



EDIFIER NeoBuds Planar

GTM Deck Version 1.1

2025/7/03

NeoBuds Planar

True Wireless Planar Magnetic Noise Cancelling Earbuds

Planar Magnetic Drivers

- **12mm modularized planar magnetic drivers** guarantee uniform exponential audio performance and the possibility to be used for active noise cancellation;
- Planar diaphragm built on a **2 μ m polymer substrate** with a total thickness of only **10 μ m**, ensuring good transient response for detailed sound reproduction.
- The **2nd generation of EqualMass™ wiring** counter-balances the uneven distribution of magnetic field and achieves equal weight distribution across the diaphragm, so that all parts of the diaphragm possess the same momentum. By adding **symmetric supporting wiring**, the diaphragm is steadier than the previous generation and can achieve a piston-like motion across the audio spectrum.
- **Dual layers of magnet arrays**, one on each side of the diaphragm, provide doubled driving force in a push-pull manner for a much-improved efficiency.
- Every piece of earbuds will pass a production-phase auto-calibration process to guarantee uniform final performance.

Premium Quality Sound

- Built with **Qualcomm® QCC5181** Bluetooth® audio SoCs, NeoBuds Planar supports Snapdragon Sound™ Technology Suite to deliver a premium and immersive audio experience.
- Supports multiple HD codecs: aptX™, aptX™ adaptive, aptX™ Lossless, Snapdragon Sound™, LDAC, LHDC.
- Immersive sound with **Hi-Res Audio Wireless** certification.

Hybrid Active Noise Cancellation

- **3rd generation Qualcomm® Hybrid Adaptive Noise Cancellation technology** changes the cancellation pattern based on ambient noise, ensuring a comfortable and immersive listening experience.



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Clear Calls

- Each earbud features **three high-sensitivity mics**, totaling six mics across the whole product, providing sufficient hardware for multi-mode audio pickup.
- **Qualcomm aptX™ Voice** technology enabled clear voice pickup for hands-free phone calls, even in noisy environments.

Battery

- A total of **30 hours** of long battery life.
- Supports wireless charging.

Bluetooth Feature

- Bluetooth V5.4 for seamless audio streaming and a stable connection.
- Support **multipoint connection**, allowing instant switching between music, videos and calls on 2 different devices simultaneously.

User-friendly Function

- Personalize listening style and customize controls via EDIFIER ConneX app.
- **Wearing detection** enables automatic music pause/play.
- **IP55** certified for daily active use.
- 8 LED color options to enhance personalized experience.
- **Press control**, simple and prevent accidental touch.



Qualcomm®
aptX™



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The Advantages of Planar Magnetic Driver

Dynamic driver reproduces sound with a cone-size diaphragm driven by a voice coil submerged in a circular magnetic field. The diaphragm has to be stiff enough to avoid partitioning during vibration, especially in high frequency band. The whole motor system is also heavy to move.

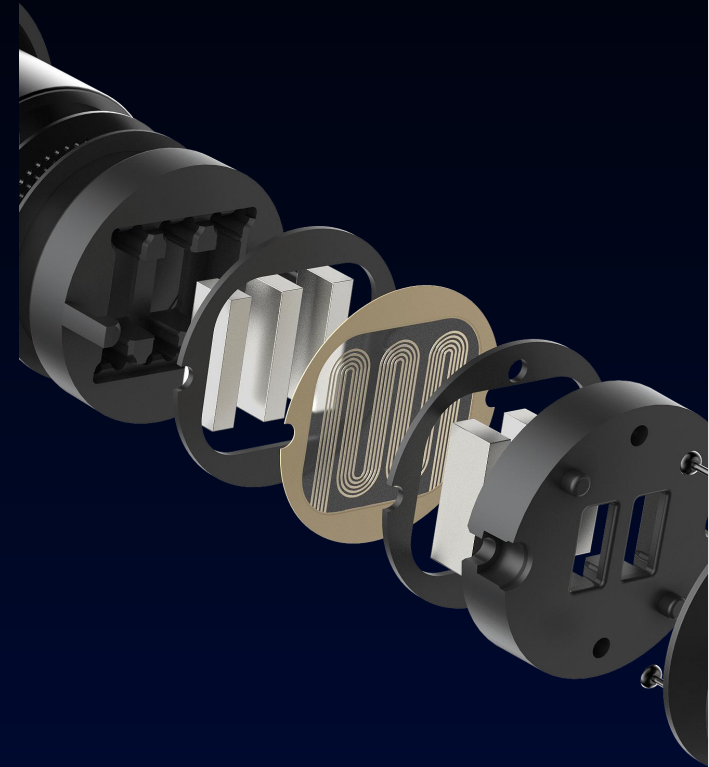
The planar magnetic driver, on the other hand, features a flat, thin diaphragm with embedded wired, suspended in the magnetic gap. This design allows the diaphragm to move in a piston-like manner all across the frequency spectrum. The diaphragm is light and has good transient response, which makes the planar driver a much better choice for sound reproduction by nature compared to dynamic drivers.

