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› Xin Tester XT-33A Digital AC Circuit Breaker Finder Tool User Manual

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Model: XT-33A

INTRODUCTION

The Xin Tester XT-33A is a professional and efficient digital AC circuit breaker finder tool designed to assist electricians, DIY enthusiasts, and beginners in identifying live devices and detecting disconnected locations of AC 90-120V 50/60Hz electric wires and sockets. This tool integrates a GFCI outlet tester and a Non-Contact Voltage (NCV) detector for enhanced safety and functionality.



Image: The Xin Tester XT-33A kit, including the receiver, transmitter, 9V battery, and carrying case.

PRODUCT COMPONENTS AND OVERVIEW

The Xin Tester XT-33A kit includes the following components:

- **Receiver Unit:** The handheld device used to scan circuit breakers.
- **Transmitter Unit:** The plug-in device inserted into an electrical outlet.
- **9V Battery:** For powering the receiver unit.
- **Carrying Case:** A durable, anti-fall EVA case for storage and transport.
- **User Manual:** This document provides detailed instructions.



Image: Detailed diagram showing the sensing tip, flashlight, circuit status indicator, signal indicator, SCAN button, NCV button, sensitivity button, flashlight/power On/Off selection button on the receiver, and the GFCI test button, indicator light description, and LED status indicator on the transmitter.

SETUP

1. Battery Installation

1. Locate the 9V battery door on the back of the receiver unit.
2. Open the battery compartment.
3. Connect the provided 9V battery, ensuring correct polarity.
4. Close the battery compartment securely.

2. Powering On/Off

- To power on the receiver, long press the Flashlight/Power On/Off Selection button.
- To power off the receiver, long press the Flashlight/Power On/Off Selection button again.
- The transmitter unit powers on automatically when plugged into an active electrical outlet.

How To Use

Please refer to the last page of the manual for more details on how to use the product

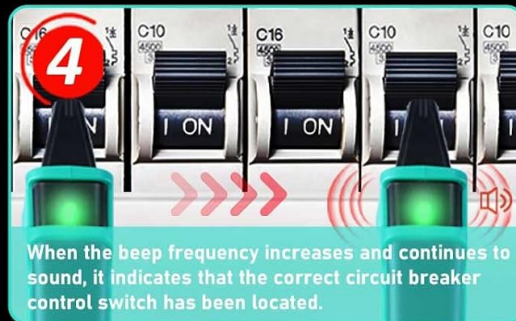
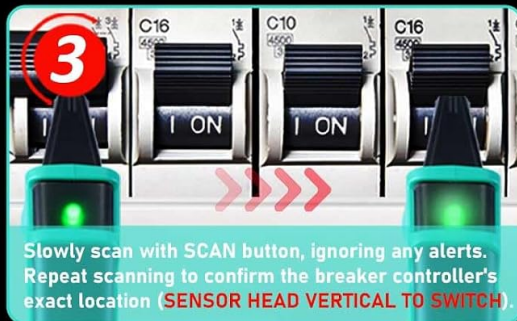
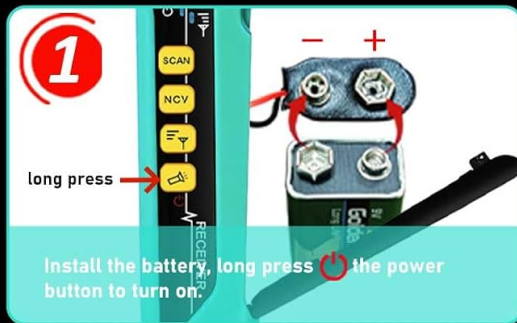


Image: Visual instructions for battery installation and initial use of the device.

OPERATING INSTRUCTIONS

1. Circuit Breaker Identification (Scan Mode)

1. Plug the transmitter unit into the electrical outlet or fixture you wish to trace. Ensure the transmitter is powered on (indicated by green and red lights).
2. Go to your electrical panel. Power on the receiver unit.
3. Slowly scan the circuit breakers in the panel with the sensing tip of the receiver. During the first scan, the receiver will emit a flashing light to quickly identify potential circuit breakers. Ignore any sound or visual indications at this stage.
4. Perform a second scan. As you approach the correct circuit breaker, the receiver's beep frequency will increase and become continuous, accompanied by flashing lights. This indicates the exact circuit breaker controlling the outlet.

