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› **TIDRADIO CP200 CP110 Speaker Microphone with Earpiece User Manual**

TIDRADIO CP200 CP110 Speaker Mic

TIDRADIO CP200 CP110 Speaker Microphone with Earpiece User Manual

1. INTRODUCTION

This manual provides comprehensive instructions for the TIDRADIO CP200 CP110 Speaker Microphone with Earpiece. It is designed to enhance communication for users of compatible Motorola two-way radios by offering a convenient and robust external microphone and speaker solution, along with a private listening earpiece. Please read this manual thoroughly before use to ensure proper operation and maintenance.

2. PACKAGE CONTENTS

Verify that all items listed below are included in your package:

- 1 x TIDRADIO Speaker Microphone
- 1 x Acoustic Tube Earpiece (3.5mm jack)

Advantages



360° Rotate Clip



Note: Don't fit for Kenwood plug



Durable 3.5mm Earpiece Jack



Image 2.1: Contents of the TIDRADIO Speaker Microphone package, showing the speaker mic unit and the acoustic tube earpiece.

3. FEATURES

The TIDRADIO Speaker Microphone with Earpiece offers several key features for reliable communication:

- **Compact & Rugged Construction:** Designed for heavy-duty use with high impact strength.
- **Omni-Directional Microphone & Electret Speaker:** Ensures high-quality sound transmission and reception, even in noisy environments.
- **Durable Cable:** Features a PU cable reinforced by Kevlar fiber and a durable coil cord for high tensile strength and long life.
- **360-Degree Rotating Clip:** Allows for flexible attachment to clothing or gear.
- **Private Communication:** Includes a 3.5mm jack for connecting the receive-only earpiece.
- **Weather Resistance:** Built with an impact-resistant PVC casing (IP54 rated) for shock, wind, dust, and splash resistance.

TIDRADIO Ham Microphone with Mic Earpiece

Only work for Motorola

Walkie Talkies



Image 3.1: Visual representation of the speaker microphone's key features, including the rotating clip and earpiece jack.

4. COMPATIBILITY

This speaker microphone and earpiece are specifically designed for use with Motorola two-way radios. It is not compatible with Kenwood plug radios.

Compatible Motorola Radio Series:

- **CLS Series:** CLS446, CLS1110, CLS1410, CLS1413, CLS1450, CLS1450C, CLS1453CH
- **CP Series:** CP88, CP040, CP100, CP110, CP125, CP150, CP185, CP200, CP250, CP300, CP200D, XiR P3688, DP1400, DEP450, EP350 MX
- **GP Series:** GP2000, GP2100, GP300, GP308, GP68, GP88, GP88S, GP3688, GP3188, GP2000S, GP68
- **RDX Series:** RDV-5100, RDV2020, RDU2020, RDU2080D, RDU4100, RDU4160D, RDV2080D, RDV5100
- **XTN Series:** XTN446, XTN500, XTN600 XTN
- **XTN XV Series:** XV1100, XV2100, XV2600, XV4100
- **XTN XU Series:** XU1100, XU2100, XU2600, XU4100
- **AX Series:** AXV5100, AXU4100
- **Motorola Spirit Series:** SV10, SV11, SV11D, SV21, SV22, SV22C, SU210, SU22, SU22C, SU220 VHF/UHF Spirit, Spirit Pro, Spirit Pro+, Spirit HP 10
- **Spirit MU Series:** MU11, MU11C, MU11CV, MU12, MU12C, MU12CV, MU21C, MU21CV, MU22CVS, MU24CV, MU24CVST
- **Spirit MV Series:** MV11, MV11C, MV11CV, MV12, MV12CV, MV21C, MV21CV, MV22CVS, MV24CVS
- **SP Series:** SP10, SP21, SP50+, SP50
- **HYT Models:** TC-300, TC-446S, TC-500, TC500S, TC-508, TC-518, TC-580, TC585, TC-600, TC-610, TC-618, TC-620, TC-700, TC-700EX, TC-700EXplus, TC-850, TC-900, TC-2100, TC-2100H, TC2110, TC2100, PD405, OD406, PD415, PD505, PD565, PD-502, PD-562
- **Other Series:** Mag One, GTI, LTS2000, VL130, PMR446, ECP100, BPR400, EP450, AU1200, AV1200

Compatibility



Image 4.1: Examples of Motorola radios compatible with the TIDRADIO speaker microphone.

Video 4.1: This video demonstrates the TIDRADIO shoulder speaker microphone and earpiece, showcasing its components, 360-degree rotating clip, and compatibility with various Motorola two-way radio models.

