



# EDIFIER ES850NB

GTM Deck Version 1.5

2025/07/03

# ES850NB

## Wireless Noise Cancelling Over-Ear Headphones

### Quality Sound

- Immersive sound with both **Hi-Res Audio** and Hi-Res Audio Wireless certification.
- 40mm dynamic driver with titanium-coated composite diaphragm.
- Supports **LDAC/SBC** codecs.

### Hybrid Active Noise Cancellation

- Upgraded noise cancellation system offers up to **-45dB ANC** depth, isolating unwanted noise.
- Multiple noise cancellation modes are available to suit various scenarios.

### Long Battery Life

- Enjoy approximately **92 hours** of continuous playback when ANC is off.
- Supports fast charging, 15mins=11.5hrs.

### Clear Call

- Built-in mics with **AI noise cancellation** technology ensure your clear calls.

### Upgraded ergonomic design

- Skin-friendly leather makes the ear cushions super soft, ensuring all-day comfortable wearing.
- The steel headband design guarantees more stable wear.
- Fully foldable design for carrying convenience.



*\*The model name, specifications and functions are subject to the final launched product .*

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### 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.

### Easy-to-Use

- **Touch-to-chat**, touch and hold the earcup to pause your music and let ambient sound in, release to resume.
- Silicone physical buttons for effortless control.
- Compatible with EDIFIER ConneX app for additional functions: personalize control settings, select preset EQs, and more.

### Multiple Inputs

- Bluetooth, USB-C

NEW



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# ES850NB

Wireless Noise Cancelling Over-Ear Headphones



**Black**



**Ivory**



**Pink**



**Brown**

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## EDIFIER Product Deck | Over-Ear Headphones



Fully foldable design



Steel headband



Skin-friendly leather



Leather texture  
touch-friendly

Metal plating



Silicone physical buttons

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# ES850NB

Wireless Noise Cancelling Over-Ear Headphones

Technical Specification

|                    |                                |
|--------------------|--------------------------------|
| Bluetooth          | V5.4                           |
| Bluetooth Protocol | A2DP,AVRCP,HFP                 |
| Effective Distance | 10M                            |
| Playtime (hours)   | ANC OFF:92hrs<br>ANC ON: 53hrs |
| Battery Capacity   | 650mAh                         |
| Charging Port      | USB-C                          |
| Input              | 5V/1A                          |
| Charging Time      | 2.5 h(15min=11.5hrs)           |
| Weight             | 265g                           |

|                          |                      |
|--------------------------|----------------------|
| Audio Coding             | LDAC,SBC             |
| Driver                   | Φ40mm dynamic driver |
| Impedence                | 32Ω                  |
| Sound Pressure Level     | 91±3dB(A)            |
| Frequency Response       | 20Hz-40KHz           |
| Mircophones              | 5 pcs                |
| Microphone Sensitivity   | 32±2dB               |
| IP Rating                | /                    |
| Dimension (L x W x H mm) | 192.9*158.2*77.4mm   |

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# ES850NB

Wireless Noise Cancelling Over-Ear Headphones

### Packaging Structure & Layout



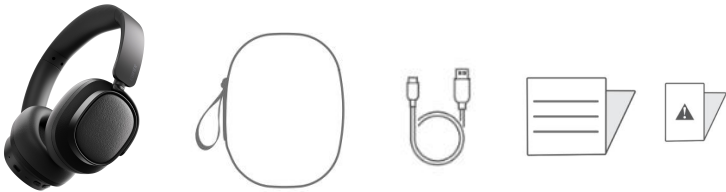
### Carton Configuration

|                |                                                           |
|----------------|-----------------------------------------------------------|
| Product Weight | Around 265 g (net weight)                                 |
| Inner Carton   | 232.5x198x69.5 mm (L×W×H), around 0.692 kg (gross weight) |
| Master Carton  | 484x373x415 mm (L×W×H), around 14.82 kg (gross weight)    |
| PCS/CTN        | 20 pcs                                                    |

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### Box Content

| Item                          | Quanlity |
|-------------------------------|----------|
| Headset                       | 1        |
| Travel Bag                    | 1        |
| Type-C Charging Cable         | 1        |
| Manual                        | 1        |
| Important Safety Instructions | 1        |



### EAN Code

| Color Options | EAN Code      |
|---------------|---------------|
| Black         | 6923520248988 |
| Ivory         | 6923520248995 |
| Pink          | 6923520249008 |
| Brown         | 6923520249015 |

## EU DECLARATION OF CONFORMITY

## 1. Model No., trademark:

|            |           |
|------------|-----------|
| Trademark  | EDIFIER   |
| Model Name | EDF280044 |

## 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 |
| Wireless Noise Cancelling Over-Ear Headphones | EDF280044  | ES850NB    |

## 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 55032: 2015+A11:2020+A1:2020; EN 61000-3-3: 2013+ A1:2019+A2:2021<br>EN IEC 61000-3-2: 2019+A1:2021; EN 55035: 2017+A11:2020<br>EN 301 489-1 V2.2.3; EN 301 489-17 V3.3.1; EN 300 328 V2.2.2<br>EN 62479:2010; EN IEC 62368-1:2020+A11:2020; 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

## Built-in Li-ion battery

| Name                | Model      | Trademark | Ratings and principal characteristics |
|---------------------|------------|-----------|---------------------------------------|
| Lithium ion Battery | CEL 632540 | CEL       | 3.7V, 650mAh, 2.405Wh                 |

**CEL**<sup>®</sup>

### 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](http://www.celbattery.com)

## 1. Αρ. μοντέλου, εμπορικό σήμα:

|                |           |
|----------------|-----------|
| Εμπορικό σήμα  | EDIFIER   |
| Όνομα μοντέλου | EDF280044 |

## 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 ακουστικά κεφαλής over-ear με ακύρωση θορύβου | EDF280044      | ES850NB        |

## 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 55032: 2015+A11:2020+A1:2020; EN 61000-3-3: 2013+ A1:2019+A2:2021<br>EN IEC 61000-3-2: 2019+A1:2021; EN 55035: 2017+A11:2020<br>EN 301 489-1 V2.2.3; EN 301 489-17 V3.3.1; EN 300 328 V2.2.2<br>EN 62479:2010; EN IEC 62368-1:2020+A11:2020; 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