memorex®

MX-TW100
ENGLISH - USER MANUAL

FCC ID: 2A7PU-MXTW100

1. Characteristics

1.1 Technical specifications

Earbuds playtime: 5 h (music time) and 3 h (talk time)
Earbud battery: 40 mAh
Case playtime: 20 h
Case battery: 480 mAh
Frequency range: 20 Hz - 20 kHz
Protection rating: IPX4
Operation range: 10 m
Connectivity: Wireless 5.4
Technology: True Wireless Stereo
Average dB of ANC: -22 ± 3 db
Sensitivity: 96 dB
Impedance: 32 Ω
Charging time: 1.5 -2 h
Earbuds dimensions: 29.4 x 20.7 x 21.8 mm
Charging case: 64 x 50.7 x 28.8 mm
Case and earbuds material: ABS
Case charging time: 2 h
Earbuds charging time: 1.5 h
Input: DC 5 V
Earbuds weight: 3.6 g
Case weight: 32.4 g
Wireless frequency range: 2402-2480 GHz
Maximum transmitted power in frequency ranges: ≤ 2.5 mW

FCC COMPLIANCE STATEMENT

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part15 of the FCC Rules.

These limits are designed to provide reasonable protection against harmful interference in a residential installtion. This equipment generates, uses and can radiate radio frequency energy and, if not Installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

Reorient or relocate the receiving antenna. Increase the separation between the equipment and receiver.

Connect the equipment into an outlet on a circuit different from that to which the receiver is connected. Consult the dealer or an experienced radio/TV technician for help.

CAUTION: Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

FCC NOTICE:

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, includingthat may cause undesired operation.

FCC Radiation Exposure Statement:

The device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction.

SPECIAL NOTES

For users in U.S.

CAUTION
RISK OF ELECTRIC SHOCK DO NOT OPEN

CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK).
NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

Explanation of Graphical Symbols:

The lighting flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated "dangerous voltage" - within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.

The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

WARNING: TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.

FOR YOUR RECORDS
For your assistance in reporting this unit in case o f loss or theft, please record below the model number and serial number which are located at the bottom of the unit.

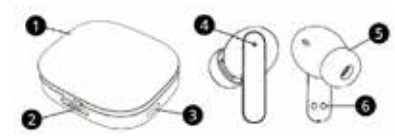
Please retain this information.
Model number _____
Serial number _____
Date of purchase _____
Place of purchase _____

To obtain service or product information,
call **1-877-506-4900**

1.2 In the box

1 x Pair of earbuds
3 x Pairs of earpads (S, M, L)
1 x Charging case
1 x USB-A to USB-C cable (30 cm)
1 x User manual

1.3 Product parts



1. Charging case
2. Indicator light
3. USB-C port
4. Indicator light / touch control
5. Earpad
6. Charging pin

2. Initial setup

2.1 Turning earbuds on/off

To switch the earbuds on, open the charging case, remove them and they will automatically turn on. To power the earbuds off, put them back into the charging case. They will start to charge automatically.

Note: If the product has not been used for more than 2 weeks, please charge it before use.

2.2 Earbuds pairing

Take the earbuds out of the charging chase to activate the pairing mode automatically.

Activate the wireless connection on your device, search for "**MX-TW100**" on the available devices list and select them. Once the earbuds have been connected to a device, they will pair automatically when taken out of the charging case.

After successful connection, if you turn off the phone's wireless connection or exceed the effective connection distance (obstacle-free environment 10 m), they will disconnect. If it is not connected to the device within 5 minutes, they will automatically turn off.

After the first successful connection, the phone will be connected to the last paired device by default.

Note: If the pairing name can not be found, please close and then activate the wireless connection to reconnect the earbuds.

2.3 Usage method

Play/Pause	Tap the right/left earbud once to play or pause the music.
Volume -/+	To decrease the volume, long press for 2 seconds the left earbud. To increase the volume, long press for 2 seconds the right earbud.
Previous song /Next song	To play the next song, tap the left earbud twice. To play the next song, tap the right earbud twice.
Answer/Hang up calls	To answer an incoming call, tap the left or right earbud once. To hang up, tap the left or right earbud once again.
Reject calls	To reject an incoming call, long press for 2 seconds on the right or left earphone. To activate the voice assistance, triple tap n the left earbud.
Voice assistants	To activate the voice assistance, triple tap n the left earbud.
ANC on/off/ transparent mode	When the device is turned off, it defaults to ANC off mode. Triple-tap to enable the Transparent mode. Triple tap again to enter the ANC on mode, and triple tap once more to return to ANC off mode. You can repeat the sequence to cycle through the different modes.

