

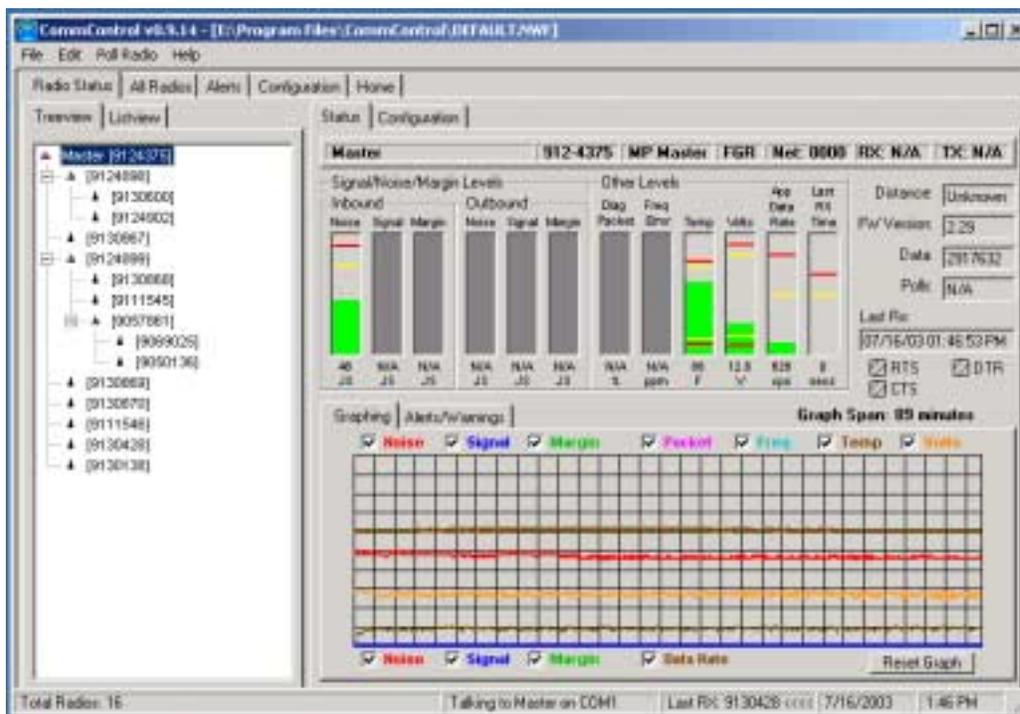
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FreeWave Launches FreeWave CommControl, the most sophisticated, Windows-based network management software available

FreeWave is launching a new version of a network management software tool called CommControl. The software is a GUI layer that is required only for installation at the Master radio. From there, the user can monitor or make programming changes to radios out in the network.

Easy Installation

The software is easy to install. Upon installation of the software, the tool begins searching for radios in your network. As the radios are found, the software automatically creates a hierarchical tree view of your existing network. The hierarchy is easily viewed from the Radio Status Tab. Below is a screen shot from the main page of the Radio Status Tab.

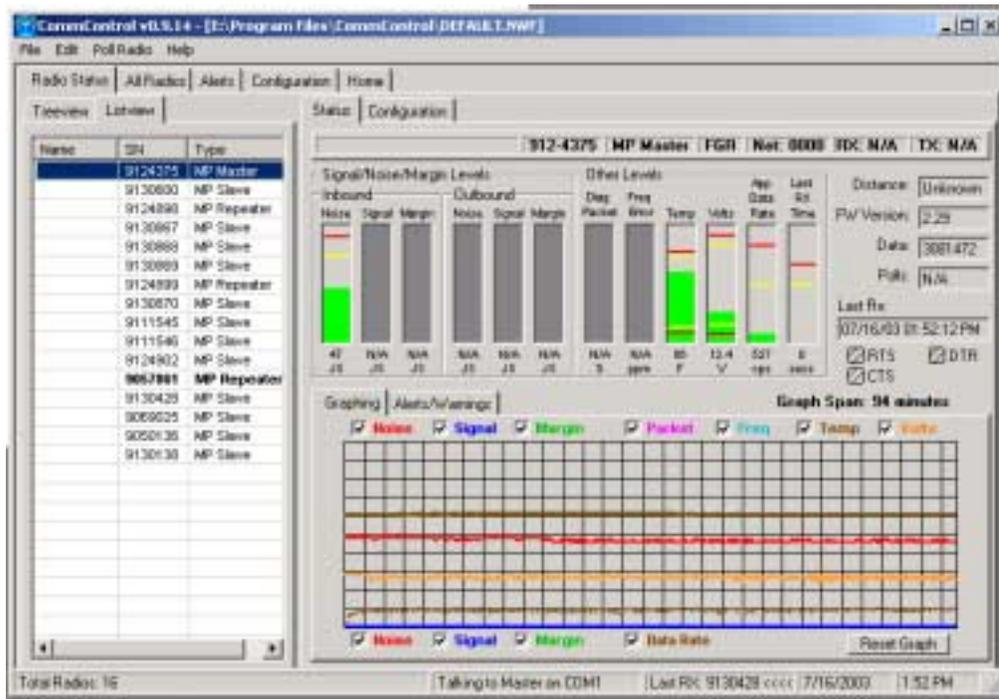


Just follow the menu instructions. In minutes the software will be installed on your computer at the Master Radio location. You will be ready to begin monitoring and, better yet, managing your FreeWave communications network.