2nd Gen EqualMass™ Wiring Technology

In other headphones with planar magnetic driver, it's common practice to address the uneven distribution of the magnetic field by using wires of varying widths on the diaphragm, aiming to achieve uniform driving force across the entire diaphragm, ensuring consistent performance.

With EqualMass™, we take this approach a step further. By connecting different numbers of wire with the same width in parallel, EqualMass™ achieves uniformed driving force for all parts of diaphragm while keeping the weight of diaphragm evenly distributed, therefore the diaphragm can moving back and forth in same motion and same momentum which lower the harmonic distortion to almost zero. In 2nd generation of EqualMass™ wiring, we introduce a symmetric wiring structure, further enhancing the diaphragm's stability across the entire frequency spectrum.

*Patent No: PCT/CN2021/124329



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Technical Specification

Bluetooth	V5.4
Bluetooth Protocol	A2DP、AVRCP、HFP
Effective Distance	10m
Playtime (hours)	ANC OFF:7.5+22.5hrs ANC ON:5+15hrs
Battery Capacity	50mAh(earbuds) 500mAh(charging case)
Charging Port	USB-C
Input	5V 200mA(Earbuds) 5V 1A(Charging Case)
Charging Time	1h (Earbuds) 2h(Charging Case)
Weight	62g

Audio Coding	aptX™, aptX™ adaptive, aptX™ Lossless, Snapdragon Sound™, LDAC,LHDC, SBC
Driver	12mm Planar magnetic driver 2nd Gen EqualMass™ Wiring Technology
Impedence	/
Sound Pressure Level	92±3dB(A)
Frequency Response	20Hz-40kHz
Mircophones	6Mics (3 on each side)
Minimum/Maximum charger power (W)	3-5W
IP Rating	IP55
Dimension (L x W x H mm)	60.6mm*50.9mm*33.2mm (charging case) 33.4mm*24.6mm*20.9mm (earbuds)

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Packaging Structure & Layout



Box Content

Item	Quantity
Earbuds	2pcs
Charging Case	1pc
Ear Tips	5 pairs(XS/S/M/L/XL)
Pouch	1pc
Charging Cable	1pc
User Manual	1pc



Carton Configuration

Product Weight	Around 62g (Net Weight)
Inner Carton	121 x 67 x 121 mm (L*W*H)
Middle Carton	152.5x146.5x104mm (L*W*H)
Master Carton	570x323x325mm (L*W*H), Around 9.76 kg/Carton (Gross Weight)
SETS/CTN	20 Sets

EAN Code

Color Options	EAN Code
Black	6923520249275



EU DECLARATION OF CONFORMITY

1. Model No., trademark:

Trademark	EDIFIER
Model Name	EDF200185

2. Name and address of the manufacturer:

Name of the manufacturer	Edifier International Limited
Address	P.O. Box 6264 General Post Office, Hong Kong

