

# Robustel GoRugged R3000\_LG Release Notes

## NOTES

This release note will show the firmware updated details of the released version compared with the inherit version. All versions firmware released information will be accumulated in this release note, you also can check every version firmware released information here.

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## VERSION V3.1.0

Release Date: 9 May. 2018

Initial Release

## ENHANCEMENT & NEW FEATURES

Ref#	Descriptions
1	Realized LoRaWAN data forwarding function
2	Changed DI/DO function to only 2 DI
3	Support testing LoRa function by MES/Rtest on the process of production testing
4	Deleted WiFi

## BUG FIXES

Bug#	Descriptions
1	Fixed the following bug: LoRa function, Server Address text box can be empty
2	Fixed the following bug: use USB can not upgrade XML file automatically, but store the original configuration
3	Fixed the following bug: use USB can't upgrade firmware, APP and XML file simultaneously, and keep the original configuration
4	Fixed the following bug: unnecessary Temperature indicated on System Information
5	Fixed the following bug: PPPOE of WAN port calls unsuccessfully
6	Fixed the following bug: probabilistic appear: Sometimes Serial Port can't be successfully connected during the application mode switching unless close serial

	and reboot it.
7	Fixed the following bug: if changed flow control of Serial Port from None to Hardware/Software, it can only send. It becomes normal after rebooting device.
8	Fixed the following bug: probabilistic appear: Serial Port can connect normally only after restart Serial Port if revised the configuration of Modbus Poll or Modbus Slave
9	Fixed the following bug: DI/DO disabled, but enables Ignore Disabled Features export XML file with DI/DO information (DI/DO indicated in XML file is disabled)
10	Fixed the following bug: System->tool->Sniffer disables to use (the icon next to Status no response after clicking Start)
11	Fixed the problem when using Rtest to test GPS, need open GPS function manually in advance.
12	Fixed the problem using Rtest to test LoRa performance at low transmitting power. It can be tested by spectrum analyzer.

## KNOWN BUGS & LIMITATIONS

Bug#	Descriptions
1	On web page of LoRa function, unreasonable value of RF Chain 0 Frequency/RF Chain 1 Frequency configuration will be abnormally when double click the Submit page, i.e. the concealed parameters will be presented
2	<p>Testers' description: Master link configuration Billing Day is 3, backup link configuration is 6. After rebooting device, configure computer time to number 5, and the device synchronized computer time. Master link flow statistic is cleared and backup link flow statistic is unchanged. But after rebooting the device, there isn't the backup link flow information (no TX, RX, ALL indication, etc.)</p> <p>Software engineer's description: Open WWAN1/WWAN2 link backup, set Billing Day to make it counts flow and clear flow on the designated date. When meeting the clear date condition, the system only clears one of WWAN statistical flow</p>
3	<p>Founded a XML import problem on R3000_LG , i.e. when importing XML configuration file, the modified HTTP/HTTPS port do not work, the procedure as the following:</p> <ol style="list-style-type: none"> <li>1. Device imports profile1.xml and click Save&amp;Apply to bring parameters to effect;</li> <li>2. Copy profile1.xml to profile2.xml, shield parts function of profile2.xml and revise http port to 8080, https port to 4430, see enclosed document;</li> <li>3. Open Reset Other Settings to Default on web and import profile2.xml.</li> </ol>

Click Save&Apply after importing;

4. Http/https port has changed after importing, but web\_server does not reboot and monitor the original port.

After repeated testing, it is preliminary confirmed when importing configuration files, most of function is closed; and when click Save&Apply, there is conflict in system. Similarly, we can import profile1.xml and revise http/https port. After parameters are saved and take effect, click Restore to Default Configuration to reset default configuration, the problem remains to occur.

## OTHERS

Index#	Descriptions
1	Hardware Version: Core Board: R3000_LG_Core_V1.0.1 Expansion Board: R3000_LG_Ext01_V1.0.1、 R3000_LG_Ext02_V1.0.0
2	UBOOT Version: 3.1.0
3	Platform Version: Robustlink V2.0.3 or above

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