



# RuggedExplorer v1.2.0 Release Notes

**May 11, 2010**

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## Overview

RuggedExplorer v1.2.0

### Controlled Version

- Installer creation date: May 6, 2010 4:40 pm File Size: 28,450 kb
- Build: 201004301117 April 30, 2010 11:36am File Size: 3,203 kb

### Non Controlled Version

- Installer creation date: May 6, 2010 4:38 pm File Size: 28,168 kb
- Build: 201004301117 April 30, 2010 11:33am File Size: 2,550 kb

RuggedExplorer is RuggedCom's multifunctional tool for provisioning and maintaining RuggedCom ROS based devices. RuggedExplorer runs on a MS Windows machine running XP SP2 with an Ethernet NIC. RuggedExplorer's installer will install all required software to run the application so no connection to the internet is required. The installation process will create Windows Start menu entries to run the application and uninstall the software. The version of RuggedExplorer that does not support encryption is compatible with the latest release of all ROS 3.x software and the version that supports encryption is compatible with ROS 3.5.3 and above (latest releases). Running RuggedExplorer on incompatible releases of ROS may lead to unexpected results.

The installer of this software should be familiar with Windows XP and ROS fundamentals.

Features:

- 1) Automatic discovery of devices running ROS version 3.7.0 or higher using RuggedCom Discovery Protocol (patent pending).
- 2) Manual discovery of devices using a ping sweep.
- 3) Uploading of files from the local computer to ROS devices
- 4) Downloading of files from ROS devices to the local computer
- 5) General maintenance including
  - a. Reset
  - b. Load factory defaults
  - c. Clear logs

Requirements for installation of RuggedExplorer:

- 1) A computer running MS Windows XP SP2. RuggedExplorer has the capability of transferring files to several devices at once. This concurrent file transfer mechanism can consume large amounts of CPU so a computer of reasonable resources will be required if many devices are being managed by RuggedExplorer.
- 2) An Ethernet interface on the computer running RuggedExplorer connected physically to all devices that a user wants to manage.

## User Guide and Download

The user guide and download link are available from the RuggedCom Web site at <http://www.ruggedcom.com/products/software/> . The Web pages should be checked frequently for updates, patches and technical notes,

### ***Changes in v1.2 (2751)***

#### **RuggedExplorer 1.2**

Type: Enhancement  
Products: RuggedExplorer  
ID: 2751

Version 1.2 of RuggedExplorer has been created to support Controlled and Non Controlled versions of ROS.

## Known Issues

The following is a list of know issues with version 1.2 of RuggedExplorer.

- 1) If a user uploads a non compressed ROS image to an RMC30 the process (or thread) in RuggedExplorer uploading this image will hang. When uploading a ROS image to an RMC30 the compressed version of ROS must be used as this is the only format understood by the device.

## Binary/User Guide Version Numbering System

RuggedExplorer has a three digit version numbering system of the form X.Y.Z where each digit is a number starting from zero. The 'X.Y' digits represent the functional version of RuggedExplorer whereas the 'Z' digit represents the binary patches. The 'X' digit is incremented for a major functional updates of the product. The 'Y' digit is incremented for a minor functional updates of the product. The 'Z' digit is incremented for bug fixes, cosmetic enhancements and other minor issues.

User guides follow the same format. In general, a user guide will have the same 'X.Y' digits as the software to which it corresponds.



## RuggedExplorer™ 1.2.0 Release Notes

### Type of Changes

Each change to the firmware is categorized according to the table below to provide a guide as to whether the change justifies upgrading. As well, each change lists an internal RuggedCom change number.

<b>Change Type</b>	<b>Description</b>
Critical	Critical changes fix problems that prevent the basic operation of the device and have no workaround. Any critical changes merit a device upgrade under all circumstances.
Major	Major changes fix problems that prevent the basic operation of the device but do have a workaround. Any major changes merit a device upgrade if the workaround is not acceptable.
New Feature	New features add significant new capability to the device. Such changes may change the basic operation of the device, the user interface, and how the device is configured. New features only merit a device upgrade if the feature is required.
Enhancement	Enhancements improve existing device capability and do not significantly change the basic operation of the device, the user interface, or how the device is configured. Enhancements only merit a device upgrade if the feature is required.
Minor	Minor changes fix non-vital problems that may or may not have a workaround. Minor changes do not necessarily merit a device upgrade unless the specific problem applies.
Cosmetic	Cosmetic changes have negligible impact on device operation and include such updates as spelling mistakes, user interface adjustments, and help text improvements. Cosmetic changes rarely merit a device upgrade.
Security	Security changes usually do not have a discernable impact on normal device operation other than to improve the unit's defensive response to known exploits and vulnerabilities. This might include such updates as enhanced protection against newly discovered denial-of-service (DOS) attacks. It is left entirely to the customer's discretion to decide whether or not a security change is appropriate to merit a device upgrade.



### Contacting RuggedCom

For further information on this release or technical support of any nature, please contact RuggedCom at the

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