TNICER G1 Ultra

TNICER G1 Ultra Motorcycle Intercom System User Manual

Model: G1 Ultra | Brand: TNICER

1. INTRODUCTION

The TNICER G1 Ultra is an advanced motorcycle intercom system designed to enhance your riding experience with seamless communication and entertainment. This device features a Bluetooth 5.2 dual-chip, Mesh 3.0 technology, and supports communication for up to 8 riders over a 1km range. It includes DSP&CVC dual noise cancellation for clear audio, FM radio, music sharing capabilities, Hi-Fi audio quality, and an IP65 waterproof and dustproof design. This manual provides detailed instructions for setup, operation, maintenance, and troubleshooting.

Image: TNICER G1 Ultra Intercom with dual chip and Bluetooth, highlighting its high performance.

Image: Overview of TNICER G1 Ultra features including Bluetooth 5.2 Dual Chip, 8-person Mesh & 6-person Bluetooth Intercom, Music Sharing & FM, 3.5mm Speaker Exchangeable, IP65 Waterproof + 1000mAh battery.

2. PACKAGE CONTENTS

Before proceeding with installation, please verify that all items listed below are included in your package:

- G1 Ultra Main Unit
- Speaker & Boom Microphone
- 3.5mm Universal Jack
- Base Plate
- 3M Double-Sided Tape
- 3M Single-Sided Tape
- Speaker Velcro
- Speaker Spacer
- Microphone Velcro
- Metal Clip
- USB Charging Cable
- User Manual

Image: Visual representation of all items included in the TNICER G1 Ultra package.

3. Setup

3.1. Helmet Installation

The G1 Ultra offers two methods for helmet installation: using a metal clip or double-sided tape. Choose the method that best suits your helmet type and preference.

Image: Illustration of the two installation methods: using double-sided tape and using a metal clip.

Method 1: Using the Metal Clip

1. Peel off the protective film from the single-sided mat and attach it to the base plate.
2. Insert the metal clip into the base plate.
3. Slide the base plate with the metal clip onto the bottom edge of your helmet.
4. Push the G1 Ultra main unit downwards into the base plate until it clicks into place.

Method 2: Using Double-Sided Tape

1. Peel off the protective film from the double-sided mat and attach it to the base plate.
2. Firmly attach the base plate with the double-sided tape to a flat surface on your helmet.
3. Push the G1 Ultra main unit downwards into the base plate until it clicks into place.

3.2. Speaker and Microphone Installation

Install the speakers and microphone inside your helmet for optimal audio quality and communication.

1. Attach the speaker Velcro pads to the inside of your helmet where your ears will be positioned.
2. Attach the speakers to the Velcro pads. Ensure they are centered over your ears for the best sound.
3. For full-face helmets, use the soft microphone. For jet helmets, use the hard boom microphone. Attach the microphone Velcro pad to the inside of the helmet near your mouth.
4. Connect the speaker and microphone cables to the G1 Ultra main unit. Ensure the 3.5mm jack is fully inserted. The earphone jack may be stiff, so insert it firmly.
5. Route the cables neatly under the helmet padding to avoid discomfort and ensure they are not pinched.

Video: Detailed instructions on how to install the G1 Ultra intercom system on a helmet, including mounting the main unit, speakers, and microphone.

3.3. Initial Bluetooth Pairing (Phone)

Pair your G1 Ultra with your smartphone to enable music playback, GPS navigation, and phone calls.

1. Ensure your G1 Ultra is powered off.
2. Press and hold the "multifunction" button on the G1 Ultra until the red and blue lights flash alternately to enter Bluetooth pairing mode.
3. On your smartphone, go to Bluetooth settings and search for available devices.
4. Select "G1 Ultra" from the list to connect. A successful connection will be indicated by a slow flashing blue light on the G1 Ultra.

Video: Step-by-step guide on how to pair the G1 Ultra with a Bluetooth device like a smartphone.

4. OPERATING INSTRUCTIONS

4.1. Power On/Off

- **Power On:** Press and hold the power button for approximately 3 seconds until the indicator light turns on.
- **Power Off:** Press and hold the power button for approximately 3 seconds until the indicator light turns off.

4.2. Mesh 3.0 Intercom Communication

The G1 Ultra features Mesh 3.0 intelligent network technology, allowing up to 8 riders to communicate freely over a 1km range. It supports a decentralized structure, enabling riders to join and leave the group without disrupting the connection.