2.4 Earbuds reset

When the left and right earbuds are not interconnected or the devices cannot be paired, reset as follows:

1. Delete the earbuds pairing information on your phone.
2. When the earphones are turned on but not connected, simultaneously tap on the left/right earbud function key 5 times to reset. The earphones will flash white twice and then turn off.
3. After resetting the earphones, the pairing information recorded by them has been cleared. Please follow the pairing steps explained before to reconnect and use.

2.5 Charging

These earbuds have a built-in USB-C port. Connect the included cable in the package or a compatible cable to a wall charger, power bank, or computer output. It takes up to 2 hours to charge the earbuds up to full.

Keep the following information in mind:

Battery level: it can be displayed on your phone's status bar. This feature only works if your phone's operating system supports it.

- Earbuds charging status: while charging, the headset's indicator light will stay on. Once fully charged, the light will turn off.
- Headset low battery reminder: the headset will give a voice prompt to remind you of low battery. Please charge the earbuds in the charging case in time.
- Charging case charging: it is recommended to use the standard charger and the included charging cable.
- Charging case low battery reminder: when the charging case battery is too low, the indicator light will flash continuously. Please charge the charging case in time.

Note: If the earbuds LED indicator does not turn on during its charge, it should be due to a power supply issue. Please, check if the charging cable is correctly connected to the charging case. Check both ends of the cable, as well as the power supply state and the device you are using to charge.

2.6 Indicator light

Earbuds

Power on	White light turns on.
Power off	Blue light turns on and then off.
Waiting for pairing /Not pairing	White and blue light alternately flash.
Pairing	Indicator light turns off.
Battery low	Blue indicator lights flashes. The voice prompt "Battery low" will sound.
Charging	The white indicator light stays on.
Charging completed	The indicator light turns off.

Charging case

Charging	The red light indicator flashes.
Completed charging	The green light indicator stays on.
Low battery	The blue light indicator flashes.
Charging earbuds	The white light indicator stays on.
Earbuds charging Completed	The indicator light turns off.

2.7 Other functions

Manual on/off

In the off state, press the function key for about 8 seconds, so that the earphones turn on. In the on state, long press the function key for 8 seconds, so that the earphones disconnect and turn off.

Timeout without connection

If the earphones are not successfully connected to the device within 5 minutes in the pairing state, they will automatically turn off.

Wireless disconnection

After successful connection, if you turn off the phone's wireless connection or exceed the effective connection of 10 meters, they will disconnect. If it is not connected to the device within 5 minutes, they will automatically turn off.

3. App and functions

3.1 Download the app

The AI wireless earphones' compatible app is called "NebulaBuds". There are different ways to download it:

- Tap here to download the "NebulaBuds" app from Google Play or App Store.

- You can also download the app directly by typing "NebulaBuds" in the Google Play or the Apple App Store.

3.2 App setup

When opening the NebulaBuds app for the first time, allow all the necessary permissions to access it.

Allow the app to find wireless devices and connect accessories by activating wireless connection in your phone's settings.

Allow the use of wireless data (WiFi and cellular data), since some features may not be available if it's turned off.

3.3 App guide

At the top left of the app's home page, you will find an 'Operation Guide' containing videos to help you navigate. through it.



3.4 Simultaneous interpretation

Translate others' speech into your language and play it through the earbuds. Ideal for forums, classrooms, lectures and other scenarios.

1. Select the "Simultaneous Interpretation" feature on the home screen.



2. Allow transcription and location permissions.



3. Tap on the languages to switch them.



4. Tap on the button to start recording and translating.
5. Tap on the speaker icon on the right to turn off the audio playback.

6. Tap on the button again to end translation.
The recording will be saved automatically.



7. It waaill automatically save as a transcription on the summary and playback page.



3.5 Face-to-face translation Earbuds & phone mode

With the earbuds on, place your phone between the two parties. Both speeches will be translated and voice broadcasted.



1. Select "Earbud + Mobile Mode" on the home screen. Allow microphone and other permissions.
2. Tap on the language area to select a language. On the left is your language and, on the right, the other person's language. Quickly swap languages through the middle arrow.
3. When speaking, tap the earbuds icon. You can start speaking as soon as it changes colour. If the speech is long, press and hold the icon until you finish.
4. Tap the phone icon to speak. Once it changes colour, you can start.
5. Tap the return button in the upper left corner to end the translation and jump to the summary and replay screen.

Binaural mode

Each person has an earbud and the phone is placed between the two people. The two languages will be translated and broadcasted in the earbuds.

