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› Relxhome NE20 Translation Earbuds User Manual

## Relxhome NE20

# Relxhome NE20 Translation Earbuds User Manual

Model: NE20 | Brand: Relxhome

## 1. INTRODUCTION

The Relxhome NE20 Translation Earbuds are designed to facilitate seamless communication across language barriers. These earbuds integrate advanced AI translation technology, offering real-time translation in multiple modes and supporting a wide range of languages. This manual provides detailed instructions for setting up, operating, and maintaining your NE20 earbuds to ensure optimal performance.

## 2. PRODUCT OVERVIEW

### Key Features:

- **AI Real-Time Translation:** Supports up to 135 languages and 72 accents with minimal delay and high accuracy.
- **LCD Touch Screen:** Full-color display on the charging case for direct control of music, volume, EQ, language selection, alarms, stopwatch, remote photography, and other functions.
- **8 Versatile Translation Modes:** Includes Free Call Mode, Online Translation Mode, Speaker Mode, AI Chat Mode, Photo Translation, Voice Note Mode, Headphones + Phone Mode, and Binaural Mode.
- **Built-in Smart AI Assistant:** Provides instant responses and practical suggestions for travel and other inquiries.
- **Multi-functional Audio:** Functions as everyday headphones for music playback and calls with directional microphones and smart noise reduction.
- **Bluetooth 6.0 Connectivity:** Ensures faster, more stable connections and lower latency.
- **Extended Battery Life:** Up to 8 hours of continuous use, with the charging case extending total playtime to 60 hours. Supports Type-C fast charging.
- **Comfortable and Durable Design:** Ergonomically designed, lightweight (8.2 grams per earbud), and IPX4 water-resistant.

### Components:

- NE20 Translation Earbuds (Left and Right)
- Charging Case with LCD Touch Screen
- Type-C Charging Cable

- Lanyard
- Quick Guide
- Instruction Manual



Image: Relxhome NE20 Translation Earbuds and their charging case.



## Voice Notes

Real-time voice recording, automatic language recognition and conversion to text output.

Image: Overview of the NE20 AI Translation Earbuds highlighting 6 practical functions including AI Intelligent Conversation Mode, Voice Memo, Photo Translation, Headphones + Phone, Binaural Mode, and Free Conversation.

## 3. SETUP

### 3.1 Initial Charging

Before first use, fully charge the earbuds and charging case. Connect the provided Type-C charging cable to the charging port on the case and a power source. The LCD screen will indicate charging status.

### 3.2 Pairing with Your Device

1. Ensure the earbuds are in the charging case and the case is open.
2. Activate Bluetooth on your smartphone or other compatible device.
3. On your device, search for "NE20" in the Bluetooth settings and select it to pair.
4. A confirmation message will appear on your device and the earbud case screen once successfully paired.



Image: Visual guide for connecting the NE20 earbuds to the Earjoy App via Bluetooth, showing steps to download, log in, connect via Bluetooth, and confirm connection in the app.

### 3.3 Earjoy App Installation

For full functionality, including advanced translation modes and settings, download the "Earjoy" app from your device's app store (iOS and Android compatible). You can also scan the QR code provided in the quick guide or visit the official website:

<https://earjoy.watchfun-intelligence.com/app-download-h5>

## Binaural Mode

Each person wears headphones and instantly initiates real-time two-way translation, making cross-language communication as natural and smooth as face-to-face conversations, offering the ultimate convenience of intelligent communication.



Image: The Earjoy App interface displayed on a smartphone, alongside the NE20 earbuds and charging case, illustrating app integration.

## 4. OPERATING INSTRUCTIONS

### 4.1 LCD Touch Screen Controls

The charging case features an LCD touch screen for direct control of various functions without needing your phone. Swipe left/right or tap icons to navigate:

- **Music Playback:** Control play/pause, skip tracks, and adjust volume.
- **Equalizer (EQ) Settings:** Customize audio profiles.
- **Language Selection:** Choose translation languages directly.
- **Alarms & Stopwatch:** Access time management tools.
- **Remote Photography:** Trigger your phone's camera remotely.
- **Find My Earbuds:** Locate misplaced earbuds.
- **System Settings:** Adjust brightness, wallpaper, time, and other device preferences.

