Directive (RED)

RoHS

Iris Brick Amplifier

-20 °C to 50 °C

30% to 90% RH, non-condensing

CE, WEEE

2014/53/EU

2011/65/EU & (EU) 2015/863

Mechanical

SMA antenna connector

Audio output connector

Power connector

Service connector

Relay control input

Relay control output

LEDs

Dimensions (LxDxH)

Weight

female

terminal block

C8

USB-C

terminal block *1)

terminal block

RGB (2x)

150x100x52 mm

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.