



Activity ThingPark
Software Release Notes
Tektelic Gateways - LRR 2.6.79

Under NDA



NOTICE

This document contains proprietary and confidential material of ACTILITY SA. This document is provided under and governed by either a license or confidentiality agreement. Any unauthorized reproduction, use, or disclosure of this material, or any part thereof, is strictly prohibited.

The material provided in this document is believed to be accurate and reliable. However, no responsibility is assumed by Actility SA for the use of this material. Actility SA reserves the right to make changes to the material at any time and without notice. This document is intended for information and operational purposes only. No part of this document shall constitute any contractual commitment by Actility SA.

© 2021 ACTILITY SA. All rights reserved.

Portions of this documentation and of the software herein described are used by permission of their copyright owners.

Actility, ThingPark, are registered trademarks of Actility SA or its subsidiaries may also be registered in other countries.

Other denoted product names of Actility SA or other companies may be trademarks or registered trademarks of Actility SA or its subsidiaries, or their respective owners.

Headquarters

Actility Lannion,

Actility S.A 4 rue Ampère BP 30225

22300 Lannion France

www.actility.com

Under Non-Disclosure Agreement

Actility S.A. au capital de 744 810 € - 4 rue Ampère, 22300 Lannion, France
RCS St Brieuc 522 305 473, Siret 522 305 473 00012, TVA FR62522305473

Tektelic Gateways – Software Release Notes - 1



VERSIONS

Version	Date	Author	Details
01	6-Mar-2023	Actility	Initial Version

Under Non-Disclosure Agreement

Actility S.A. au capital de 744 810 € - 4 rue Ampère, 22300 Lannion, France

RCS St Brieuc 522 305 473, Siret 522 305 473 00012, TVA FR62522305473

Tektelic Gateways – Software Release Notes - 2



TABLE OF CONTENTS

NOTICE	1
VERSIONS	2
TABLE OF CONTENTS	3
1 SUPPORTED PLATFORMS	4
1.1 Version 2.6.61	4
2 NEW FEATURES	4
2.1 Version 2.6.61 (change since 2.4.69)	4
2.1.1 Improvement of menu-driven configuration (suplog menu).....	4
2.1.2 Improvement of interface and communication management	4
2.1.3 Storage of not ack-ed uplink:	5
2.1.4 Macro 16 – Support of geolocation:	5
3 BUG FIXES	6
3.1 Version 2.6.61 (change since 2.4.69)	6
4 KNOWN ISSUES	8
ABOUT ACTILITY	9

Under Non-Disclosure Agreement

Actility S.A. au capital de 744 810 € - 4 rue Ampère, 22300 Lannion, France
RCS St Brieuc 522 305 473, Siret 522 305 473 00012, TVA FR62522305473

Tektelic Gateways – Software Release Notes - 3



1 SUPPORTED PLATFORMS

1.1 Version 2.6.79

Model	Firmware	FPGA	HAL	Comments
Tektelic Macro 16	5.1.3 to 5.1.9	N/A	5.1.2	
Tektelic Mega 64	5.0.2 to 5.0.6	N/A	5.1.7	
Tektelic Enterprise	2.1.4	N/A	5.1.8	

2 NEW FEATURES

2.1 Version 2.6.79

Fixes only

2.2 Version 2.6.65

Fixes only

2.3 Version 2.6.64

Support for Tektelic Enterprise

2.4 Version 2.6.61 (change since 2.4.69)

2.4.1 Improvement of menu-driven configuration (suplog menu)

Although the effort already started in previous versions, “suplog” now integrates the configuration of all network-related features:

- Cellular configuration: user/password/APN
- Ethernet configuration: static/dhcp configuration, DNS servers
- NTP configuration
- Interface failover
- And a lot more.

Please consult the related documentation

2.4.2 Improvement of interface and communication management

- More stable and robust interface management: configuration, failover management
- Enhanced VPN management: monitoring of connections, management of certificates (anticipation of expiration date for instance)

Under Non-Disclosure Agreement

Activity S.A. au capital de 744 810 € - 4 rue Ampère, 22300 Lannion, France

RCS St Brieuc 522 305 473, Siret 522 305 473 00012, TVA FR62522305473

Tektelic Gateways – Software Release Notes - 4



2.4.3 Storage of not ack-ed uplink

When disconnected from LRC, not ack-ed uplink will be stored and send after reconnection.

2.4.4 Macro 16 – Support of geolocation

On geolocation-enabled gateway (see Product Number), LRR now supports geolocation feature and packet fine timestamp.

