

ZOTEK zt-5566se

Zoyi 5566SE Digital Multimeter User Manual

Model: zt-5566se | Brand: ZOTEK

INTRODUCTION

This manual provides detailed instructions for the safe and effective operation of your Zoyi 5566SE Digital Multimeter. This versatile instrument combines essential measurement functions with a unique integrated Bluetooth speaker and voice broadcast capabilities, making it suitable for both home and industrial electrical tasks.

KEY FEATURES

- **Multifunctional Digital Multimeter:** Measures AC/DC voltage, resistance, capacitance, temperature, frequency, and performs diode testing.
- **Integrated Bluetooth Speaker:** Allows audio playback for entertainment or alarms during work.
- **Voice Broadcast Function:** Announces measurements aloud, enabling focus on the circuit.
- **Data Hold:** Conveniently stores key measurement results for later review.
- **Precise and Reliable Measurements:** Features True RMS technology and auto-ranging for accurate readings across wide ranges.
- **Durable and Portable Design:** Compact, lightweight, and equipped with a backlit LCD for visibility in various lighting conditions.
- **Rechargeable Battery:** Built-in battery for portability and extended use.

WHAT'S IN THE BOX

Upon opening the package, please verify that all components are present and in good condition:

- Zoyi 5566SE Digital Multimeter Unit
- Test Leads (Red and Black)

- USB Charging Cable
- User Manual (this document)



Image: Zoyi 5566SE Multimeter, test leads, USB cable, and user manual.

SETUP

1. Initial Charging

Before first use, fully charge the multimeter using the provided USB charging cable. Connect the USB-C end to the multimeter's charging port (DC5V 2A) and the USB-A end to a compatible power source (e.g., computer USB port, wall adapter). The battery indicator on the display will show charging status.

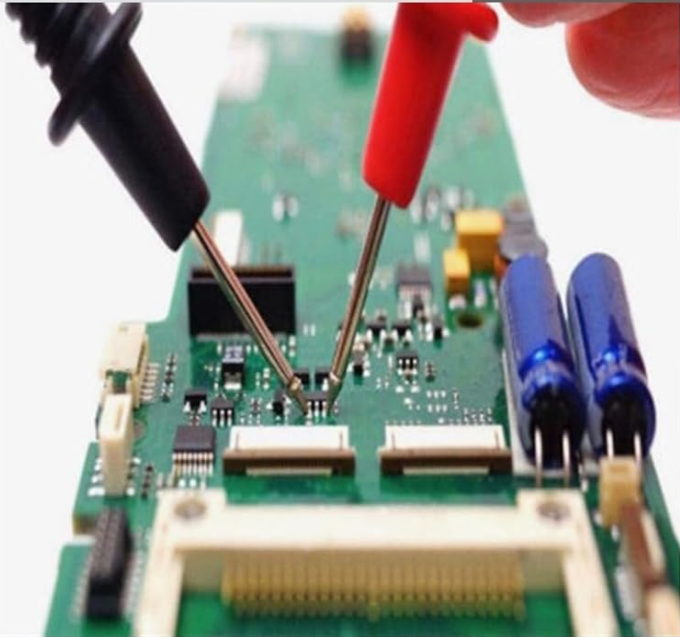


Image: Close-up of the USB-C charging port on the back of the multimeter.

2. Connecting Test Leads

Insert the red test lead into the "V-Ω-Hz" or "mA/A" input jack, depending on the measurement function. Insert the black test lead into the "COM" (common) input jack. Ensure a secure connection.

WORK
DUAL
PURPOSE
LIFE



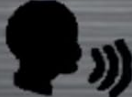

Multimeter function				Common functions in daily life	
$\bar{V}$	$\bar{mV}$	$\bar{A}$	$\bar{mA}$		
Hz	Ω	$\dagger\dagger$	$\rightarrow$		
			HOLD		

Image: Diagram showing proper connection of red and black test leads to the multimeter's input jacks.

OPERATING INSTRUCTIONS

Power On/Off

Press the power button to turn the multimeter on or off. The device features an auto-power-off function to conserve battery life if inactive for a period.

Function Selection

Use the function buttons on the top panel to select the desired measurement mode (e.g., AC/DC Voltage, Resistance, Capacitance, Frequency). The large LCD will display the selected mode and measurement results.

Voice Broadcasting Function

Voice Broadcast Switch



Press the Switch

Release the Switch

**Current measurement
value of voice
broadcasting**



**Voice broadcasting
stopped**



**Wirelessly connect to your phone via Bluetooth for music
playback while working**

Image: Front view of the Zoyi 5566SE Multimeter, highlighting the large digital display and control buttons.