1. Select the "Dual Ear Mode" on the menu. Allow access to microphone and other permissions.
2. Select your language on the left earbud and the other person's language on the right earbud. Quickly swap languages through the middle arrow.

Binaural mode recording

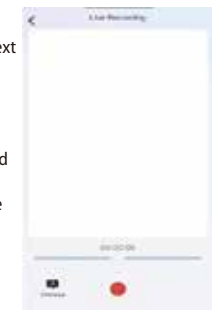
1. Tap on the red icon to start the translation. Both parties can speak at the same time. The results will be broadcasted through the left and right ears respectively.
2. Tap on the red icon to end the translation and jump to the summary and replay screen.



On-site recording

Put on the earbuds and transcribe the live conversation into text in real-time. Quickly complete meeting notes.

1. Select the "Live recording" feature on the home screen.
2. Allow microphone access and location permissions.
3. Select the meeting language in the bottom left corner. There are 115 languages available.
4. Tap on the red icon to start recording. The meeting will be automatically transcribed.
5. Tap again to stop the transcription. The recording will be automatically saved, and you will be redirected to the summary playback page.



6. During the recording, tap in the top left corner to not save the recording and return to the home screen.

3.6 Audio and video call translation

The AI earbuds can also translate online in real-time. The other party does not need to download the app.



1. ID invitation call: Select "Audio and Video Calls" on the home screen. Allow microphone and camera permissions.
2. First, select video or voice call. Then, select the languages.
3. If the other person has downloaded the app, enter their personal ID and tap on "Invite" to start the call.
4. The other party will receive a call invitation in the app. After tapping "Accept", the call will begin. During the video call, your voices will be translated in real-time.
5. If the other person does not have the app installed, tap to invite your friend directly. Copy the link with just a tap and share it with your friend. Return to this screen and wait for your friend to call back.
6. The other party can click the link to enter the chat room. You will r eceive a call invitation in the app. Once accepted, the real-time voice chat and translation will begin.



3.7 NebulaBuds, ChatGPT and DeepSeek



The NebulaBuds app includes integrated ChatGPT features, as well as DeepSeek, which works similarly to ChatGPT.

You can ask the NebulaBuds assistant about any topic: science, history, technology, art, writing, advice, recipes, coding, languages, and more.

You can also request ideas, summaries, explanations, or creative help.

You can ask real-time questions, such as the current weather in a specific location or what's trending in a particular field, among other options.

Through the DeepSeek option in the NebulaBuds app, you can also request the creation of an image with your chosen characteristics and dimensions.

3.8 Voice assistants

You can select the voice assistant you want from four different options.

You can choose to hear different type voices as well.



4. Safety, maintenance, and usage recommendations

Read all documentation and instructions provided before using the product.

Use only accessories compatible with the product.

Clean the product regularly with a dry cloth.

The product must be unplugged or switched off when cleaning.

Keep the product's ports and connectors clean from dust, dirt, etc., to ensure proper connection.

Avoid breaking the product.

Do not apply excessive pressure to any part of the product. If the product has a cable, do not bend it and do not pull it with excessive force to avoid damaging it.

Do not expose the product to a higher level of humidity than it was designed for.

If the product is resistant to liquids, after any immersion or use in liquids, rinse the product with fresh water and dry it.

Always keep the product in a dry place away from moisture.

Always keep the product away from flammable materials and do not expose it to fire, heat sources or extreme temperatures.

When the product is not in use, unplug it and store it in a clean, dry place away from moisture and dirt.

If water enters the product, immediately disconnect it from any power source or device to which it is connected.

Do not use the product for any purpose other than that for which it was designed.

Do not use the product if you notice any visible defects.

Do not open or disassemble the product or attempt to repair it yourself.

These actions invalidate the warranty.

Keep the product out of the reach of children.

Recycle the product in accordance with local environmental rules and regulations.

If the product includes a battery, maintain the state of charge between 20% and 80% of its capacity to preserve the battery life.

5. Disposal of Electrical and Electronic Equipment

All devices bearing this symbol are Waste Electrical and Electronic Equipment (WEEE, as per Directive 2012/19/EU) and must be disposed of separately at an appropriate collection point. Do not dispose of it with household waste. If the device uses batteries, they must be removed and deposited at a specific collection point. If the batteries are non-removable, do not attempt to extract them; this must be done by a qualified professional. Separate disposal and recycling help conserve natural resources and prevent harmful effects on human health and the environment that could result from incorrect disposal. The final price of this product includes the cost of environmental management for the proper treatment of the generated waste. For more information, contact your vendor or local waste management authorities.