Under Non-Disclosure Agreement

Actility S.A. au capital de 744 810 € - 4 rue Ampère, 22300 Lannion, France
RCS St Brieuc 522 305 473, Siret 522 305 473 00012, TVA FR62522305473

Tektelic Gateways – Software Release Notes - 5



3 BUG FIXES

3.1 Verison 2.6.79

- PT-2192: Disable aes256-sha256-ecp256 for ESP on Tektelic
- PT-2174: Fix switch back from rescue to principal when rescue is down
- PT-2181: DNS backup for static configuration when installing new package
- PT-2185: Fix failover recovery to PRINCIPAL when both interfaces are KO
- PT-2192: Force APN in gwmgr
- PT-2172: Add board error code when unknown error from HAL
- PT-2169: use safe_reset on tektelic to reboot

3.2 Version 2.6.65

- RDTP-17388: openssh command no longer tries to download autorevssh.txt file

3.3 Version 2.6.64

None

3.4 Version 2.6.61 (change since 2.4.69)

- PT-1900: Allow hyphen in cellular APN and username
- PT-1899: Fix ipfailover2 default route on service start
- PT-1889: Add getiniparam function from LRC shell
- PT-1821, PT-1863: checkntp service added to monitor NTP server's detection.
- PT-1746 : Custom scan frequency support
- PT-1735 : Fix gateway radio blocked DL causes by permanent "TX in use 3"
- PT-1714 (macro16) : Fix GPS status detection
- PT-1693 : Support for dynamic HAL library
- PT-1646: class C logging in traces
- PT-1636: set ntp as owner of NTP drift file
- PT-1581: missing lsmBand mapping to lsmFreq
- PT-1575 (macro16) : Fix MC downlink Class C
- PT-1493: improved DL error status codes
- PT-1432: LRR version not updated after an upgrade
- PT-1404: reverse SSH opens mistakenly connection to backup support server when connection with primary is closed
- PT-1388: Support of Tektelic Macro 16 AU915
- PT-1348: request "sync" status to NTP server instead of checking the process status to have a more precise NTP sync status.
- PT-1345: Support of timezone different of UTC
- PT-1295: Checkvpn2 fallback to ipsec.conf for routes if infra.ini is empty

Under Non-Disclosure Agreement

Activity S.A. au capital de 744 810 € - 4 rue Ampère, 22300 Lannion, France
RCS St Brieuc 522 305 473, Siret 522 305 473 00012, TVA FR62522305473

Tektelic Gateways – Software Release Notes - 6



- PT-1283: Flush DNS cache on LRC connection failure
- PT-1229: fix potential buffer overflow in suplog
- PT-1222: read versions from versions.ini in suplog
- PT-1197 (macro16) : Fix Class B GPS time issues
- PT-905: Checkvpn2 download certificates before expiry
- RDTP-15129: cause forced to 0 in Sent indication if delivery status is Sent
- RDTP-14405: change downlink sent indication error codes (fix issues and add consistency)

Under Non-Disclosure Agreement

Actility S.A. au capital de 744 810 € - 4 rue Ampère, 22300 Lannion, France
RCS St Brieuc 522 305 473, Siret 522 305 473 00012, TVA FR62522305473

Tektelic Gateways – Software Release Notes - 7



4 KNOWN ISSUES

- PT-1841: Downlink may fail while RFScan in progress
- PT-1892: Firmware will kernel panic if using aes256-sha256-ecp256 for ESP algorithm over IPSec
- PT-1919: Upload/Download to TWA servers may fail until server upgrade (“No matching algo key”)

Tektelic Enterprise only:

- PT-1959: RF scan report show same RSSI reading for all frequencies scanned

Under Non-Disclosure Agreement

Actility S.A. au capital de 744 810 € - 4 rue Ampère, 22300 Lannion, France
RCS St Brieuc 522 305 473, Siret 522 305 473 00012, TVA FR62522305473

Tektelic Gateways – Software Release Notes - 8



ABOUT ACTILITY

Actility is an industry leader in LPWAN (Low Power Wide Area) large scale infrastructure with ThingPark™, the new generation standard-based M2M communication platform. Actility's ThingPark Wireless™ network provides long-range coverage for low-power sensors used in SmartCity, SmartBuilding and SmartFactory applications. Actility also provides the ThingPark X which provides big data storage for sensor data and exposes sensor function through an open API allowing developers to provide vertical applications on top of rolled out sensors. To help vendors transform their sensors, Actility provides the ThingPark IoT platform which include embedded software solutions and cloud solutions to help devices connect to innovative applications. Via the ThingPark Market, an online marketplace engine dedicated to the IoT sensors, applications and network solutions, Actility enables the roll-out of new innovative IoT services for sensor vendors and network solution vendors. Actility is a founding member of the LoRa Alliance™: the largest, most powerful standards-based effort to enable the Internet of Things (IoT). Visit www.actility.com.

LoRaWAN™, the LoRa Alliance™, and LoRa Alliance Certified™ are trademarks of Semtech Corporation, used with permission under a sublicense granted to the LoRa Alliance™ and its members.

Under Non-Disclosure Agreement

Actility S.A. au capital de 744 810 € - 4 rue Ampère, 22300 Lannion, France
RCS St Brieuc 522 305 473, Siret 522 305 473 00012, TVA FR62522305473

Tektelic Gateways – Software Release Notes - 9