5. SETUP

Follow these steps to set up your TIDRADIO Speaker Microphone and Earpiece:

1. **Connect Speaker Microphone:** Locate the two-pin audio jack on your compatible Motorola two-way radio. Align the two-pin connector of the speaker microphone with the radio's jack and firmly insert it until it clicks into place.
2. **Attach Earpiece (Optional):** If private listening is desired, insert the 3.5mm plug of the acoustic tube earpiece into the dedicated earpiece jack located on the side of the speaker microphone.
3. **Secure Microphone:** Use the 360-degree rotating clip on the back of the speaker microphone to attach it securely to your collar, lapel, or other convenient location on your clothing or gear.
4. **Position Earpiece:** Adjust the acoustic tube earpiece for a comfortable and secure fit in your ear. Use the small clip on the earpiece cable to manage excess cable and prevent snagging.

Advantages



Image 5.1: Close-up of the two-pin connector, illustrating the dimensions for proper connection to Motorola radios.

High Quality

Your Speaker Microphone Will Work For a Long Time



Protects life of your radio as there is no need to hold the radio in hand while using

Reinforced Cable



Image 5.2: The speaker microphone's 360-degree rotating clip for versatile attachment.

Perfect Size



Image 5.3: The acoustic tube earpiece, showing its design for discreet and comfortable listening.

6. OPERATING INSTRUCTIONS

Once connected, the speaker microphone functions as an extension of your two-way radio.

- **Receiving Audio:** Incoming transmissions will be heard through the speaker on the microphone unit. If the earpiece is connected, audio will be routed to the earpiece for private listening.
- **Transmitting Audio (Push-to-Talk - PTT):** To transmit, press and hold the large Push-to-Talk (PTT) button located on the side of the speaker microphone. Speak clearly into the microphone grille. Release the PTT button to stop transmitting and return to receive mode.
- **Volume Control:** Adjust the volume directly on your two-way radio. The speaker microphone and earpiece do not have independent volume controls.



Image 6.1: The TIDRADIO speaker microphone in use, demonstrating its ergonomic design for easy PTT operation.

7. MAINTENANCE

Proper care will extend the life and performance of your speaker microphone and earpiece:

- **Cleaning:** Wipe the unit with a soft, damp cloth. Do not use harsh chemicals or abrasive cleaners. Ensure the unit is dry before storage or next use.
- **Storage:** Store the microphone and earpiece in a cool, dry place away from direct sunlight and extreme temperatures.
- **Cable Care:** Avoid sharp bends or excessive pulling on the cables to prevent internal damage.
- **Earpiece Hygiene:** Regularly clean the acoustic tube and replace the earbud as needed for hygiene and optimal sound quality.

8. TROUBLESHOOTING

If you encounter issues with your speaker microphone or earpiece, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
No audio from speaker/earpiece	Loose connection; Radio volume too low; Faulty unit.	Ensure the two-pin connector is fully inserted. Increase radio volume. Test with another radio or accessory if possible.
Distorted or unclear audio	Loose connection; Microphone/speaker obstruction; Radio interference.	Check connections. Ensure microphone grille and speaker are clear of debris. Move away from potential interference sources.
Earpiece not working	Loose 3.5mm connection; Damaged earpiece cable/unit.	Ensure the 3.5mm earpiece jack is fully inserted into the speaker mic. Inspect earpiece cable for damage. Replace earpiece if necessary.
Cannot transmit (PTT not working)	Loose connection; Faulty PTT button.	Verify the two-pin connector is secure. Ensure the radio is powered on and functioning correctly.

9. SPECIFICATIONS

Specification	Detail
Item Weight	6.7 ounces
Package Dimensions	5.47 x 2.99 x 2.95 inches
Connector Type	Motorola 2-pin (Former pin diameter: 2.5 mm, After pin diameter: 3.5 mm)
Earpiece Jack	3.5mm (for receive-only earpiece)
Microphone Type	Omni-Directional Electret
Speaker Type	Electret
Cable Material	PU Reinforced by Kevlar Fiber
Clip	360-Degree Rotating Clip
Water Resistance Level	IP54 (Shock, wind, dust, and splash resistant)
Color	Black

Clear Voice Transmission

Microphone & Speaker Transmits
High Quality Sound Even in Loud
Environments and Helps to Provide
a Perfect Communication



Image 9.1: Cable length specifications for the speaker microphone and earpiece.

10. WARRANTY AND SUPPORT

For warranty information or technical support, please contact TIDRADIO customer service through their official website or the retailer from whom the product was purchased. Keep your purchase receipt as proof of purchase.