1. Ensure all G1 Ultra units are powered on.
2. Press the intercom button on all devices simultaneously to activate Mesh networking. The intercom indicator light will show a rapid green flash.
3. Once pairing is complete, the green light will remain on, and you can start chatting directly.
4. To temporarily stop intercom communication, short press the power button on any device. To resume, short press the power button again.

Image: Visual representation of Mesh 3.0 communication, showing up to 8 riders connected over a 1km range.

Video: Demonstration of TNICER MESH Technology, showcasing group communication setup and functionality.

4.3. Bluetooth 5.2 Intercom & Multitasking

The G1 Ultra's Bluetooth 5.2 dual-chip design allows for real-time communication for up to 6 riders within a 1km range, even while simultaneously enjoying music, FM radio, or GPS navigation.

- **Simultaneous Use:** The dual-chip independently processes music/navigation and calls, allowing you to enjoy background audio while communicating.
- **Priority Management:** When a call starts, the music volume will automatically adjust to prioritize the conversation.
- **Automatic Reconnection:** If communication is temporarily interrupted due to obstacles or interference, the device will automatically reconnect once back within range.

Image: G1 Ultra Bluetooth 5.2 Dual Chip, illustrating independent processing for music/navigation and calls, enabling multitasking.

4.4. Music Sharing & FM Radio

Enhance your riding entertainment with integrated music sharing and FM radio functions.

- **Music Sharing:** In the 2-person music sharing mode, two riders can listen to the same music while maintaining intercom communication.
- **FM Radio:** The built-in high-sensitivity FM receiver supports the 76-108MHz frequency band, allowing you to receive local music and news broadcasts in real-time. Multiple users can listen to the same FM channel and converse simultaneously.
- **Audio Quality:** A professional audio decoder ensures clear and rich sound quality for music and broadcasts. Intelligent audio mixing balances background music and voice calls.

Note: Simultaneous music, FM, and intercom communication is not supported.
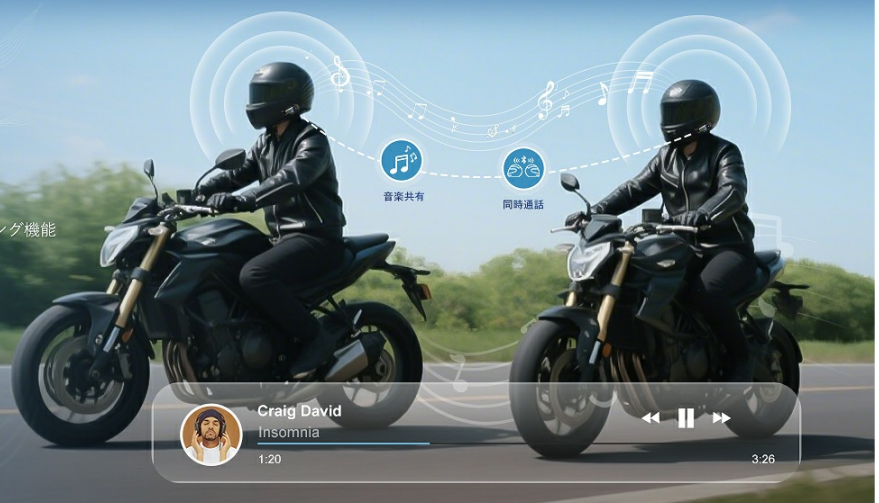
Image: Dual listening function allowing two people to enjoy the same music while talking.

