

Datasheet: AirCheck™ G2 Wireless Tester

Wi-Fi is a complex technology, but testing it doesn't have to be. AirCheck™ G2 Wireless tester is purpose built for the front-line IT responders dispatched to the complaints of: The Wi-Fi is not working or the Internet is down. The AirCheck G2 Wireless Tester provides fast, simple, and accurate isolation and troubleshooting, thereby reducing the time to resolution of wireless issues.



There are many variables that lead to Wi-Fi complaints, ranging from network-based problems and configuration issues to environmental or client device misconfigurations. Collecting all the key pieces of information the very first time is key to every front-line IT responder to resolve any complaint. AirCheck G2 simplifies wireless troubleshooting by providing:

- A rugged, purpose-built wireless tester supporting the latest Wi-Fi technologies (802.11a/b/g/n/ac) that's easy to use and easy to carry
- A one-button AutoTest, which quickly provides a pass/fail indication of the wireless environment and identifies common problems - for any level of Wi-Fi expertise
- An instant view of test results including network availability, connectivity, utilization, rogue devices, and interference detection
- A centralized test results management platform, Link-Live, that facilitates greater job visibility, project control and fleet management for larger distributed environments.



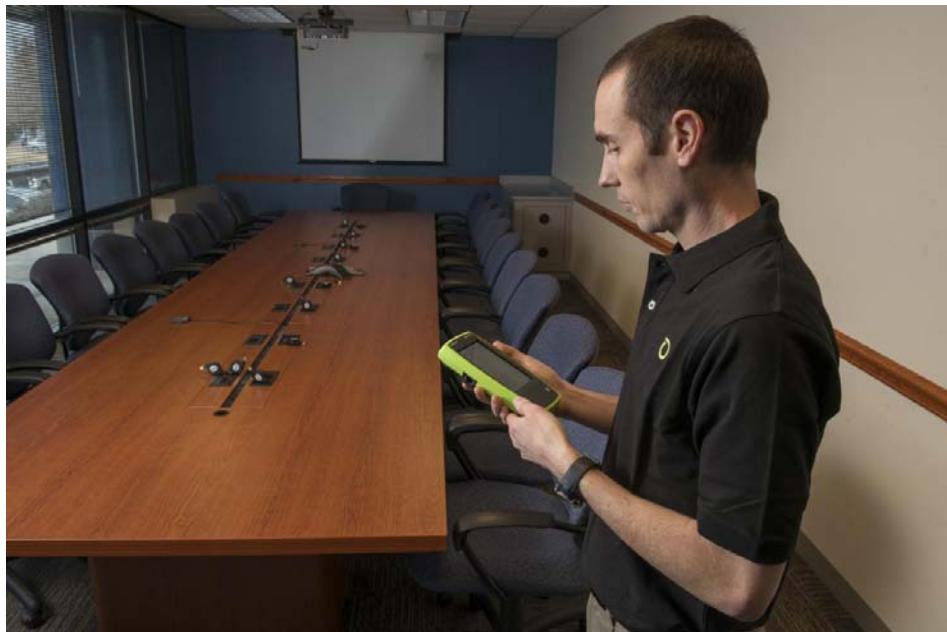
The intuitive user interface and management platform provides actionable intelligence to not only remove the complexity of wireless troubleshooting but also helps speed up closure of the trouble ticket. The cost of not getting the job done right the first time, leading to an escalation team visit, leads to ineffective usage of the escalation team efforts & end-user dissatisfaction due to slow problem-solving response time. AirCheck G2 provides front-line IT with complete & accurate wireless information to solve problems right the first time, instead of blindly escalating them.



Overview

AirCheck G2 integrates all Wi-Fi technologies plus interference detection, channel scanning, and connectivity tests. The one-button AutoTest and instant access to detailed information provides fast troubleshooting for the most common Wi-Fi pain points, including:

- Coverage problems
- Overloaded networks or channels
- Channel interference
- Connectivity problems
- Failed access points
- Rogue access points
- Client problems
- Unauthorized Clients





AirCheck G2 Features

Supports 802.11a/b/g/n/ac — All-in-one handheld tool for all Wi-Fi technologies including true 802.11ac 3x3 support.

Instant-on operation — Powers up fast and automatically starts discovering networks, access points (APs), and channel activity.

Touchscreen Display — 5" Touchscreen display allows for better visibility and easier access to all the available operations/inputs.

Get answers fast — The one-button AutoTest quickly provides a pass/fail indication of the wireless environment and identifies common problems-for any level of Wi-Fi expertise.

Link-Live Cloud Service — Cloud-based results management dashboard provides test results, project control, and reporting capabilities for your network connectivity tests.

Identifies security settings for each Network and Access Point: Open, WEP, WPA, WPA2, and/or 802.1x.