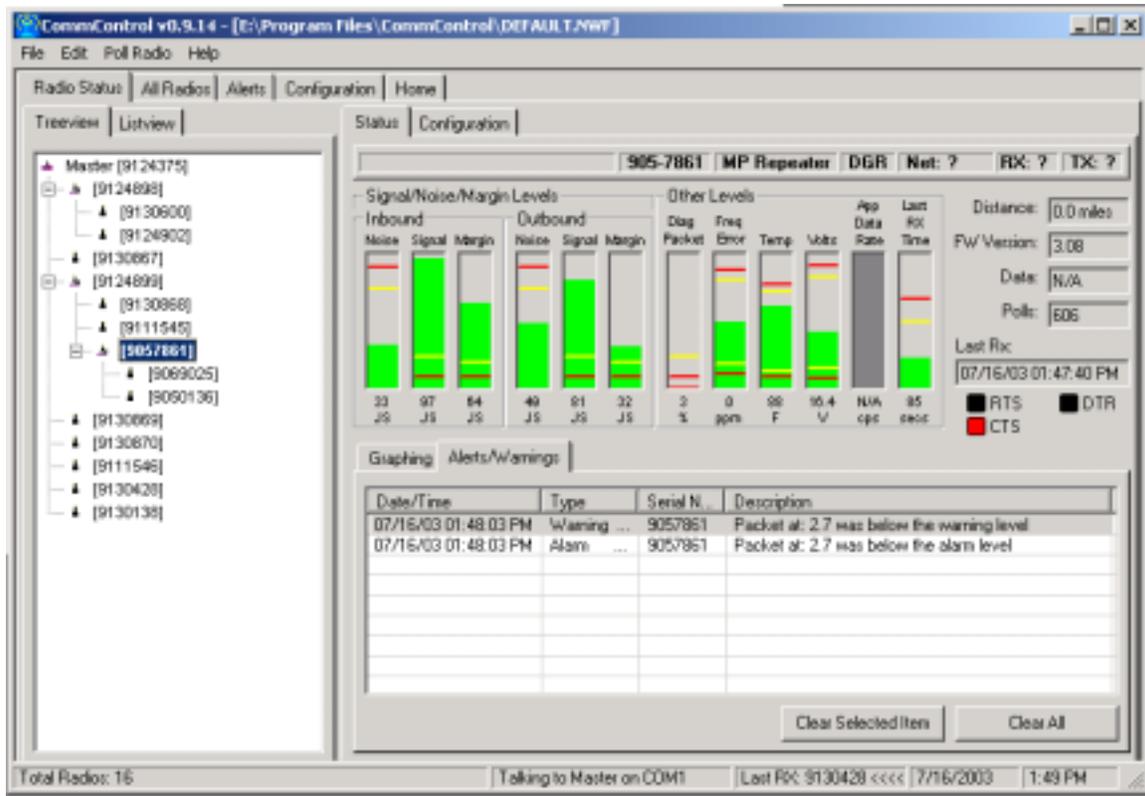
Easy Monitoring

In the first release of the software, many functions formerly requiring great familiarity with radio networks are now much more intuitive and easy to perform. For example, at the Radio Status Tab it is now very easy to monitor network performance by tracking trend lines and monitoring the colors of the radios in the network.

While you are monitoring your communications network the trend lines are constantly running. Below is a screen shot of a live radio network. The colors of the lines correspond to the attribute that you have checked in the header above the trend line box. For example, the Noise level can be monitored by following the red trend line and etcetera. The Noise check box above the trend line box is for tracking INBOUND noise. There is also a Noise check box below the trend line box. If you were to click this box, you would see a trend line that tracked OUTBOUND noise.



Within the Radio Status Tab there are two valuable monitoring graphics. The first is a tree view where all the radios and their relationship with repeaters or the Master are displayed. The second is a bar chart presentation of each of the attributes that you are monitoring including the warning and alarm condition settings that you set for your own requirements!