FMラジオを聴きながら、仲間との通話も快適

76〜108MHzのワイドバンドFMに対応。
日本各地のFM放送をお楽しみいただけます。音楽も情報も手元に届く

◁ **80.0**MHz ▷

音量自動調節
ノイズキャンセリング
全国対応
走行安定化

40.0 50.0 60.0 70.0 80.0 90.0 100.0 110.0

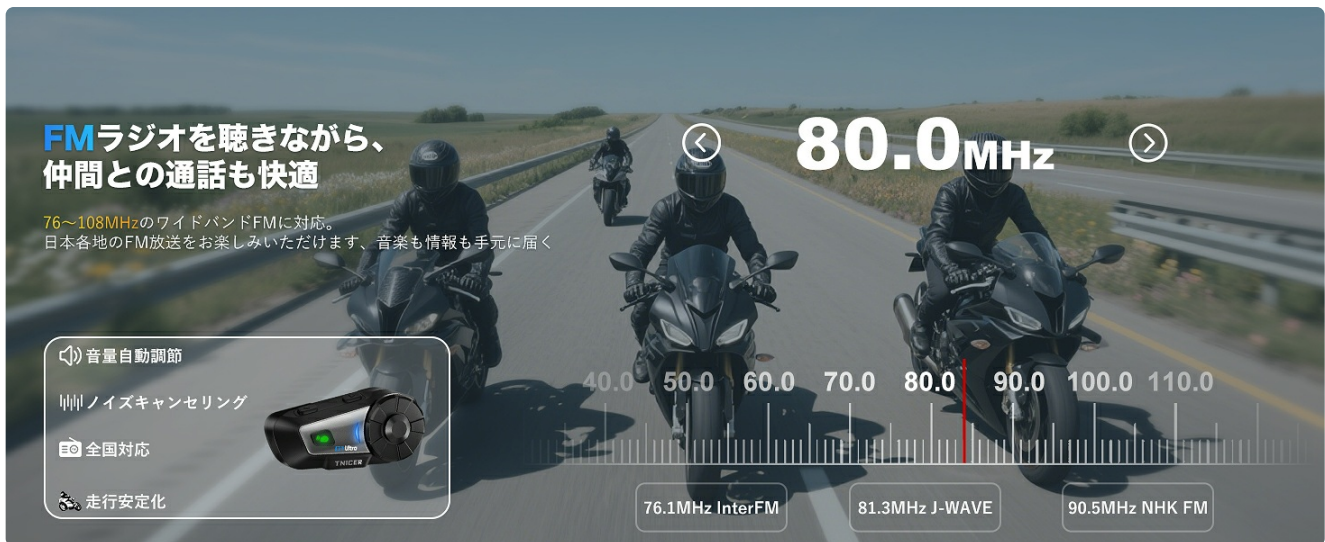76.1MHz InterFM   81.3MHz J-WAVE   90.5MHz NHK FM

Image: Riders listening to FM radio and communicating, showing the 76-108MHz wideband FM support.

Video: Instructions on how to share music between two G1 Ultra units.

4.5. Noise Cancellation & Audio Quality

The G1 Ultra integrates DSP+CVC dual noise cancellation technology and high-fidelity speakers for superior audio performance.

- **Dual Noise Cancellation:** DSP+CVC technology, combined with a high-density microphone sponge, effectively eliminates wind noise and engine sounds during riding.
- **Clear Voice Pickup:** A new windproof microphone array accurately captures human voice, ensuring clear communication even at high speeds.
- **Hi-Fi Speakers:** Built-in 40mm large-diameter Hi-Fi speakers reproduce powerful stereo sound, making music and calls clear and comfortable.
- **Optimized Sound:** A professional audio processing chip optimizes sound quality in real-time, transmitting human voices naturally. Innovative acoustic structure design suppresses echo, significantly improving voice recognition in multi-person conversations.

DSP精密処理 +CVC 12.0 ノイズ抑制+高密度マイクスポンジ

2種ノイズフィルター内蔵

20
15
10
5
0
-5
-15
-20

(20HZ)   (1000HZ)   (5000HZ)   (10000HZ)   (20000HZ)

高周波分解能   透明な中低域の解像度

卓越なノイズキャンセリング効果

Image: Illustration of DSP+CVC 12.0 Noise Suppression and high-density microphone sponge for excellent noise cancelling effect.
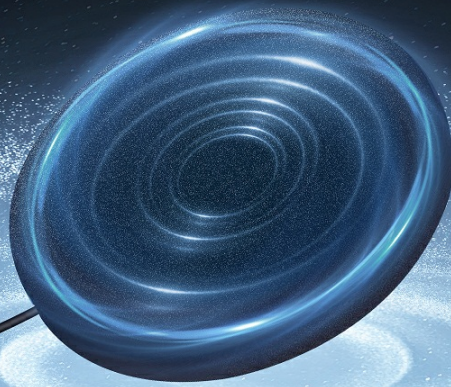
Image: Hi-Fi Grade Clear Sound, showing a 40mm large driver unit and high-resolution audio technology for faithful sound reproduction.

4.6. Third-Party Intercom Compatibility & Voice Assistant

The G1 Ultra supports universal Bluetooth protocols, allowing connection with one third-party intercom unit or GPS device (note: some models may have limitations). It features a smart voice system with switchable Japanese and English voice prompts for user-friendly operation.

Image: Connectivity Compatibility Section, showing connection with smartphones, GPS, and other intercoms. Note: Only one third-party device can be connected; multiple TNICER devices are supported.