Voice Broadcast Function

To activate voice broadcast, press the dedicated voice broadcast button (often integrated into the test lead or on the unit itself). The multimeter will audibly announce the current measurement value. Release the button to stop the broadcast. This feature is particularly useful when visual access to the display is limited.

PRODUCT PARAMETERS

AC/DC millivolt Capacitance AC/DC current Maximum/minimum value

AC/DC voltage Resistance Continuity/Diode Data hold Relative

V Hz mV Hz Ω -| | A mA HOLD MAX/MIN REL

DIGITAL MULTIMETER & BLUETOOTH SPEAKER

COM public side A Current test end

mA Current test side VOL/RANGE transformation key

Voltage/resistance/capacitance /diode/on-off measurement Adjust volume /measurement range options

Specifications	Range	Accuracy
DC Voltage	19.999mV/199.99mV/1.9999V/19.999V/199.99V/1000V	±(0.05%+3)
AC Voltage	19.999mV/199.99mV/1.9999V/19.999V/199.99V/750V	±(0.3%+3)
DC Current	19.999mA/199.99mA/1.9999A/19.999A	±(0.5%+3)
AC Current	19.999mA/199.99mA/1.9999A/19.999A	±(0.8%+3)
Resistance	199.99Ω	±(0.5%+3)
	1.9999kΩ/19.999kΩ/199.99kΩ	±(0.2%+3)
	1.9999MΩ/19.999MΩ	±(1.0%+3)
Capacitance	199.99nF	±(5.0%+5)
	9.999nF/999.9nF/9.999μF/99.99μF/999.9μF	±(2.0%+5)
	9.999mF	±(5.0%+5)
Frequency	9.999Hz/99.99Hz/999.9Hz/9.999kHz/99.99kHz/999.9kHz/9.999MHz	±(0.1%+2)
Power amplifier	2*5W	±(0.1%+2)
Temperature	Environment Temperature	
Continuity/ Diode	●/●	
Features		
Auto/Manual ranging	True RMS	Data Hold
Backlight	Low battery alert	Auto power off
Relative measurement	Max/Min	Clock/Alarm Clock
Bluetooth 5.0	Voice Broadcast	
General		
Power Supply	2 x 18650 Lithium Battery	
Dimension	200*135*106mm	
Weight	875g	

Battery compartment

Power switch

Time alarm setting key

°C/°F switch

Charging power interface (maximum input DC5V 2A)

Increase screen brightness /Clock value

Decrease screen brightness /Clock value

Image: Illustration demonstrating the voice broadcast function, showing a user pressing a button on the test lead to hear the measurement.

Bluetooth Speaker Operation

The Zoyi 5566SE features a built-in Bluetooth speaker. To connect, ensure the multimeter is powered on. On your mobile device, search for "DMM music" in your Bluetooth settings and pair. Once connected, you can play audio through the multimeter's speaker. The speaker is located on the side of the unit.



Image: Close-up of the side of the multimeter, showing the integrated Bluetooth speaker grille.

Measurement Examples

- **Voltage Measurement:** Select AC V or DC V mode. Connect test leads in parallel to the circuit.
- **Resistance Measurement:** Select Ω mode. Ensure circuit is de-energized. Connect test leads across the component.
- **Capacitance Measurement:** Select F mode. Ensure capacitor is discharged. Connect test leads across the capacitor.
- **Frequency Measurement:** Select Hz mode. Connect test leads to the signal source.

