

ifi



ZEN_{air}Blue

Tech Lowdown

HD Bluetooth receiver/DAC

Based on the award-winning ZEN Series, the ZEN Air range makes high-performance audio more affordable than ever before.

The **ZEN Air Blue** is a Bluetooth receiver/DAC with iFi's next generation HD Bluetooth engine built in.



HD Quality Streaming

The **ZEN Air Blue** upgrades the sound quality of any speaker or system that uses regular Bluetooth technology.

It enables Bluetooth audio streaming from smartphones, tablets and more to any existing audio system via line-in.

- Bluetooth v5.1 compliant
- Excellent wireless range
- Super stability
- Smooth performance



Beautiful Bluetooth

Supports all the latest hi-res codecs

- aptX
- aptX HD
- aptX Adaptive
- aptX LL
- LDAC
- LHDC/HWA
- AAC
- SBC

Qualcomm® aptX™

Qualcomm® aptX™ Adaptive

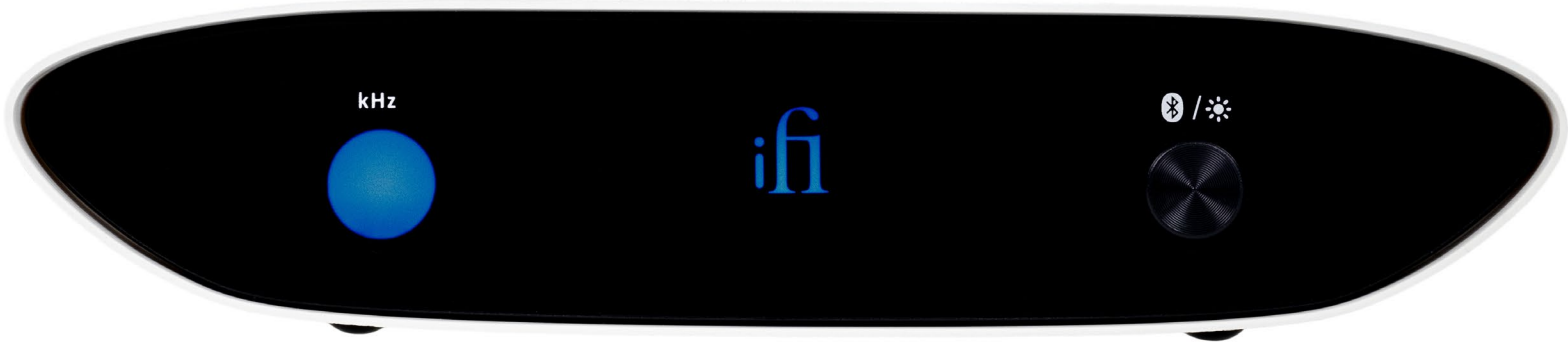
Qualcomm® aptX™ HD

Qualcomm® aptX™ low latency

AAC

HWA
Hi-Res Wireless Audio
Powered by LHDC™

LDAC

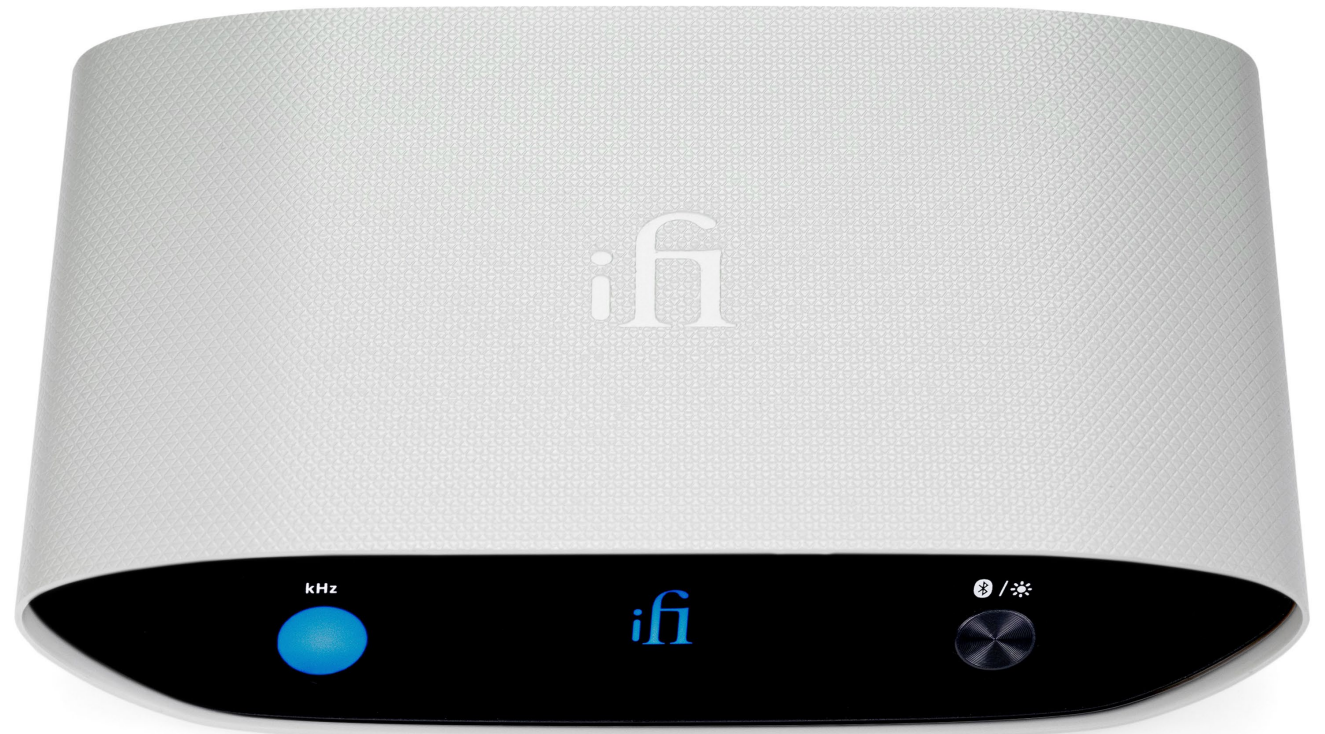


Bluetooth Built Better

The **ZEN Air Blue** has iFi's next generation HD Bluetooth engine built-in.

This implementation avoids the typical 40% quality drop found with standard Bluetooth.

Future codecs can be added over the air.



Bluetooth Sample Rate LED (kHz)