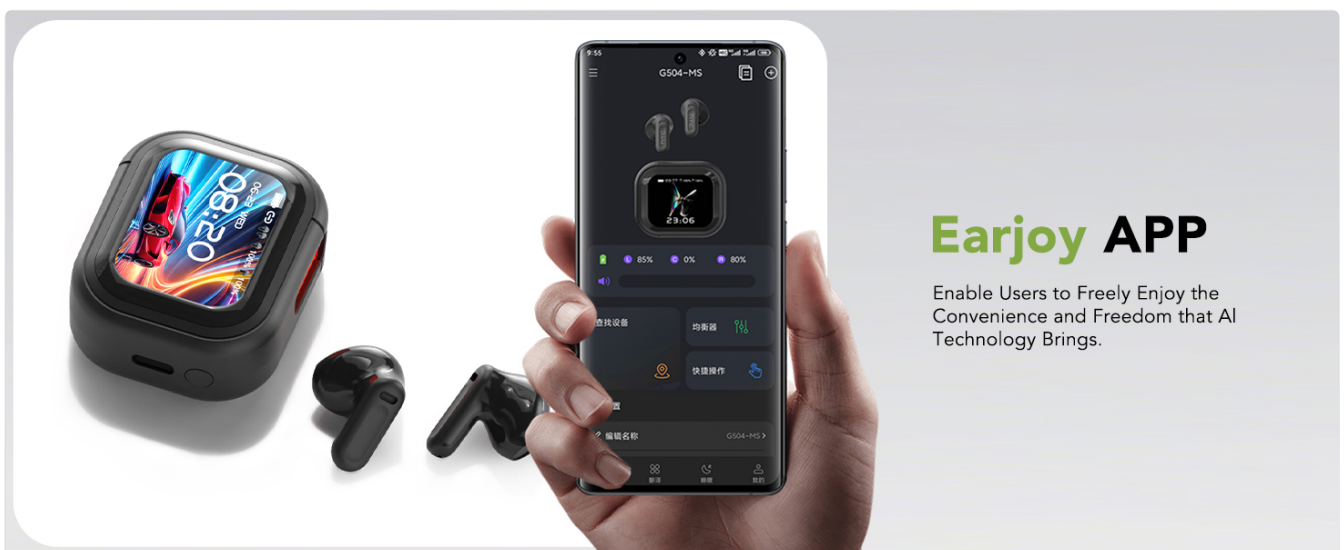


Image: The NE20 charging case with its LCD touch screen showing multiple interactive functions like music control, settings, and translation options.



## Free Speak Translation Mode

Real-time translation of lectures or courses into the selected language and generates synchronized transcripts, preserving the complete learning content and making cross-language understanding easy and efficient

Image: A detailed view of the NE20 charging case's LCD touch screen, illustrating various functions such as music playback, equalizer, TikTok controls, "Find My Headphones," camera, voice activation, mini-games, screen settings, brightness adjustment, wallpaper changer, menu background, time setting, language switching, touch wakeup, and AI translation.

## 4.2 Translation Modes

The NE20 earbuds offer 8 distinct translation modes, accessible via the Earjoy app or the LCD touch screen:


- **Free Call Mode:** For natural, two-way conversations.
- **Online Translation Mode:** Real-time translation for various scenarios.
- **Speaker Mode:** Use the phone as a speaker for translated speech.
- **AI Chat Mode:** Interact with the built-in AI assistant for information and suggestions.
- **Photo Translation:** Translate text from images (e.g., signs, menus) using your phone's camera.
- **Voice Note Mode:** Record voice notes and receive real-time transcription and translation.
- **Headphones + Phone Mode:** One person wears earbuds, the other uses the phone for two-way translation.
- **Binaural Mode:** Each person wears an earbud for seamless real-time two-way translation.

## NE20 AI Translation Earbuds

6 Practical Functions 100% Free to Use



AI Intelligent Conversation Mode



Voice Memo





Photo Translation



Headphones + Phone



Binaural Mode



Free Conversation



Image: A classroom setting where a speaker's words are translated in real-time on a smartphone and the NE20 earbud case, demonstrating seamless communication.



Image: An illustration of AI real-time translation between English and German, showing a conversation translated instantly between two individuals.



Image: A person using a smartphone to translate text on a road sign in real-time, demonstrating the Photo Translation Mode.