3. This declaration of conformity is issued under the sole responsibility of the manufacturer.

4. Object of the declaration:

Product Name	Model Name	Sales Name
True Wireless Planar Magnetic Noise Cancelling Earbuds	EDF200185	NeoBuds Planar

5. The object of the declaration described above is in conformity with the relevant Union harmonisation legislation directive and Other Union harmonisation legislation where applicable:

Radio Equipment Directive 2014/53/EU
RoHS Directive

6. References to the relevant harmonised standards or the common specifications used or references to the other technical specifications in relation to which conformity is declared:

Radio Equipment Directive	EN 62479:2010; EN IEC 62368-1:2020+A11:2020; EN IEC 61000-3-2:2019+A1:2021; EN 55032:2015+A11:2020; EN 61000-3-3:2013+A2:2021, EN 55035: 2017+A11:2020, ETSI EN 301 489-1 V2.2.3 (2019-11), ETSI EN 301 489-17 V3.2.4 (2020-09) ETSI EN 300 328 V2.2.2 (2019-07); EN IEC 62680-1-3:2022
RoHS Directive	Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment, 2011/65/EU Annex II and its amendment Directive (EU) 2015/863 as well as RoHS harmonized standard EN IEC 63000: 2018.

7. EU Authorized Representatives Details:

Name: THEMIS AR Unterstützung UG **Contact Person:** Christopher Jones

Address: Beedstrasse 54, In Dusseldorf, (40468),Deutschland **E-mail:** legal@themisar.com

Signature:

Printed name: Li Lanqiang

Position: Certification Center manager

Place and date of issue: DongGuan 2025-3-4

EDIFIER

Earbuds: Built-in Lithium-ion Battery

Name	Model	Trademark	Ratings
Rechargeable Li-ion Cell	M1054X2	Mic-power	3.73V, 50mAh, 0.187Wh



广东微电新能源有限公司

Guangdong Mic-power New Energy Co., Ltd.

EU DECLARATION OF CONFORMITY

1. Model No., trademark:

Trademark	MIC-POWER
Product Name	Rechargeable Li-ion Battery

2. Name and address of the manufacturer:

Name of the manufacturer	Guangdong Mic-power New Energy Co., LTD
Address	No.4 Xingju west road, Dongxing District, Dongjiang Hi-Tech Industrial Park, Huizhou, China.

3. This declaration of conformity is issued under the sole responsibility of the manufacturer.

4. Object of the declaration:

Product	All MIC-POWER batteries for EDIFIER
Ratings and principal characteristics	Please see the signed Specification for details.
Photo	Please see the signed Specification for details.

(EU) 2023/1542 .The CE mark as shown below can be used , under the responsibility of the manufacturer after completion of an EU Declaration of Conformity and compliance with all relevant EU Directives and regulations.



Signature:

Printed name: Guangdong Mic-power New Energy Co., LTD

Position: No.4 Xingju west road, Dongxing District, Dongjiang Hi-Tech Industrial Park, Huizhou, China.

Place and date of issue: 2024.4.22

公司名称: Guangdong Mic-power New Energy Co., LTD.

公司地址: No.4 Xingju west road, Dongxing District, Dongjiang Hi-Tech Industrial Park, Huizhou, China.

电话: 0752-3315939 传真: 0752-3315939 网站: www.mic-power.cn.com

EDIFIER

Charging Case: Built-in Lithium-ion Battery

Name	Model	Trademark	Ratings and principal characteristics
Li-ion Rechargeable Battery	13300	CEL	3.7V, 500mAh, 1.85wh

CEL[®]

EU DECLARATION OF CONFORMITY

1. Model No., trademark:

Trademark	CEL
Battery Category	Portable Battery
Model Name	N/A

2. Name and address of the manufacturer:

Name of the manufacturer	Dongguan Golden CEL Battery Co., Ltd.
Address	No.11, Yinhu Industrial park, JiaoYiTangManagement Zone, Tangxia, DongGuan, GuangDong, P.R. China

3. This declaration of conformity is issued under the sole responsibility of the manufacturer.

4. Object of the declaration:

Product	All CEL batteries for EDIFIER
Ratings and principal characteristics	Please see the signed Specification for details.
Photo	Please see the signed Specification for details.

