

Zastone C-Z218-MX1

Zastone Mini Z218 Dual Band Mobile Radio User Manual

Model: C-Z218-MX1

Brand: Zastone

1. INTRODUCTION AND OVERVIEW

The Zastone Mini Z218 is a compact and powerful dual-band VHF/UHF mobile radio transceiver designed for amateur radio enthusiasts. It offers reliable communication with a robust aluminum alloy body and a clear LCD display. This manual provides comprehensive instructions to help you set up, operate, and maintain your Zastone Mini Z218 for optimal performance and longevity.



Figure 1.1: Zastone Mini Z218 Dual Band Mobile Radio with Hand Microphone.

2. PACKAGE CONTENTS

Please verify that all items listed below are included in your package. If any items are missing or damaged, please contact your retailer or Zastone customer support.

- 1 x Zastone Z218 Two-way Car Radio
- 1 x Hand Microphone
- 1 x Mounting Bracket
- 1 x Power Line
- Screws (for mounting)
- 1 x English Instruction Manual



Figure 2.1: Included accessories and components of the Zastone Mini Z218.

3. SPECIFICATIONS

Feature	Specification
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Frequency Range	VHF: 136-174 MHz, UHF: 400-470 MHz
Channels	128
System	F3E (FM)
Antenna Impedance	50Ω
Frequency Stability	-10°C ~ +60°C
Input Voltage	DC 13.8V (±15%), Negative Ground
Output Power	High: ≤25W; Medium: ≤10W; Low: ≤5W
Max. Frequency Deviation	±5 KHz
Noise Radiation	≤-60dB
Flexibility	≤0.2uV (12dB SINAD)
Max. Audio Output	2W @ 8Ω 5% distortion
Working Current (Receive)	0.3A (squench)
Working Current (Transmit)	5A (max.)
Dimensions	4.1 x 4.2 x 1.2 inches (approx.)
Weight	1.8 lb (approx.)



Figure 3.1: Key features of the Zastone Mini Z218, including cooling, construction, and display.

4. SETUP

4.1 Mounting the Radio

Use the provided mounting bracket and screws to securely install the Z218 radio in your vehicle. Choose a location that allows for good ventilation and easy access to the controls and display.

4.2 Power Connection

The Zastone Mini Z218 is designed for easy plug-and-play operation. Connect the provided power line directly to your vehicle's cigarette lighter interface. Ensure the connection is secure to prevent power interruptions.



Figure 4.1: Simple power connection via cigarette lighter.

4.3 Microphone Connection

Plug the hand microphone into the designated port on the front panel of the Z218 radio. Ensure it clicks into place for a secure connection.

5. OPERATING INSTRUCTIONS

5.1 Powering On/Off

Press and hold the power button (usually integrated with the volume knob) to turn the radio on or off. The LCD display will illuminate.

5.2 Display and Channel Selection

The Z218 features a large LCD display that shows both VHF and UHF frequencies simultaneously. You can choose from 128 editable memory channels. Use the channel up/down buttons or the numeric keypad on the hand microphone to select your desired frequency or channel.

Canales de memoria editables

Hay 128 canales disponibles para que cada canal de memoria almacene la frecuencia de transmisión y la frecuencia de recepción de manera independiente. El micrófono de mano puede ingresar directamente al modo de acceso



128

canales
editables

Z218

16

canales no
editables

Otra banda

Figure 5.1: Editable memory channels on the Z218.

5.3 Hand Microphone Functions

The hand microphone provides direct access to various functions, including DTMF and 5-tone signaling. It features a backlit keypad for ease of use in low-light conditions. Refer to the diagram below for key assignments.

Confiable en diferentes ambientes

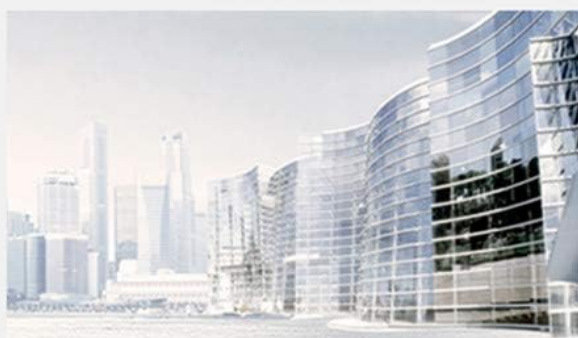
Darte una experiencia de viaje sin precedentes



Distancia de transmisión en la montaña:



Distancia de transmisión en plano:



Distancia de transmisión en la ciudad:



Figure 5.2: Hand Microphone and Radio Control Layout.

5.4 Power Output Adjustment

The Z218 allows you to select between high (25W), medium (10W), and low (5W) power output settings. Adjust the power output based on your communication needs and local regulations to conserve power and minimize interference.

5.5 Advanced Functions

The radio supports CTCSS/DCS codes for selective calling, as well as alarm, monitoring, selective call, group call, and remote functions. Consult the detailed English instruction manual included in your package for specific programming and usage of these advanced features.

5.6 Transmission Range

The effective transmission range varies depending on the environment:

- **Mountains:** Approximately 5-12 KM
- **Open Plains:** Approximately 13-15 KM
- **Urban Areas:** Approximately 6-10 KM

Conecta y reproduce

Alimentado desde el encendedor de cigarrillos, plug and play



Enchufe en la interfaz del encendedor de cigarrillos para obtener energía directamente

Fácil
instalación

Eliminación
rápida



Figure 5.3: Transmission range in various environments.

6. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your Zastone Mini Z218.

6.1 Cleaning

Wipe the radio and microphone with a soft, dry cloth. Do not use harsh chemicals or abrasive cleaners. Ensure no moisture enters the device.

6.2 Connection Checks

Periodically check all cable connections, including the power line and microphone cable, to ensure they are secure and free from damage.

6.3 Ventilation

Ensure the radio's cooling fan and vents are not obstructed. The aluminum alloy body and intelligent cooling fan are designed for efficient heat dissipation, which is crucial for stable operation.

7. TROUBLESHOOTING

If you encounter issues with your Zastone Mini Z218, refer to the following common troubleshooting steps. For more complex problems, consult the full English instruction manual or contact customer support.

7.1 No Power

- Check the power line connection to the cigarette lighter and the radio.
- Verify the vehicle's cigarette lighter socket is functioning.
- Inspect the fuse in the power line. Replace if blown.

7.2 No Signal or Poor Reception

- Ensure the antenna is properly connected and in good condition.
- Check the selected frequency or channel.
- Adjust the squelch level.
- Consider environmental factors that may block signals (e.g., large buildings, terrain).

7.3 Distorted Audio

- Adjust the volume level.
- Check the microphone connection.
- Ensure the radio is not operating in an area with strong electromagnetic interference.

8. WARRANTY AND SUPPORT

For information regarding warranty coverage and terms, please refer to the documentation included with your purchase or contact your retailer. For technical support, product inquiries, or service, please visit the official Zastone website or contact their customer service department. Keep your purchase receipt as proof of purchase for any warranty claims.