44/48



88/96

Bluetooth codec display



SBC



AAC



aptX



aptX HD



aptX Adaptive



aptX LL



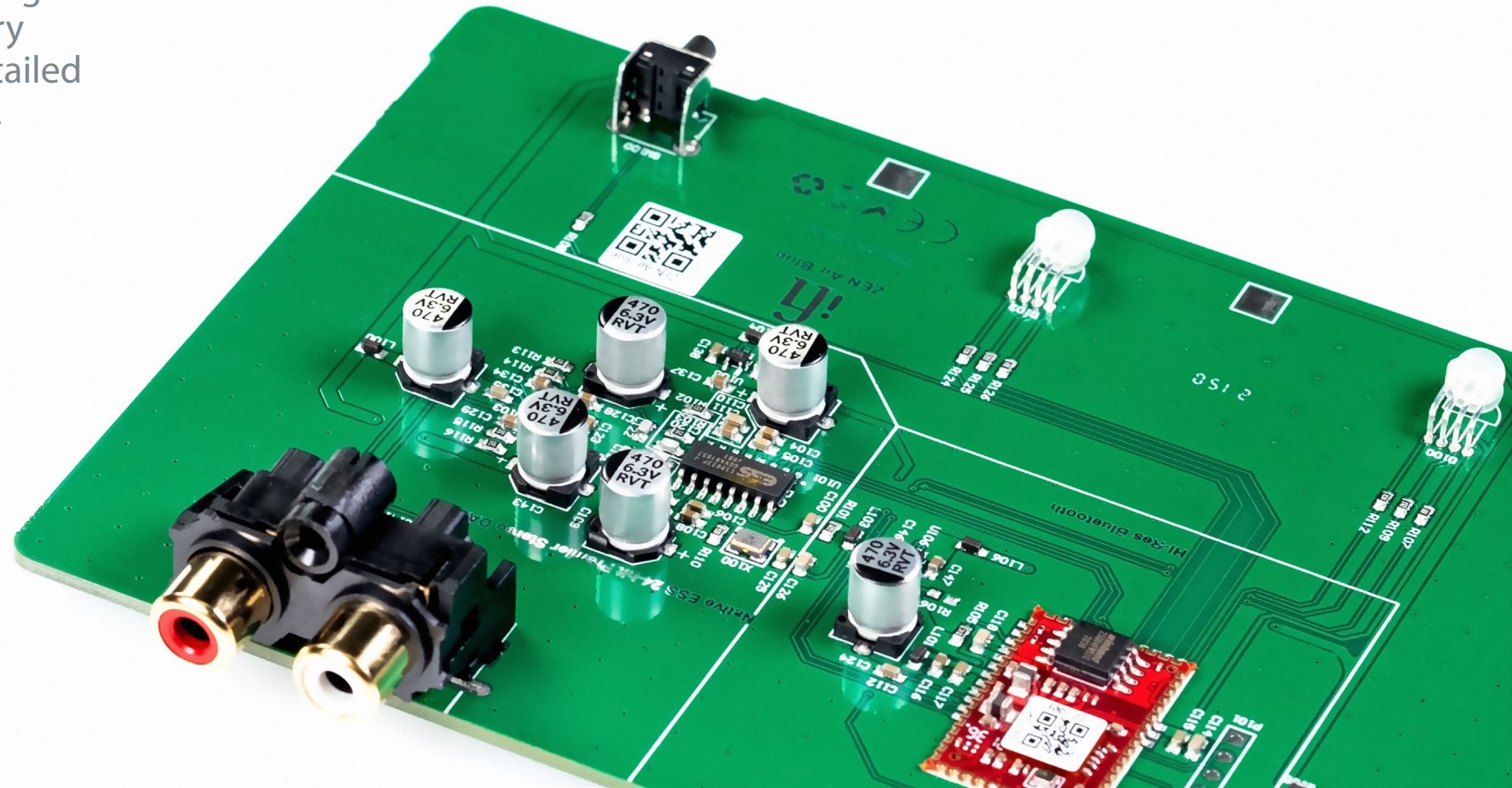
LDAC



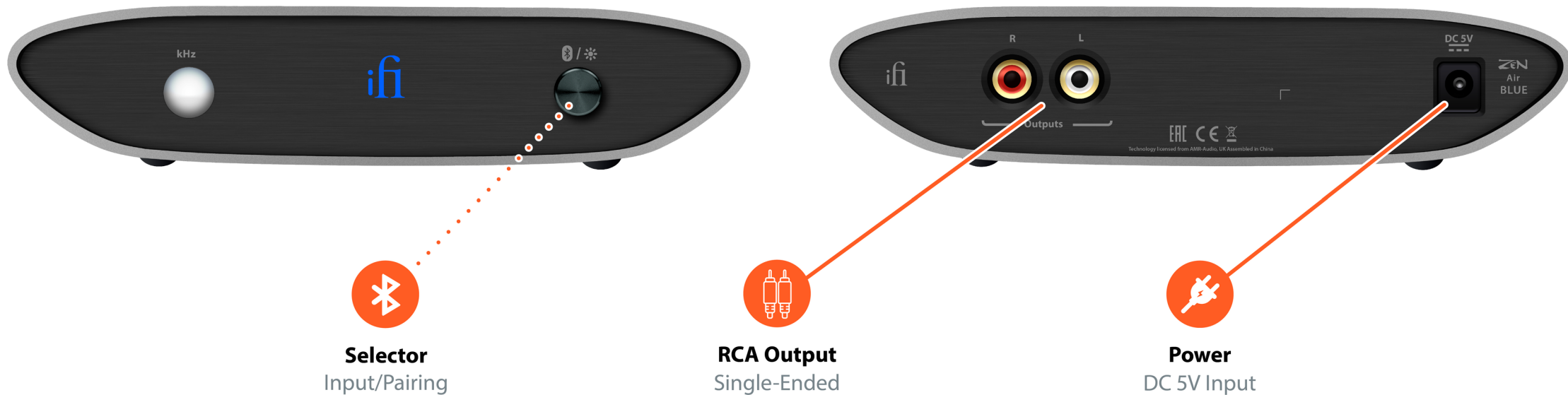
LHDC/HWA

High-performance circuitry

The **ZEN Air Blue's** high-performance circuitry delivers smooth, detailed and dynamic sound.