5. We herewith declare that the above mentioned products meet the provisions of the battery regulation (EU) 2023/1542 .The CE mark as shown below can be used , under the responsibility of the manufacturerafter completion of an EU Declaration of Conformity and compliance with all relevant EU Directives and regulations.



Signature:

Printed name:

Position:

Place and date of issue:



Dongguan Golden CEL Battery Co., Ltd.
 No.11, Yinhu Industrial park, JiaoYiTangManagement Zone, Tangxia, DongGuan, GuangDong, P.R. China
 0769-82195301 . 0769-87982226 . www.celbattery.com

ΔΗΛΩΣΗ ΣΥΜΜΟΡΦΩΣΗΣ ΕΕ

1. Αρ. μοντέλου, εμπορικό σήμα:

Εμπορικό σήμα	EDIFIER
Όνομα μοντέλου	EDF200185

2. Όνομα και διεύθυνση του κατασκευαστή:

Όνομα του κατασκευαστή	Edifier International Limited
Διεύθυνση	Ταχυδρομική Θυρίδα 6264 Γενικό ταχυδρομείο Χονγκ Κονγκ

3. Αυτή η δήλωση συμμόρφωσης εκδίδεται με αποκλειστική ευθύνη του κατασκευαστή.

4. Αντικείμενο της δήλωσης:

Όνομα προϊόντος	Όνομα μοντέλου	Όνομα πωλήσεων
Ασύρματα μαγνητικά planar ακουστικά με ακύρωση θορύβου	EDF200185	NeoBuds Planar

5. Το αντικείμενο της δήλωσης που περιγράφεται παραπάνω είναι σύμφωνο με τη σχετική οδηγία νομοθεσίας εναρμόνισης της Ένωσης και με άλλη νομοθεσία εναρμόνισης της Ένωσης, όπου ισχύει:

Οδηγία 2014/53/ΕΕ για τον ραδιοεξοπλισμό

Οδηγία RoHS

6. Παραπομπές στα σχετικά εναρμονισμένα πρότυπα ή στις κοινές προδιαγραφές που χρησιμοποιούνται ή παραπομπές σε άλλες τεχνικές προδιαγραφές σε σχέση με τις οποίες δηλώνεται η συμμόρφωση:

Οδηγία για τον ραδιοεξοπλισμό	EN 62479:2010; EN IEC 62368-1:2020+A11:2020; EN IEC 61000-3-2:2019+A1:2021; EN 55032:2015+A11:2020; EN 61000-3-3:2013+A2:2021, EN 55035: 2017+A11:2020, ETSI EN 301 489-1 V2.2.3 (2019-11), ETSI EN 301 489-17 V3.2.4 (2020-09) ETSI EN 300 328 V2.2.2 (2019-07); EN IEC 62680-1-3:2022
Οδηγία RoHS	Περιορισμός της χρήσης ορισμένων επικίνδυνων ουσιών σε ηλεκτρικό και ηλεκτρονικό εξοπλισμό, 2011/65/ΕΕ Παράρτημα II και τροποποιητική Οδηγία (ΕΕ) 2015/863 καθώς και εναρμονισμένο πρότυπο RoHS EN IEC 63000: 2018.

7. Στοιχεία εξουσιοδοτημένων αντιπροσώπων της ΕΕ:

Όνομα: THEMIS AR Unterstützung UG Υπεύθυνος επικοινωνίας: Christopher Jones

Διεύθυνση: Beedstrasse 54, In Dusseldorf, (40468), Deutschland E-mail: legal@themisar.com

Υπογραφή:

Εκτυπωμένο όνομα: Li Lanqiang

Θέση: Υπεύθυνος κέντρου πιστοποίησης

Τόπος και ημερομηνία έκδοσης: Dongguan 2025-7-8