

NXT-2000 Portable Spectrum Analyzer

Quick Start Guide

This document provides instructions on how to use the NXT-2000 Portable Spectrum Analyzer with your EtherScope nXG, CyberScope, CyberScope Air*, or AirCheck G3* tester. The NXT-2000 scans the radio frequency (RF) environment around you, and the Spectrum application on your tester displays graphs that provide visibility into the RF energy generated by nearby devices.

The optional External Directional Antenna assists with locating a specific source of RF interference.

Plug in the Spectrum Analyzer and Open the Spectrum App

1. Power on your tester (AirCheck/EtherScope/CyberScope) and let it finish starting up.
2. **Plug the NXT-2000 Portable Spectrum Analyzer into the USB-A port on the top of your device.**

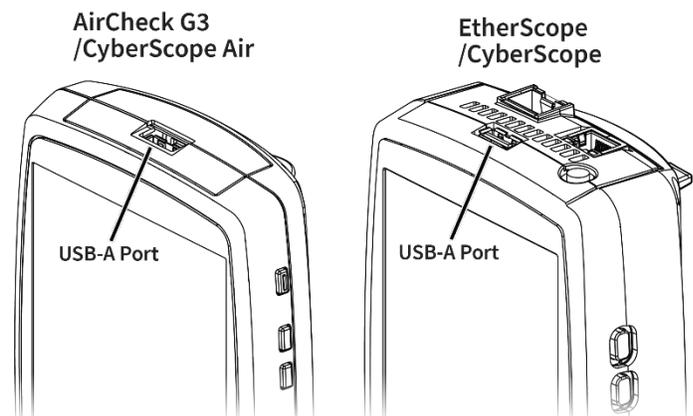
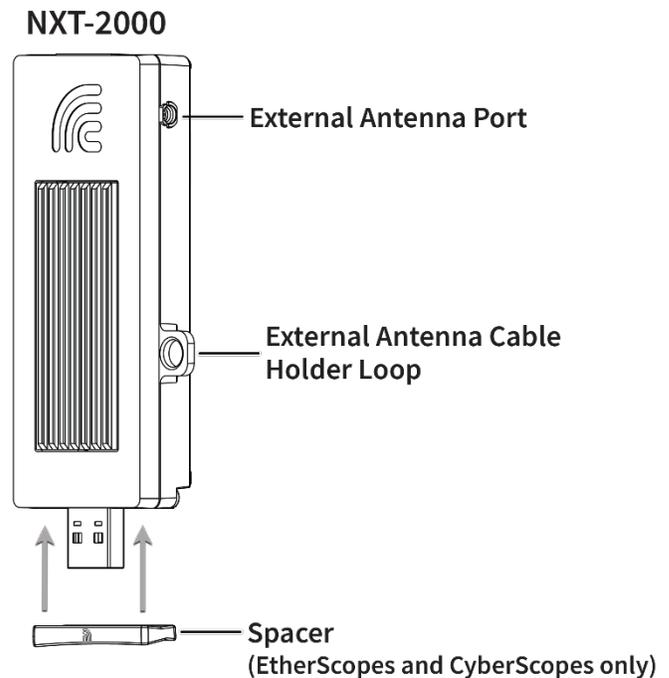
If you are using an EtherScope or CyberScope, add the included rubber Spacer, tiny logo  facing you (as shown to the right), around the USB connector to stabilize the Spectrum Analyzer.

3. Start the Spectrum App on your unit by tapping the Spectrum Application icon: 

The Spectrum App detects the presence of the NXT-2000 and begins making RF spectrum measurements.

The Spectrum App and graphs automatically display in landscape orientation.

4. *For more accurate measurements, disable your device's Wi-Fi Management and Bluetooth radios: Open the Quick Settings by dragging down from the top of the screen and tap the system Wi-Fi  and Bluetooth  icons to disable.*



Connect the Directional Antenna and Point the Target towards the Interference Source

The External Directional Antenna is designed to help you locate sources of interference.

The NXT-2000 includes an internal omni-directional antenna. The external directional antenna is optional.

The external directional antenna connects to the NXT-2000 with the included mini-RF cable.

1. First, screw the larger connector end (SMA) of the cable to the bottom of the External Directional Antenna. Twist right to connect.
2. Optionally, thread the cable through the sleeve (handle) attachment and twist the sleeve clockwise to secure. This just makes the antenna easier to hold.
3. To attach the cable to the NXT-2000, thread the smaller connector end (SMP) of the cable through the Cable Holder Loop (as shown in the image).
4. Push the small connector end gently into the External Antenna Port to connect.
5. Hold the Directional Antenna such that the NetAlly logo and target graphic point towards the signal you are searching for.
6. Look for increased amplitude on the Spectrum application graphs as you search.
7. *To improve the accuracy of RF interference location, turn off your tester's Wi-Fi Management and Test radios, as well as the Bluetooth radio:*
 - a. Disable Wi-Fi Management  and Bluetooth  from the Quick Settings by tapping their icons.
 - b. Disable the Wi-Fi Test Port in the General Settings from any testing App on your device.

For more information on turning off radios and next steps, see the Spectrum App section of the User Guide for your tester, available online at [NetAlly.com](https://www.netally.com) and on your device's home screen.