THE MEASUREMENT OF DIFFERENT FUNCTIONS

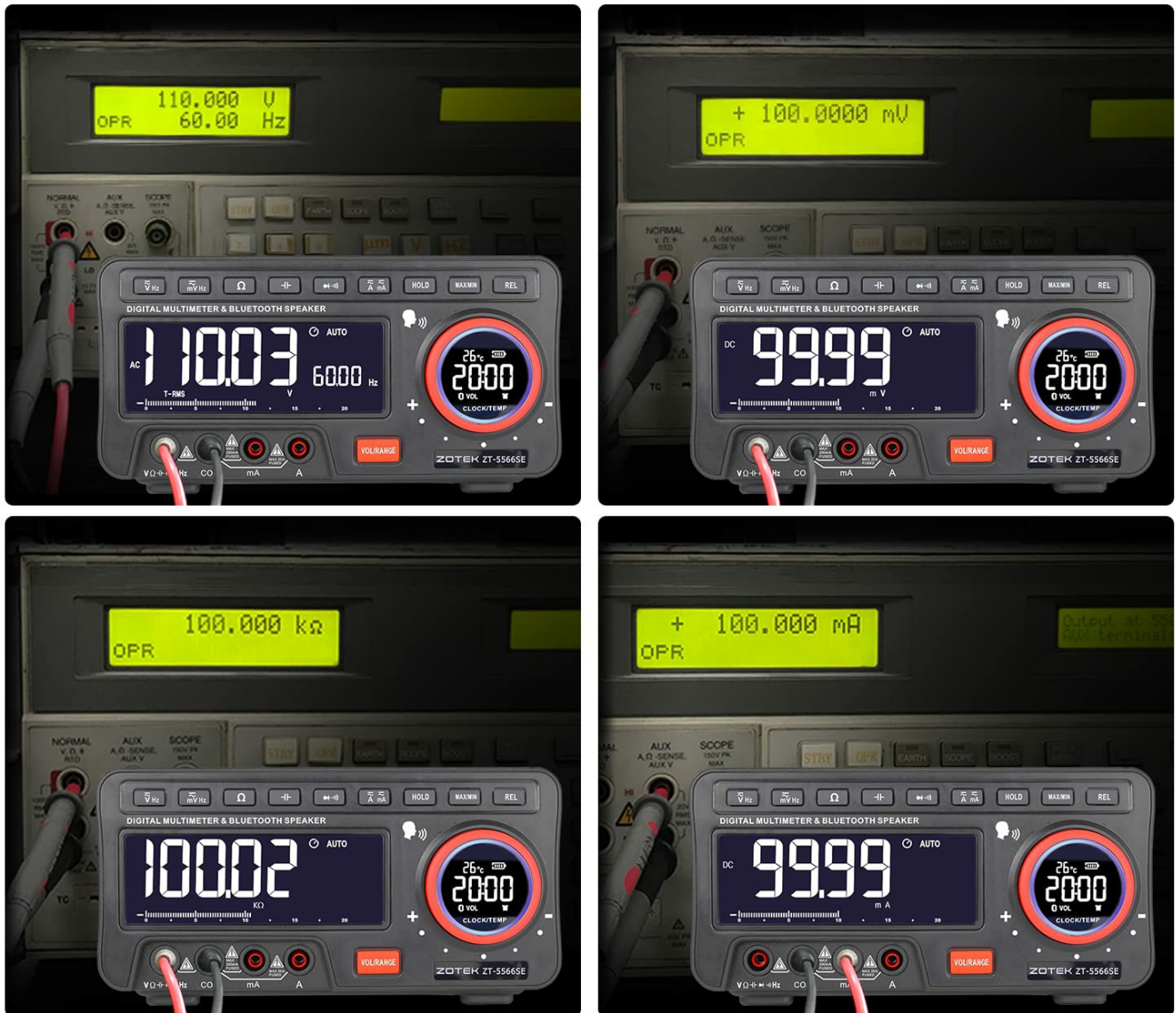


Image: Four panels showing the multimeter displaying different measurement types: AC Voltage, DC Voltage, Resistance, and Current.

MAINTENANCE

- **Cleaning:** Use a soft, damp cloth to clean the exterior of the multimeter. Do not use abrasive cleaners or solvents.
- **Battery Care:** Recharge the battery regularly to maintain its lifespan. Avoid fully discharging the battery for extended periods.
- **Storage:** Store the multimeter in a cool, dry place away from direct sunlight and extreme temperatures.
- **Test Lead Inspection:** Periodically inspect test leads for any signs of damage, such as cracks or frayed insulation. Replace damaged leads immediately.



Image: Rear view of the multimeter, showing the battery compartment cover and a warning about removing test leads before opening the case.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Multimeter does not power on.	Low or depleted battery.	Charge the multimeter fully using the provided USB cable.
Inaccurate readings.	Incorrect function selected; damaged test leads; environmental interference.	Verify the correct function is selected. Inspect and replace test leads if damaged. Move away from strong electromagnetic fields.
Bluetooth speaker not connecting.	Multimeter not in pairing mode; incorrect device selected.	Ensure multimeter is on. On your device, search for "DMM music" and pair. Restart both devices if necessary.
Voice broadcast not working.	Voice broadcast function not activated; low volume.	Press the voice broadcast button. Adjust the volume using the volume controls on the multimeter.

SPECIFICATIONS

Parameter	Value
Product Dimensions	9 x 5.9 x 6.1 inches
Item Weight	1.93 Pounds
Model Number	zt-5566se
Brand	ZOTEK
Power Source	Battery Powered
Style	Digital

Parameter	Value
Manufacturer	ZOTEK



Image: A table showing detailed technical specifications including measurement ranges and accuracy for the multimeter.

WARRANTY AND SUPPORT

For detailed warranty information and customer support, please refer to the official ZOTEK website or contact their customer service. A comprehensive PDF user manual is also available for download:

[Download Full User Manual \(PDF\)](#)

For additional product information and support, visit the [ZOTEK Store on Amazon](#).

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ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question