Pinpoints Wi-Fi traffic and interference — Shows how much of each channel's bandwidth is consumed by 802.11 traffic and interference, and the APs using each channel.

Finds rogue APs and misbehaving clients — Flags unauthorized APs and clients. Hunt them down with the LOCATE function or find them even faster with the optional directional antenna. Supports use of a USB headset for audio feedback.

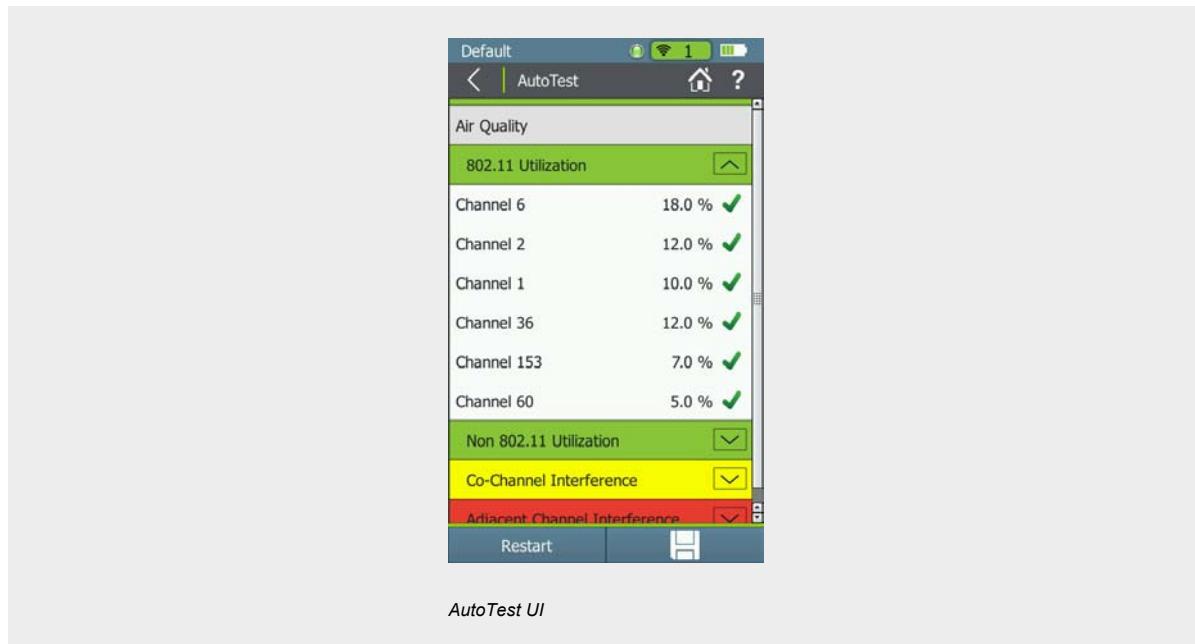
Connection tests — Connects to networks or specific APs using WEP, WPA, WPA2, and/or 802.1x. Acquires an IP address and pings the router, gateway, and user-defined addresses to verify connectivity and network access inside and outside the firewall. Verifies connection quality.

Wired Ethernet Tests — Allows for quick AP backhaul and wiring verification.

Designed for the field — Multi-hour battery life. One-handed operation. Rugged design.

AirCheck G2

AutoTest — Performs the following five essential Wi-Fi tests and a pass/fail indication of the wireless environment as well as identifies common problems — for any level of expertise.



802.11 Utilization — Reports the top three channels in each band (2.4 GHz and 5 GHz) with the highest 802.11 Wi-Fi traffic airtime utilization.

Non-802.11 Utilization — Reports the top three channels in each band (2.4 GHz and 5 GHz) with the highest non-802.11 airtime utilization. This indicates the presence of interference sources and high noise levels.



Co-Channel Interference — Reports the top three channels in each band (2.4 GHz and 5 GHz) with the most APs on the same channel that exceed the minimum signal level threshold. It accounts for 40-MHz and 80-MHz channels in the 5-GHz band by counting an AP on its primary and each secondary channel. Then view a list of the APs counted for co-channel interference.

Adjacent Channel Interference — Reports the top three channels in the 2.4 GHz band in which APs may experience Adjacent Channel Interference. For each channel on which at least one AP is found, the Tester counts how many APs are operating on other channels that overlap with that channel. It accounts for 20-MHz and 40-MHz channels in the 2.4-GHz band. Then view a list of the APs counted for adjacent channel interference.

Network Quality — Verifies coverage, interference, security and ability to connect to specified networks, along with the availability of critical network services such as DHCP and connectivity to specified network targets.

Networks

Quickly view all the networks present in the environment, and see critical parameters for each one including signal level, signal/noise ratio, security type, and number of access points. Find common issues such as mixed security types, poor signal coverage or lack of secondary AP coverage.



Networks UI