SCAN MODE

(Find Your Breaker In Just 2 Scans)

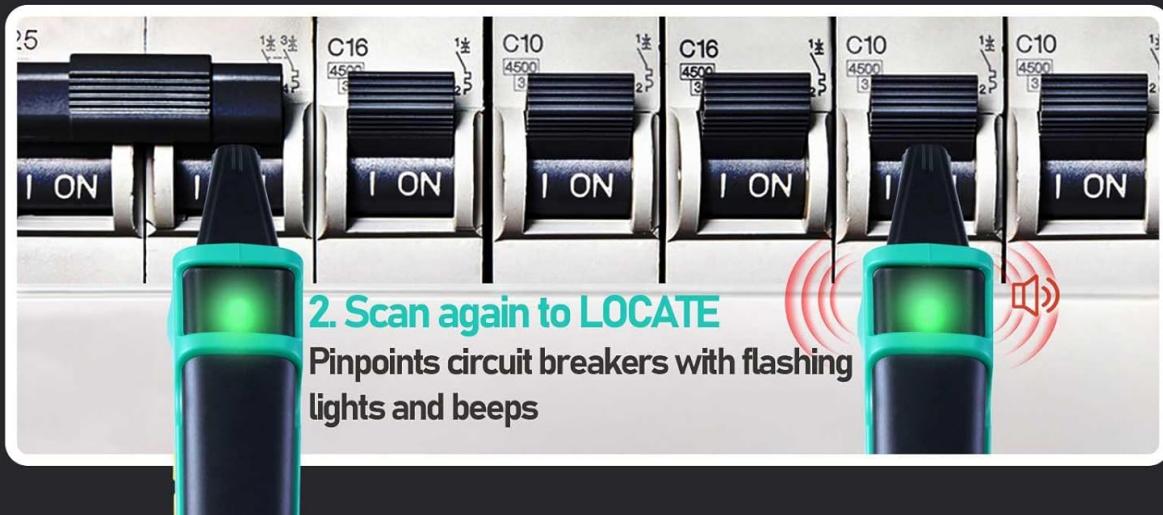
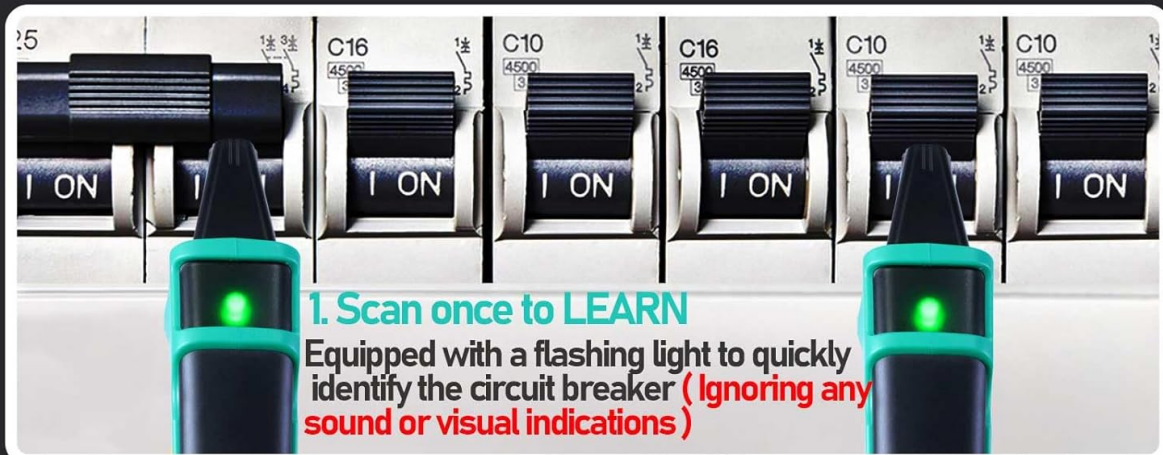


Image: Illustration of the two-step scan mode for identifying circuit breakers.