Connections



Superior Design And Components



Gold-plated RCA sockets



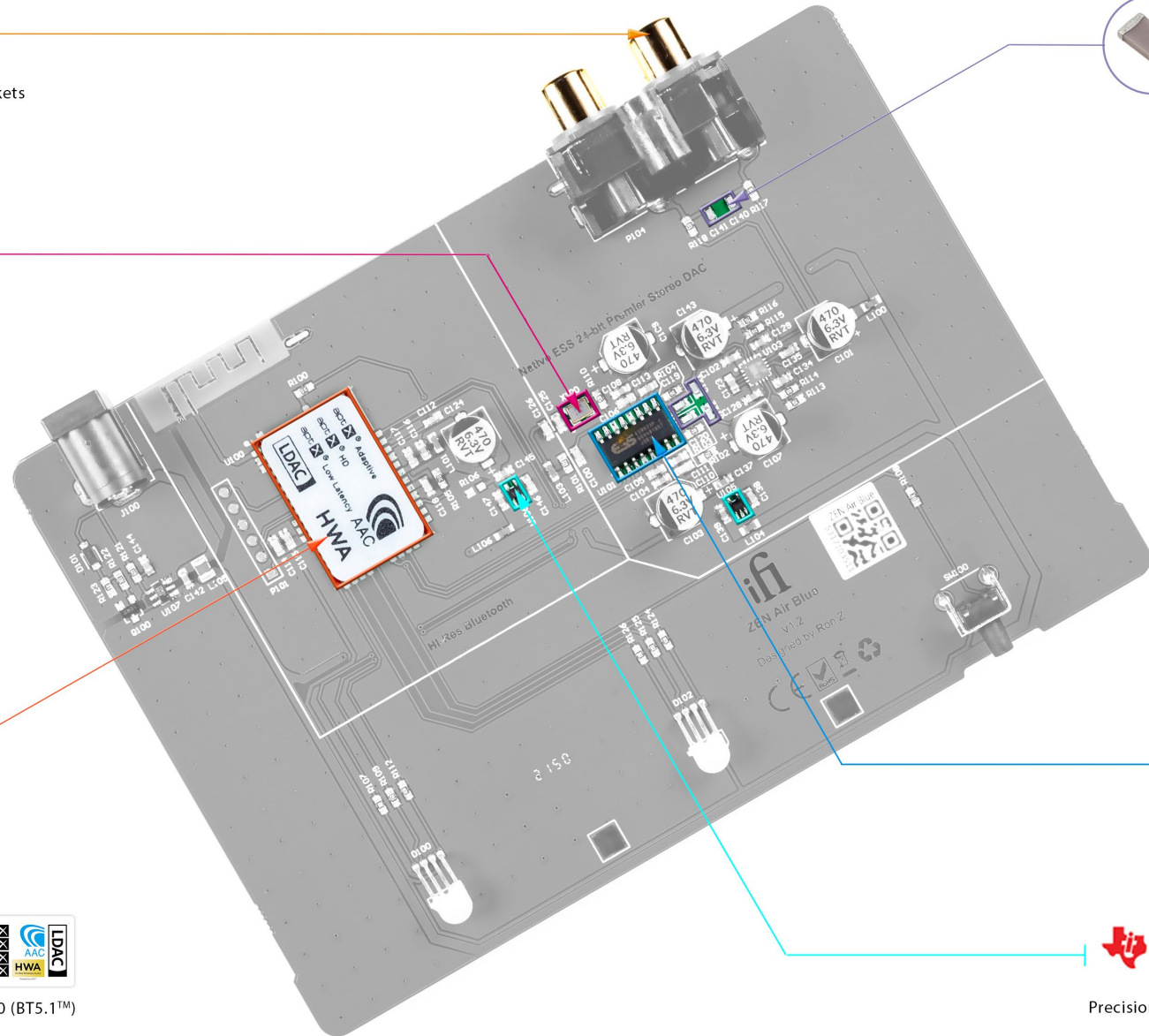
low jitter clock



TDK
COG capacitors



Qualcomm® QCC5100 (BT5.1™)



Specifications

Power supply requirement	DC 5V, $\geq 0.5A$ (centre +ve)
Chipset	Qualcomm QCC 5100 Series
Input	Bluetooth 5.0TM with SBC, AAC, aptX, aptX HD, aptX Adaptive, aptX LL, LDAC, LHDC/HWA Codec
Outputs	Audio RCA L/R
Frequency Response	20Hz - 20kHz +0/-0.5dB (44.1kHz)
	1Hz - 44kHz +0/-3.0dB ($\geq 88.2kHz$)
Output Voltage @ 0dBFS:	2.05V (+/-0.05V)
Dynamic Range	109dB (A)
Signal/Noise ratio	109dB (A) @ 0dBFS

THD & N	<0.0015% 10k Load @ 0dBFS
Output Impedance:	<50 Ω
Power Consumption	<2.5W
Dimensions	158 x 100 x 35 mm
	6.2" x 3.9" x 1.4"
Net weight	295g
	0.65 lbs

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audio