

WIRELESS AUDIO



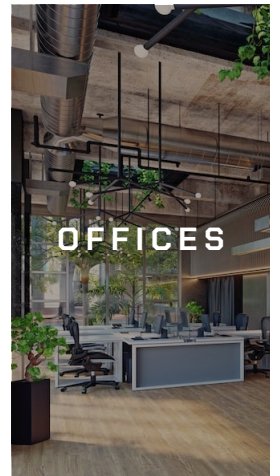
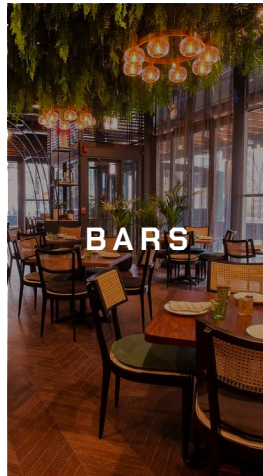
Iris Family

Revolutionizing Wireless Sound Experience

In the consumer market, it has become the standard, but for professional applications, it remains the exception: using a wireless audio connection between the sound source and speaker(s). The Iris family of products has been developed to address this issue.

For this purpose, we have developed two transmitter products that can be connected to existing sound sources. Additionally, we are developing an OEM module that can be integrated into new and some existing sound sources. On the speaker side, we now offer four products in our range.

APPLICATIONS



PRODUCTS



Iris Transmitter and Receiver

IRIS SERIES

For home audio and background music especially fixed location we offer the compact Iris. In terms of appearance and hardware, they are identical to each other. Compact and extremely low power consumption can be mounted unobtrusively and powered 24/7.



Iris Pro Transmitter

IRIS PRO SERIES

A paradigm shift in professional-grade audio transmission, tailored for those who demand excellence in sound technology. The Iris Pro Transmitter (Receiver) is equipped with an array of balanced analog inputs: RCA, XLR, TOSlink digital and Terminal Block.



Iris Pro Receiver

IRIS PRO SERIES

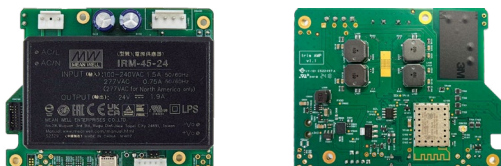
This transmitter stands out in the audio world, offering unparalleled reliability with the use of dedicated 1.9 GHz band technology, ensuring stable, clear, and far-reaching audio delivery up to 300 meters. The Iris Pro Receiver is equipped with an array of balanced analog outputs: RCA, XLR, and Terminal Block.



Iris Brick Amplifier

IRIS AMP SERIES

A compact, high-performance wireless audio amplifier. Equipped with an advanced Digital Signal Processor (DSP), it features sophisticated tools such as crossover control, limiters, Parametric Equalizer (PEQ), and delay settings, allowing you to fine-tune your audio to the highest degree of precision.



Iris DSP Amplifier Module

IRIS AMP SERIES

Create a reliable, high-performance wireless active loudspeaker with our state-of-the-art solution. Equipped with an advanced Digital Signal Processor (DSP), it offers 2x50 watts of Class D amplification.

FEATURES

- All Iris receiver products/modules are compatible with all Iris transmitter products/modules.
- Uncongested connectivity via the 1.9 GHz DECT band.
- Extensive range, from 50m indoors to 300m outdoors.
- 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 – 20 kHz
- Ultra-low latency of 16.5 ms
- Synchronicity between receivers of 0.15 ms
- Signal-to-noise ratio > 90 dB
- THD +N (@ 1 kHz) < 0,01%
- Intuitive setup and device management through our dedicated apps
- Clear indication of quality of wireless connection
- Mains or (rechargeable) battery powered
- Digital input/output for switching of external equipment
- Operating temperature -20°C to 50°C

KEY SPECIFICATIONS

Analog audio

Max Output Power @4-8 Ω

Input level (Transmitter)

Output level (Receiver)

	Iris Transmitter	Iris Receiver	Iris Pro Transmitter	Iris Pro Receiver	Iris Brick Amplifier	Iris DSP Module
Max Output Power @4-8 Ω					2x50W	2x50W
Input level (Transmitter)	4dBu (max)		+4/+18dBu (switchable)			
Output level (Receiver)		4dBu (max)		4dBu (max)		

Digital audio input

Codec support

Input resolutions

Sample rates

	Iris Transmitter	Iris Receiver	Iris Pro Transmitter	Iris Pro Receiver	Iris Brick Amplifier	Iris DSP Module
Codec support			PCM			
Input resolutions			16-24 bit 44.1, 48, 88.2,			
Sample rates			96kHz			

Programmable Audio DSP

	Iris Transmitter	Iris Receiver	Iris Pro Transmitter	Iris Pro Receiver	Iris Brick Amplifier	Iris DSP Module
Programmable Audio DSP					✓	✓

Electrical

Power supply

Batteries (Transmitter)

	Iris Transmitter	Iris Receiver	Iris Pro Transmitter	Iris Pro Receiver	Iris Brick Amplifier	Iris DSP Module
Power supply	5VDC adapter, 1A	5VDC adapter, 1A	5VDC adapter, 1A	5VDC adapter, 1A	Mains PSU integrated	Mains PSU integrated
Batteries (Transmitter)				4xAlkaline AA		

VISUAL INDICATORS

Iris Transmitter

- Status of DECT connection
- Status of mobile app connection

Iris Receiver

- Status of mobile app connection

Iris Pro Transmitter

- Status of DECT connection
- Digital audio input detected and locked
- Digital audio sample rate indication
- Status of mobile app connection
- Audio level
- Signal present, nominal and clip/max level indication

Iris Pro Receiver

- Status of DECT connection
- Battery status
- Audio level
- Signal present, nominal and clip/max level indication

Iris Brick Amplifier

- Status of DECT connection

Iris DSP Amplifier Module

- Status of DECT connection

VIDEO



GET IN TOUCH

Find more information on our website: <https://www.streamit.eu/wireless/audio>

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

We are happy to help.