

# JD70050007 AntennaAdvisor Handle Quick Start Guide

## Overview

The AntennaAdvisor Handle is a handheld device that was designed to be mounted with a log-periodic directional antenna, enabling you to perform manual interference hunting activities in conjunction with your CellAdvisor. It has a built-in GPS antenna, a compass, a gyro sensor, and a low-noise amplifier (LNA).

## Package contents

AntennaAdvisor Handle  
Soft carrying case  
Shoulder strap  
Quick start guide

► **NOTE:** A directional antenna is not included. It is sold separately as its part number G700050366.

## Compatible products

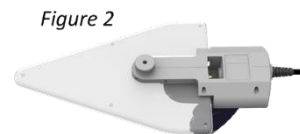
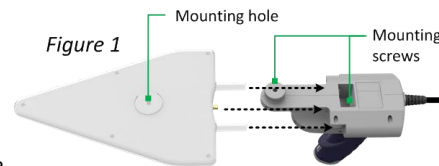
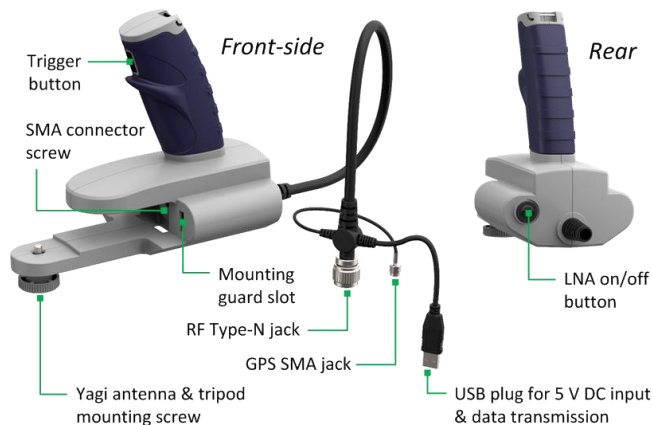
This AntennaAdvisor Handle is compatible with CellAdvisor JD740B, JD780B, and JD780A series with firmware version 3.040 and later.

## Mounting with a directional antenna

You need to mount your log-periodic directional antenna first with the AntennaAdvisor Handle.

- As shown in **Figure 1**, hold both the antenna and the handle with upside down, and then place the mounting guards of the antenna gently into the mounting slots of the handle until the both SMA jack and the SMA plug get contacted.
- Tighten the SMA connector screw gently to connect the SMA plug of the handle to the SMA jack of the antenna.  
► **NOTE:** Avoid over-tightening as it may cause damage to the connectors.
- Align the mounting screw with the mounting hole in the antenna and then tighten the antenna mounting screw to mount the antenna to the handle firmly as shown in **Figure 2**.  
► **NOTE:** Avoid over-tightening as it may cause damage to the antenna. It is recommended that you keep the antenna and the handle attached, if possible.

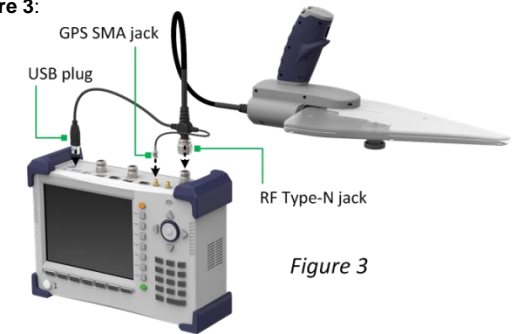
## Product view



## Connecting AntennaAdvisor Handle to CellAdvisor instrument

After you have mounted the AntennaAdvisor Handle with the log-periodic antenna, you need to connect the assembled handle unit to your CellAdvisor instrument to perform measurements and do interference hunting.

- Power on your CellAdvisor instrument.
- Make the following connection as shown in **Figure 3**:
  - Connect the **RF Type-N jack** of the handle to the **RF In port** of the instrument.
  - Connect the **GPS SMA jack** of the handle to the **GPS port** of the instrument. The GPS status indicator appears on the instrument screen. If GPS is locked, the indicator turns green.
  - Connect the **USB plug** of the handle to the **USB Host port** of the instrument. The device icon appears on the instrument screen.



- Initialize the connected handle to calibrate its built-in compass as described in the following section.

## Initializing the built-in compass

After you have connected the handle device to your instrument, you need to initialize it to calibrate the built-in compass in order to obtain accurate azimuth.

- On your instrument, press the **MODE** hard key and then the **Interference Analyzer** soft key.
- Press the **MEASURE** hot key and then select **Radar Chart** or **Interference Finder**.
- Press the **MEASURE SETUP** hot key.
- Getting it pointed to the north, hold your antenna handle in its upright position or place it horizontally on a flat surface as shown in **Figure 4**.  
► **NOTE:** In the Radar Chart mode, you can check magnetic field strength around the handle. If the value displayed in  $\mu T$  is red, move your handle position or your location until you see the value in green in order to keep the external magnetic field to a minimum.
- Press the **Initialize AntennaAdvisor** soft key with keeping the position.  
► **NOTE:** In the Radar Chart mode, the red line on the chart moves to the 0 degree line and overlaps on it. For information on measurements, refer to the user's guide for your CellAdvisor.



## Technical assistance

If you require technical assistance, call 1-844-GO-VIAMI or 1-844-468-4284. For the latest TAC information, go to <http://www.viavisolutions.com/en/services-and-support/support/technical-assistance>.

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