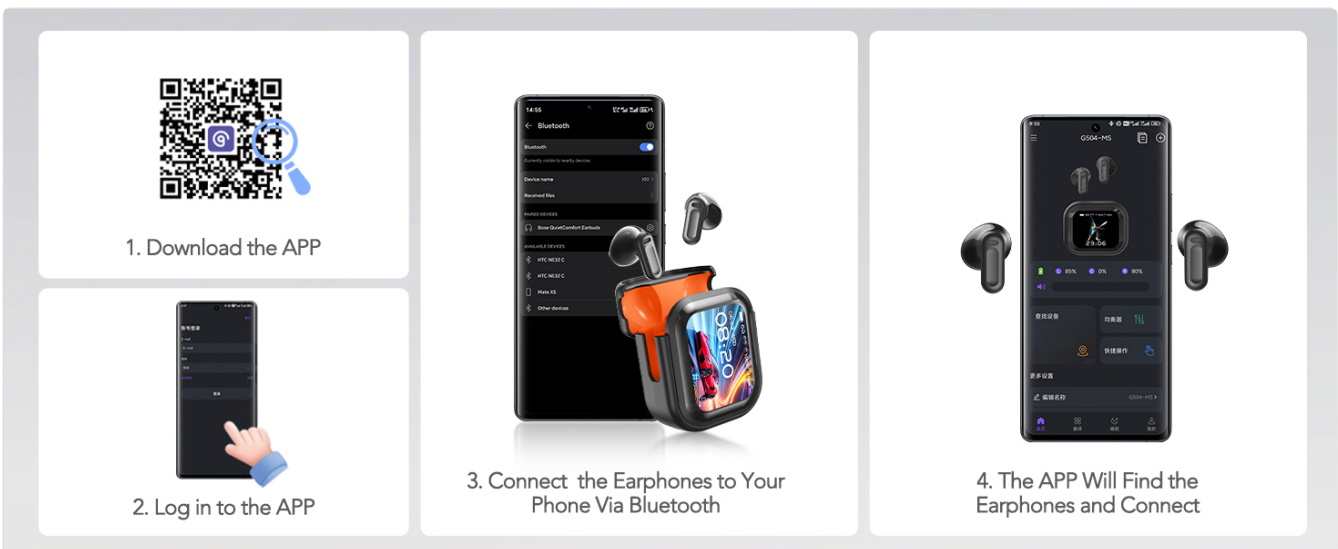


Image: A business meeting scene where the NE20 earbuds are used for voice note mode, capturing and translating spoken words in real-time on a smartphone.

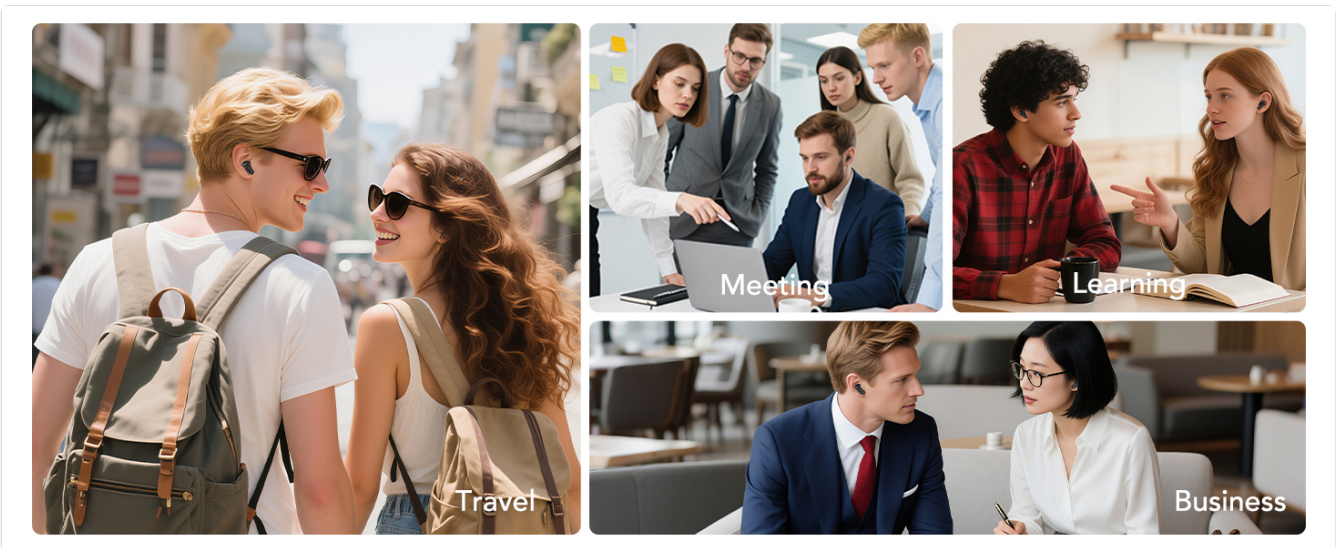


Image: Two individuals engaging in a conversation using the Headphones + Phone Mode, where one wears the earbuds and the other uses a smartphone for real-time translation.