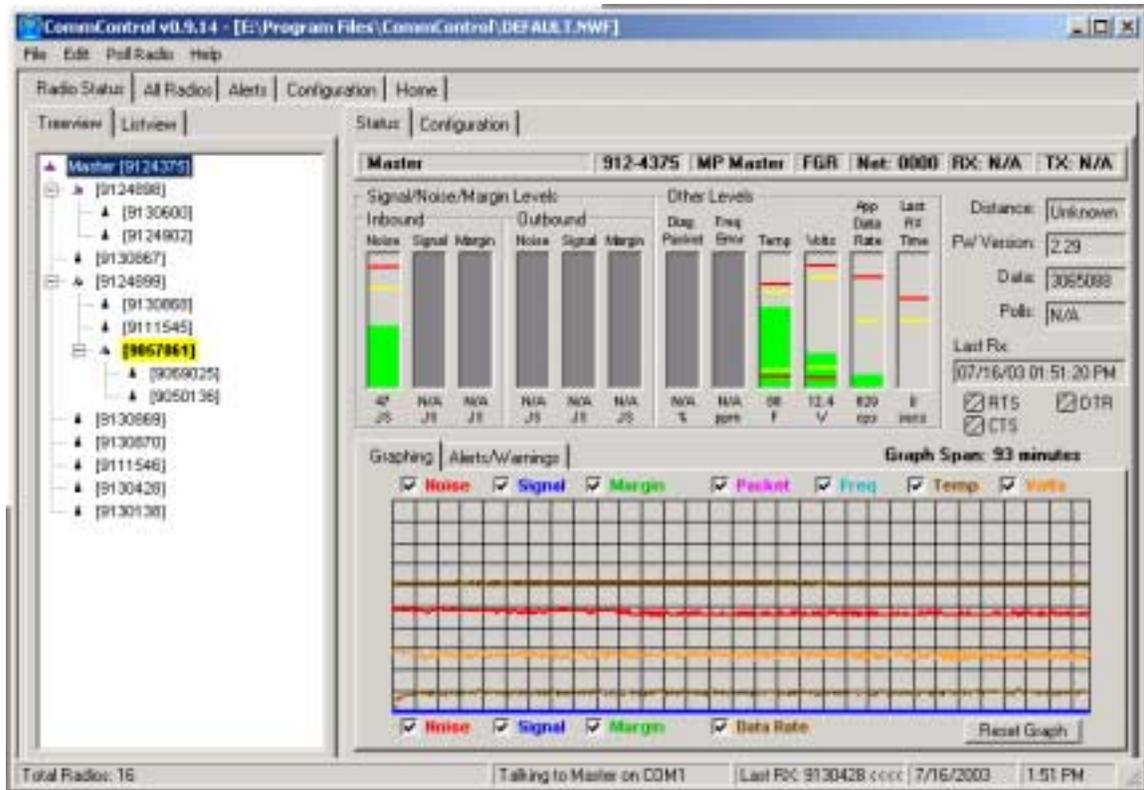


If you look at the above graphic, you can see that the charts have two pairs of lines. The yellow lines represent the high and low setting for warnings. You can easily program just to fit your needs. The red line indicates the settings that you have chosen for alarm. “What happens when a radio goes into warning or alarm condition?” you might be asking. The radio that goes into a warning status will be highlighted yellow in the tree view. If the radio proceeds into an alarm state, the radio in the tree view will turn red.

There is another tab that we have not discussed. It is next to the Graphing tab and is called Alerts. If you click on this tab, you will see a listing of the alerts and alarms that have occurred. You will be able to leave all on the list, selectively delete some or delete the entire log.

Time Saving Tools

These color codes add another powerful feature offered by FreeWave CommControl. As soon as a radio goes into either a warning or alarm condition, the radio serial number (or name that you have chosen) listed in the tree view turns yellow or red. If a radio goes into a warning mode, the radio on the list turns yellow. If it goes into an alarm condition, the serial number on the list turns red. This feature makes finding a trouble spot extremely easy. No more time consuming, clumsy scrolling and searching for a condition that might be hard to spot.



Click on the serial number in the tree view and the columns and trends for that radio are now visible on screen. From this view, you can begin to assess what might be causing the condition and begin taking action. This empowering set of screens is intended to put you in control of your communications network.

Another time saving view accessible from the Radio Status Tab is the List view. Click on this tab and you will see a “spreadsheet” view of the radios in the network. In this view, your radios that create warning or alarm conditions are sorted to the top and highlighted by appearing in **bold** letters. This is another easy way to manage your network.

Over The Air

FreeWave CommControl has tools built in that allow even a novice user to trouble-shoot and make configuration changes over the air. The color schemes described above make using the trouble-shooting tools even easier.

If there is a need to change the configuration of a radio for any reason, CommControl can be used with a few clicks of the mouse to make the changes and send the changes to the radio. On occasion you may want to change the subnetwork ID so that you can improve radio communication efficiency. You can do so easily with CommControl.

Much More

What is described in this notice is just the beginning. FreeWave CommControl is ideally suited for any size network. If you are one of those especially busy network communications managers, this is the right tool for you just as FreeWave radios are the right radios for your network.

Please contact your Business Development leader or contact FreeWave directly. Our office number is 303.444.3862. You can email questions to us at moreinfo@freewave.com or visit our website, www.freewave.com.