

NV-RVSAT Quick Start Guide

The NV-RVSAT Site Analysis Tool is the essential first step in the installation of the Renovia System. Testing any installation site completely requires a few simple steps. For a more detailed description of the NV-RVSAT test and results, refer to the Renovia System Installation Guide.

Step 1: Pick the desired Hub location. You should also have back up locations in mind for testing if necessary. Turn on lighting, especially lighting on transformers, or dimmers.

Step 2: Filter any electronic devices in the same outlet as the hub. Eliminating noise at the hub source will help insure success in the zone locations. This is easily done by plugging that equipment into a power strip and filtering the power strip.

Step 3: Plug the black NV-RVSAT-H Hub Tester into the desired outlet location for the Renovia Source Hub and system audio sources. When plugged in, the Hub Tester will remain in a static state indicating that it is "Searching" for the NV-RVSAT-Z Zone Tester, Fig 1. The **Menu** button allows you to name the Hub location, and set an identifying number for the outlet. **Make sure you have not plugged the Hub Tester into a filter!** This will cause poor readings at the zone locations. It is also a good idea to set a new "Increment Site #" to establish a new test. The remainder of the site test can be done from the white NV-RVSAT-Z Zone Tester. When the Zone Tester is plugged in, it will establish communication with the Hub. Use the Menu button to name the zone and identify the outlet with a number. It is best to number the outlet being tested in a clockwise rotation around the room.

Fig. 1

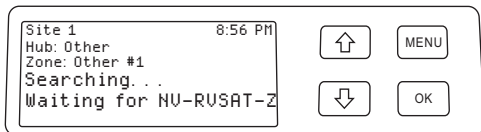
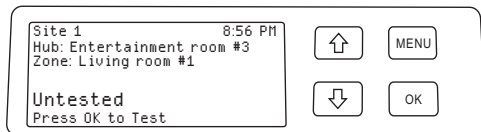
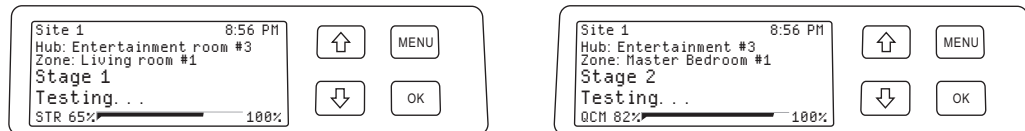


Fig. 2



Step 4: When the Zone Tester is plugged in, it will establish communication with the Hub. Use the Menu button to name the zone and identify the outlet with a number. As you test zones, the zone outlet number is easily incremented by using the Up and Down arrows. Press the **OK** button to initiate a two stage test. Stage 1 is STR, an audio streaming test. Stage 2 is CQM, a channel quality matrix communication test, Fig. 3.

Fig. 3



Step 5: When the two tests are complete an overall rating will display indicating the level of performance for that zone. The result is also given a grade scale from 0% being the worst, to 100% being the best, Fig. 4. Any grade higher than 60% is Marginal or Good. A Good rating indicates an ideal location to install the Zone Amplifier. A Marginal rating indicates that communication may be challenged, and a Poor rating should be avoided. A Poor or Marginal zone with a high grade (close to 60%) may be dramatically improved by filtering noisy devices on the same circuit. Refer to the Renovia System Installation Guide for a detailed description of the use of the NV-HPNF noise filter. Repeat steps 2 - 4 for each zone you wish to install a Renovia Zone Amplifier. If multiple rooms have a POOR or MARGINAL result, consider a different Hub location.

Fig. 4