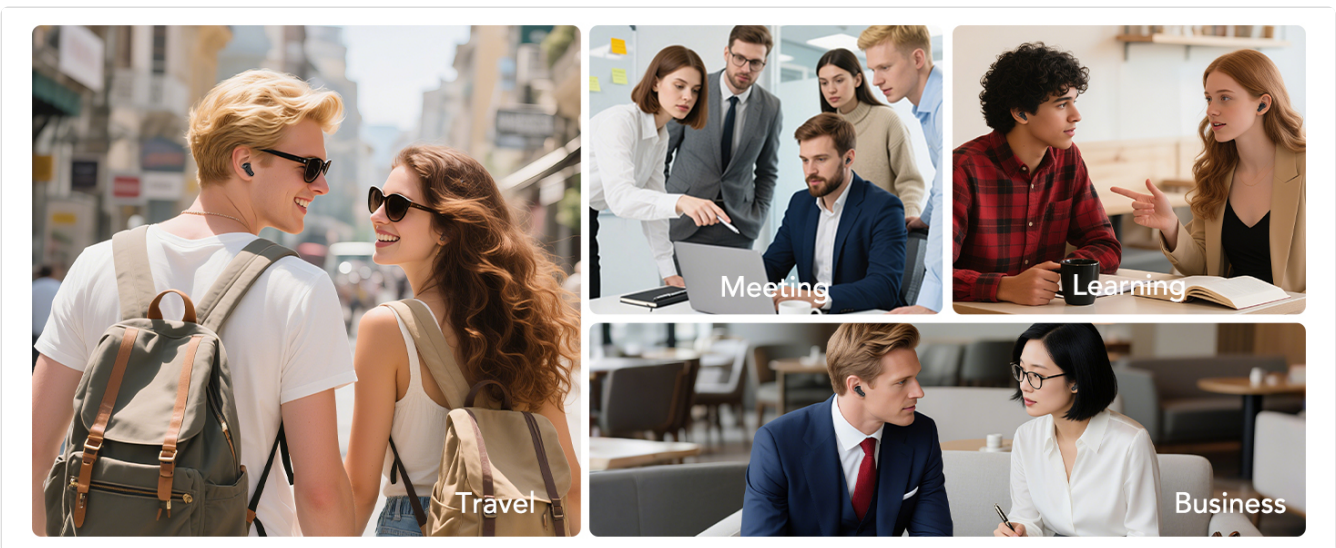


Image: A classroom scene depicting students benefiting from Free Speak Translation Mode, where lectures are translated in real-time for enhanced understanding.