2. Sensitivity Adjustment (Manual Mode)

In complex environments or lines with irregular routing, the initial scan mode might not pinpoint the exact breaker immediately. The XT-33A features adjustable sensitivity to help in such situations.

- If the initial scan is inconclusive, press the Sensitivity button on the receiver to switch between different sensitivity levels (low to high).
- Repeat the scanning process with adjusted sensitivity until the target circuit breaker is accurately located.

MANUAL MODE (Sensitivity Adjustment)

In complex environments or lines with irregular routing, you can first use the scan mode to test. If you cannot find the correct circuit breaker, you can press the signal strength key to switch to different sensitivities and test repeatedly to accurately locate the target.



Image: Demonstration of the sensitivity adjustment feature on the receiver unit.

3. Non-Contact Voltage (NCV) Detection

The NCV mode allows for quick detection of live electrical wires without direct contact, enhancing safety during electrical work.

- Press the NCV button on the receiver to activate NCV mode.
- Place the sensing tip near a wire or socket. The receiver will indicate the presence of AC voltage through visual and audible alerts.

4. GFCI Outlet Testing

The transmitter unit includes a built-in GFCI outlet tester to inspect wiring conditions and test GFCI devices for proper functionality.

- Plug the transmitter into a GFCI-protected outlet.
- Observe the LED status indicators on the transmitter to determine the wiring condition (e.g., correct wiring, open ground, open neutral, open hot, hot & ground reverse, hot & neutral reverse, hot on neutral with hot open).
- Press the GFCI test button on the transmitter. If the GFCI device trips, it is functioning correctly.