5. MAINTENANCE

5.1. Battery Charging

The G1 Ultra is equipped with a high-performance 1000mAh lithium polymer battery, providing up to 25 hours of music playback, 22 hours of talk time, and 300 hours of standby time.

- **Charging Time:** Approximately 2 hours (from 0% to full charge).
- **Charging Indicator:** Red light indicates charging; blue light indicates fully charged.
- **Important:** Please use the included USB charging cable and a charging adapter of 5V/1A or less. Using an adapter with higher voltage/current may damage the device.

Image: 1000mAh Large Capacity Battery, showing charging time of 2 hours for up to 25 hours of continuous use.

5.2. Waterproof and Dustproof

The G1 Ultra features an IP65-rated waterproof and dustproof design, preventing water and dust ingress through its multi-layer structure. This ensures reliable operation even in heavy rain or dusty environments.

- **Caution:** Waterproof performance may degrade over long-term use.
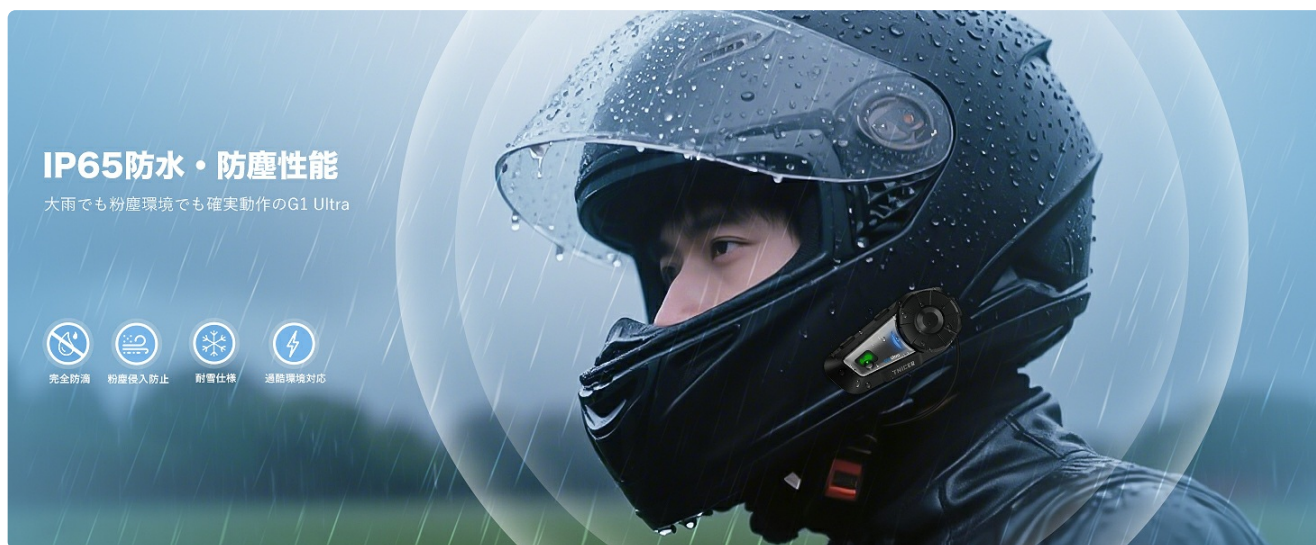- **Recommendation:** Avoid using the device in heavy rain. After use, promptly wipe the device dry.

Image: G1 Ultra operating reliably in rainy conditions, demonstrating its IP65 waterproof and dustproof performance.

6. TROUBLESHOOTING

No sound from earphones or microphone, or sound only from one side.

- **Solution 1:** Ensure the cable connector is fully inserted into the main unit's jack. Improper insertion can lead to no sound or sound from only one side. The earphone jack may be stiff, so insert it firmly.
- **Solution 2:** Try plugging and unplugging the earphones several times.

7. SPECIFICATIONS

Feature	Specification
Connectivity Technology	Wireless (Bluetooth)
Wireless Communication Technology	Bluetooth 5.2
Included Components	Ear cushions, Microphone
Item Weight	0.3 kg
Number of Items	1
Batteries Required	Yes
Manufacturer	TNICER
Model Number	G1
Product Model Number	G1
Headphone Style	Earphone
Headphone Jack	Mini USB

8. WARRANTY AND SUPPORT

For warranty information, technical support, or any inquiries regarding your TNICER G1 Ultra, please refer to the contact information provided on the product packaging or visit the official TNICER website. Keep your purchase receipt as proof of purchase for warranty claims.