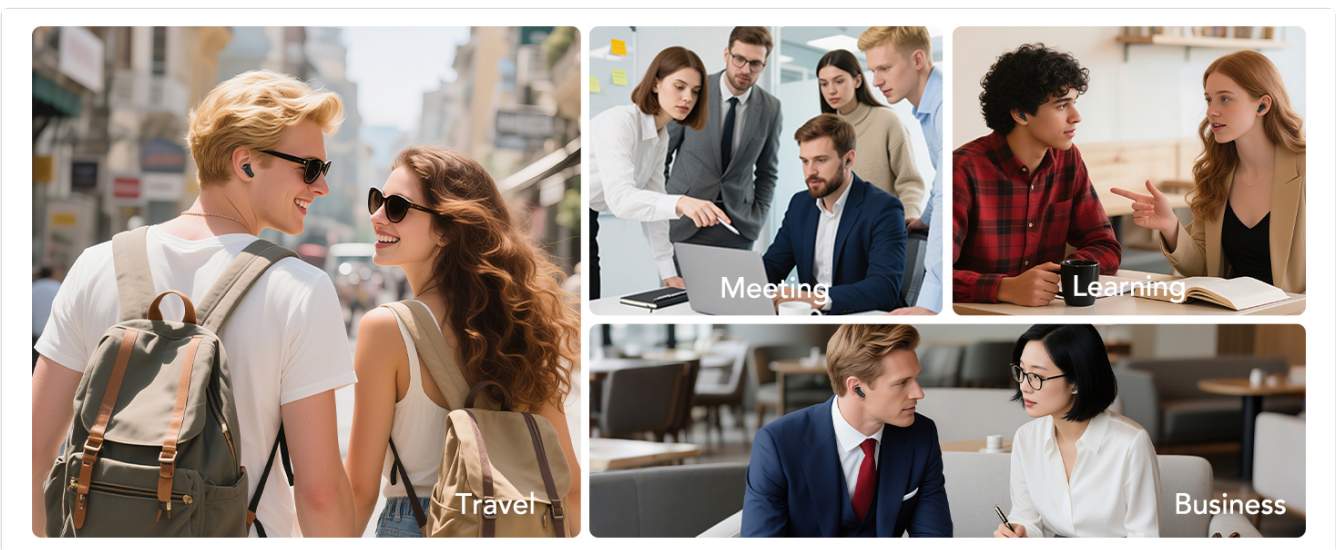


Image: Two individuals conversing face-to-face, each wearing an NE20 earbud, demonstrating the Binaural Mode for real-time two-way translation.

### 4.3 AI Assistant

The built-in AI assistant can provide information and suggestions. Simply activate the AI chat mode in the app or via the touch screen and speak your query.

## 4.4 Music and Calls

The NE20 earbuds function as standard Bluetooth headphones. Use the touch controls on the earbuds or the charging case screen to manage music playback (play, pause, skip, volume) and answer/end calls. Directional microphones and noise reduction ensure clear audio.

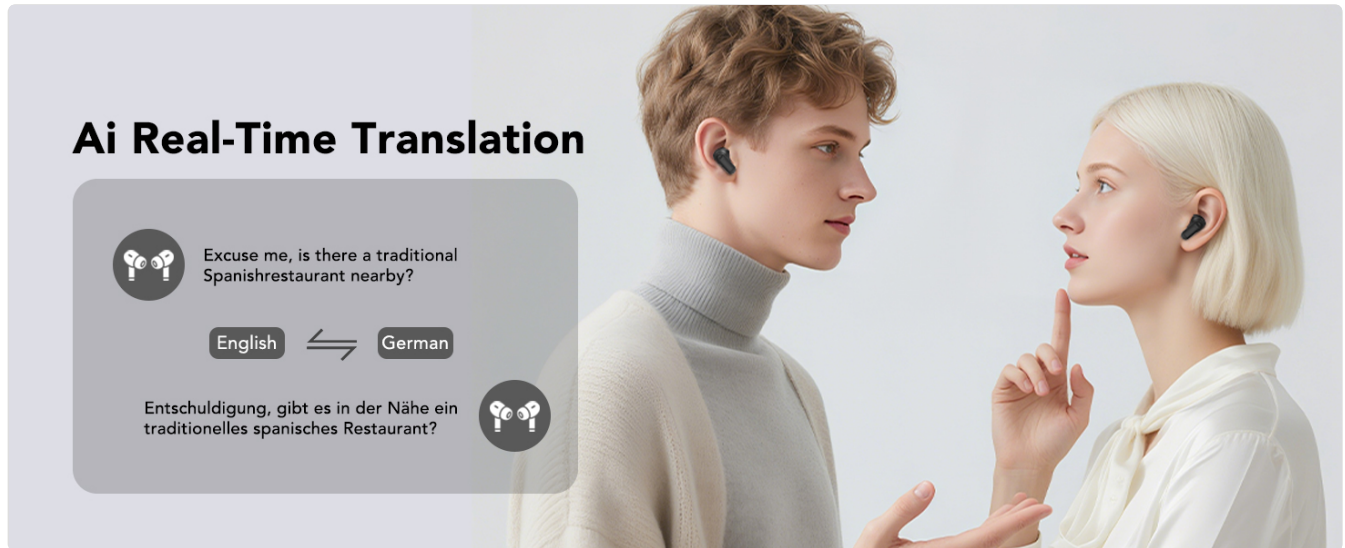


Image: An exploded view of the NE20 earbud's internal speaker driver components, highlighting its premium sound quality.