LED STATUS INDICATOR

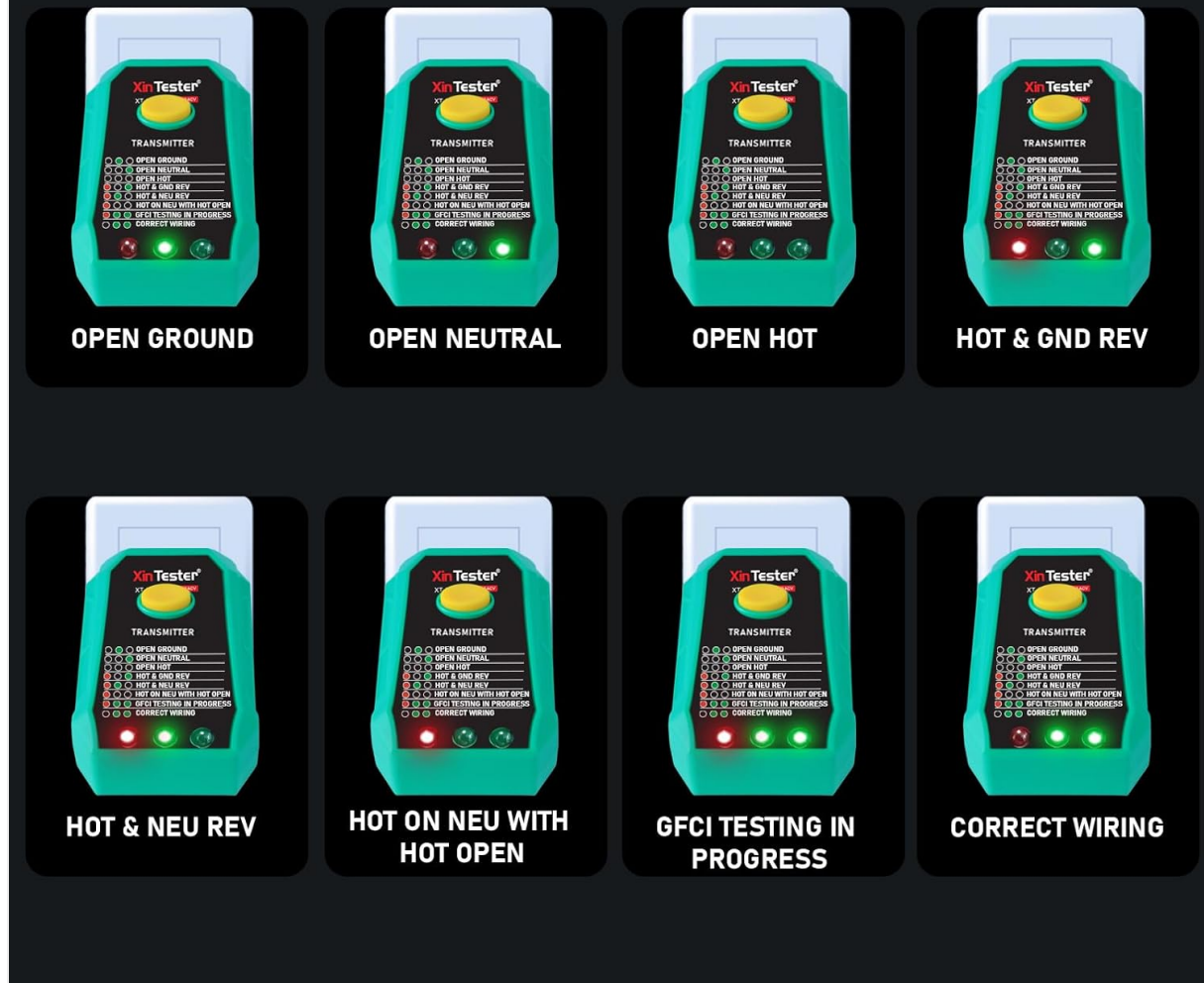


Image: Explanation of the LED status indicators on the transmitter for various wiring conditions.

5. Flashlight Function

- Short press the Flashlight/Power On/Off Selection button on the receiver to turn the built-in high-brightness LED flashlight on or off. This is useful for working in dim or dark environments.



Image: Visual guide for using the NCV mode and the integrated flashlight.

Official Product Video: Xin Tester XT-33A Digital AC Circuit Breaker Finder Tool

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Video: This official product video demonstrates the key features and operation of the Xin Tester XT-33A Digital AC Circuit Breaker Finder Tool, including GFCI testing, NCV detection, and circuit breaker identification.

MAINTENANCE

- **Cleaning:** Wipe the device with a dry, soft cloth. Do not use abrasive cleaners or solvents.
- **Storage:** Store the tool in its provided carrying case in a cool, dry place when not in use. Remove the 9V battery if storing for extended periods to prevent leakage.
- **Battery Replacement:** Replace the 9V battery when the low battery indicator appears or if the device does not power on.

TROUBLESHOOTING

If you encounter issues with your Xin Tester XT-33A, consider the following:

- **Device Not Powering On:**
 - Ensure the 9V battery is correctly installed and has sufficient charge. Replace if necessary.
 - Verify that the power button is long-pressed to activate the device.
- **Inaccurate Circuit Breaker Identification:**
 - Adjust the sensitivity level of the receiver (Manual Mode) to a lower setting, especially in crowded electrical panels or areas with high electromagnetic interference.
 - Ensure the sensing tip is held perpendicular to each circuit breaker during scanning.
 - Scan slowly and methodically across all breakers.
- **GFCI Test Failure:**
 - Confirm the outlet is indeed GFCI-protected.
 - Check the wiring condition indicators on the transmitter. If there are wiring faults, the GFCI test may not function correctly.
- **No NCV Indication:**
 - Ensure NCV mode is activated.
 - Verify the wire or device is live and carrying AC voltage.

SPECIFICATIONS

Feature	Detail
Model Number	XT-33A
Operating Voltage	90-120V AC
Operating Frequency	50/60Hz
Power Source (Receiver)	1 x 9V Battery (included)
Functions	Circuit Breaker Finder, GFCI Outlet Tester, NCV Detector, Flashlight
Package Dimensions	9.13 x 4.69 x 2.05 inches
Item Weight	11.68 ounces
Manufacturer	Xin Tester

WARRANTY AND SUPPORT

Xin Tester is committed to providing high-quality products and customer satisfaction. For any technical issues, questions, or support regarding your XT-33A Digital AC Circuit Breaker Finder Tool, please contact our customer service team. We are dedicated to assisting you and resolving any concerns you may have. Please refer to the product packaging or the official Xin Tester website for specific warranty details and contact information.