## 135 Languages and 72 Accents

Afrikaans	Chinese	German (Austria)	Maltese	Somali
Armenian	Catalan	German (Switzerland)	Norwegian (Literary)	Spanish (Venezuela)
Azerbaijani	Croatian	Galician	Nepali	Swedish
Amharic	Czech	Greek	Spanish	Swahili (Tanzania)
Arabic (United Arab Emirates)	Danish	German	Serbian	Spanish (Argentina)
Arabic (Bahrain)	Dutch	Gujarati	Slovak	Spanish (Bolivia)
Arabic (Algeria)	English	Georgian	Slovenian	Thai
Arabic (Egypt)	English (Australia)	Habrew	Swahili	Spanish (Chile)
Arabic (Israel)	English (Canada)	Hindi	Spanish (Equatorial Guinea)	Spanish (Colombia)
Arabic (Iraq)	English (UK)	Hungarian	Spanish (Guatemala)	Urdu
Arabic (Jordan)	English (Ghana)	Italian (Switzerland)	Spanish (Honduras)	Spanish (Costa Rica)
Arabic (Kuwait)	English (Ireland)	Lao	Spanish (Mexico)	Spanish (Cuba)
Arabic (Lebanon)	English (India)	Latvian	Spanish (Nicaragua)	Spanish (Dominican Republic)
Arabic (Libya)	English (Kenya)	Icelandic	Spain Panama	Zulu
Arabic (Morocco)	English (Nigeria)	Irish	Spanish (Peru)	Spanish (Ecuador)
Arabic (Oman)	English (New Zealand)	Italian	Spanish (Puerto Rico)	Telugu
Arabic (Palestinian Authority)	English (Philippines)	Indonesian	Spanish (Paraguay)	Vietnamese
Arabic (Qatar)	English (Singapore)	Lithuanian	Spanish (El Salvador)	Turkish
Arabic (Syria)	English (Tanzania)	Japanese	Spanish (United States)	Tamil
Arabic (Tunisia)	English (South Africa)	Kannada	Portuguese (Brazil)	Uzbek
Arabic (Yemen)	Estonian	Kazakh	Pashto	Ukrainian
Albanian	French	Khmer	Sinhala	Weish
Burmese	Finnish	Korean		
Bosnian	Filipino	Macedonian		
Bulgarian	French (Belgium)	Malay		
Bengali	French (Canada)	Marathi		
Basque	French (Switzerland)	Malayalam		
		Mongolian		

Image: A woman wearing NE20 earbuds on a subway, illustrating the effectiveness of the outstanding noise cancellation feature in a busy environment.

## 5. BATTERY AND CHARGING

The NE20 earbuds provide up to 8 hours of listening time on a single charge. The charging case extends the total battery life to approximately 60 hours. The case supports Type-C fast charging, fully recharging in about 1.5 hours.

- **Earbud Battery Life:** Up to 8 hours.
- **Total Playtime with Case:** Up to 60 hours.
- **Charging Time (Case):** Approximately 1.5 hours via Type-C.

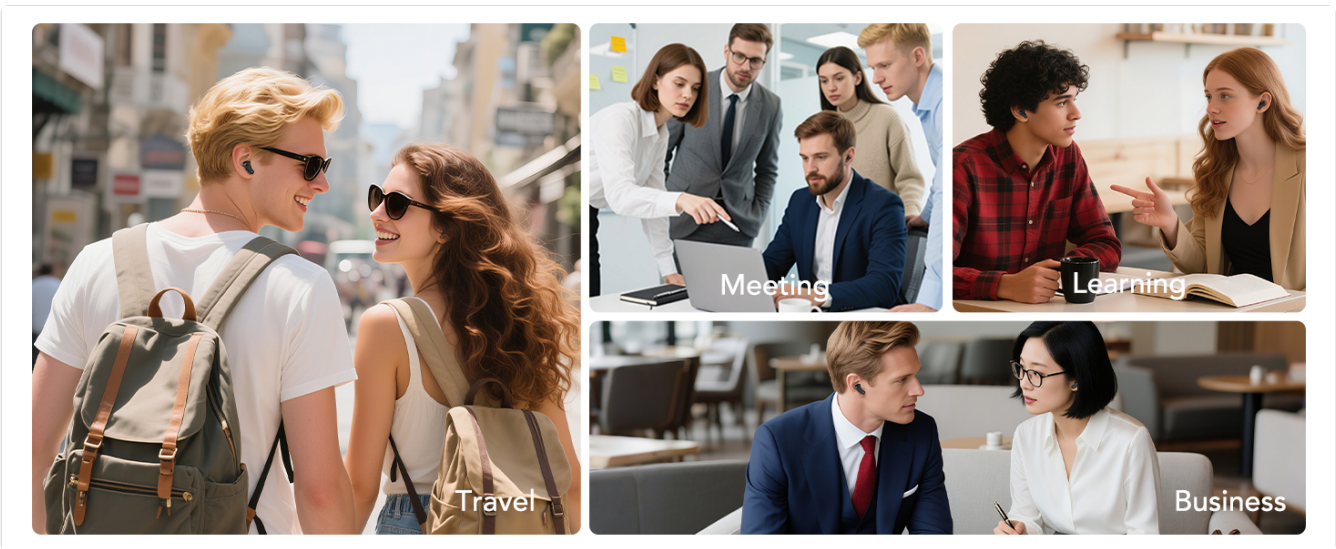


Image: The NE20 earbuds and charging case, highlighting the impressive 60 hours of total playtime and Type-C fast charging capabilities.

## 6. MAINTENANCE

- **Cleaning:** Regularly clean the earbuds and charging case with a soft, dry, lint-free cloth. Avoid using abrasive materials or harsh chemicals.
- **Water Resistance:** The earbuds are IPX4 water-resistant, meaning they are protected against splashing water from any direction. Do not submerge them in water. Dry thoroughly if exposed to moisture.
- **Storage:** Store the earbuds in their charging case when not in use to protect them and keep them charged.
- **Temperature:** Avoid exposing the earbuds to extreme temperatures (hot or cold).

### Camera Translation Mode

Just tap to instantly capture text and translate it into the selected language in seconds. Whether it's menus and road signs during travel, attraction descriptions, or foreign language materials and meeting documents, it can easily handle it



Image: A woman running in the rain while wearing NE20 earbuds, illustrating their lightweight, comfortable fit and IPX4 waterproof protection for outdoor activities.

## 7. TROUBLESHOOTING

Problem	Possible Solution
Earbuds not pairing	Ensure Bluetooth is enabled on your device. Make sure earbuds are charged and in pairing mode. Forget "NE20" from your device's Bluetooth list and re-pair.

Problem	Possible Solution
Translation not working	Check internet connection. Ensure the Earjoy app is open and updated. Verify correct source and target languages are selected. Speak clearly and at a moderate pace.
Poor audio quality	Ensure earbuds are clean and properly seated in your ears. Check device volume and EQ settings. Move closer to your connected device to avoid interference.
Charging issues	Verify the Type-C cable is securely connected to both the case and power source. Ensure the charging port is clean. Try a different charging cable or power adapter.
LCD screen unresponsive	Ensure the case is charged. Try restarting the case by closing and reopening it, or by placing the earbuds inside and closing the lid for a few seconds.

## 8. SPECIFICATIONS

Feature	Detail
Brand	Relxhome
Model Number	NE20
Ear Placement	In Ear
Noise Control	Environmental Noise Cancellation
Control Method	Touch
Bluetooth Version	6.0
Battery Life (Earbuds)	8 Hours
Total Battery Life (with Case)	60 Hours
Battery Charge Time	1.5 Hours
Frequency Range	20Hz - 20,000Hz
Audio Driver Type	Hybrid Driver
Water Resistance	IPX4
Compatible Devices	Smartphones, Tablets, Laptops, Desktops, Telephones, Music Production Equipment

## 9. OFFICIAL PRODUCT VIDEOS

### NE20 AI Translation Ear Buds Real Time with LCD Touch Screen

Your browser does not support the video tag.

Video: This video demonstrates the real-time AI translation capabilities of the NE20 earbuds, showcasing the LCD touch screen and various translation modes in action. It highlights the ease of use and the speed of translation.

### Product Introduction Video

Your browser does not support the video tag.

Video: A comprehensive introduction to the NE20 Translation Earbuds, detailing their design, features, and how they can be used in

different scenarios for communication and entertainment.

## User Review and Unboxing

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Video: A user review and unboxing of the NE20 Translation Earbuds, showcasing the product's packaging, components, and initial impressions of its features and design.

## NE20 Translation Earbud Features Overview

Your browser does not support the video tag.

Video: An overview highlighting key features of the NE20 Translation Earbuds, including their design, functionality, and benefits for users.

## 10. WARRANTY AND SUPPORT

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For warranty information and customer support, please refer to the documentation included in your product packaging or visit the official Relxhome website. Specific warranty terms may vary by region and retailer.