



Tsunami™ GX800 Series Software Release v2.0

INTRODUCTION

Welcome to software release v2.0 of the Tsunami GX800 product family!

This software release adds enhancements and addresses minor software bugs to the application code running in the IDUs of the GX800 product family.

Models Supported	SW v2.0 b0209_07
Tsunami GX800, 6U/6LGHz Microwave Link Series	Yes
Tsunami GX800, 7 GHz Microwave Link Series	Yes
Tsunami GX800, 8 GHz Microwave Link Series	Yes
Tsunami GX800, 10/11 GHz Microwave Link Series	Yes
Tsunami GX800, 13 GHz Microwave Link Series	Yes
Tsunami GX800, 15 GHz Microwave Link Series	Yes
Tsunami GX800, 18 GHz Microwave Link Series	Yes
Tsunami GX800, 23 GHz Microwave Link Series	Yes

UPGRADE/DOWNGRADE TO/FROM PREVIOUS SOFTWARE RELEASE

This release is compatible for upgrade from v1.0 b0209_03 software releases.

COMPONENTS

IDU firmware is divided into four sections in dependence on their functions.

For every firmware release it is not necessary to update all the parts, but only these ones which are different comparing to the newest version. There is basic firmware parts description in the following text:

- *hwbase.afw* – software for internal HW parts
- *oskernel.afw* – operating system
- *dev.afw* – drivers for OS
- *fwbase.afw* – application software (WEB, SNMP, commands, etc.)

RECOMMENDED STEPS FOR FIRMWARE UPDATE

Please perform the following steps for correct firmware update.

- Login over web browser with ADMIN rights
- Save currently running configuration by clicking **Write_W0** button (which is available on each page) or by using menu **Maintenance/Write**. The startup memory will then contain the actual configuration
- Compare the currently running versions of each firmware parts (*os_kernel*, *os_dev*, *hw_base* and *fw_base*) with the newest version by one of the two below given steps:
 - Manually compare data shown in menu **General/Revision** with new firmware description file: *version.txt*.
 - Open menu **Maintenance/FW Upgrade**, select file *checkversions.afw* and use the print-out for information on what parts should be upgraded
- Next choose one of the following steps:
 - Select file *fw_all.afw* from the provided SW package. The whole file will be uploaded into the device, then the system compares the different versions and writes needed firmware part into flash memory.
!! This procedure is not suitable for slow connection to IDU management !!
 - Gradually select files *hwbase.afw*, *oskernel.afw*, *dev.afw* and *fwbase.afw* in this order (if one file is not needed, please continue with the next file) until process completion
- After the last file upload:
 - restart the device from menu **Maintenance/Miscellaneous – REBOOT DEVICE**
!! During restart, data transfer drops for about 35 sec !!
 - Log again with ADMIN rights and update start-up memory configuration with the newest functional setting available in the newest firmware. Save the current newest configuration by clicking **Write_W0** button (which is available on each page) or by using menu **Maintenance/Write**.
 - Make new IDU initialization from the start-up memory. Select **Run_W0** from menu **Maintenance/Write**.
!! During initialization there is data drop for about 5 sec !!
- New firmware is now properly installed in the IDU.

FIXES AND ENHANCEMENTS

Wideband design (303) function

Wideband design (303) could start in mode without internal switch FIFO support. In this case any longer burst of packet at IDU input causes drop in such stream.
This malfunction is repaired in this revision

WEB based VLAN configuration

VLAN configuration entered via WEB GUI is always replaced by original setting (*run w0*) after 30 seconds independently whether **Confirm** button is pressed or not. Therefore it is not possible to set permanent VLAN changes over WEB GUI.
This procedure is corrected and VLAN setting over WEB GUI is now fully supported

Adaptive modulation improvement

Solves adaptive modulation that was not able to set lower modulation in some conditions
Implements new kernel, which allows for faster synchronization. This change provides better and more reliable functionality of ACM and decreases time needed to connection re-establishing.
Adds option to choose how many Error Free Seconds (EFS) is required until change to higher ACM modulation

SNMP and MIB enhancement

Adds new entries into the MIB file (*extended ath_products_wfmHs.mib*)
Fixes SNMP strings malfunction: *infoFceDatEthA1* and *infoFceDatEthB1*

Tx power level Display

When modulation changes from high Tx power modulation (QPSK) to lower Tx power modulation (128QAM), Tx power level display does not reflect real Tx power used by ODU.
This issue is fixed and actual Tx power level now displays the correct value.

“Warning messages” modification

New message after VLAN change
New message after IP change
Log file, startup file and license file backup is fully supported when FTP link is specified in *FTP/USB* server parameter at *IP/Address* page in WEB GUI. It is also possible to extend FTP specification by specific *ftp user/password* syntax.

Fix of the *set mod mute* command

The mute command has been automatically abandoned after 2-3 seconds
This issue is now fixed

User privilege

Removed *Accept* and *Undo* buttons in menu *Ports/Advanced* which are not relevant for *user* account
Added option to assign additional privileges to *Guest* account, specifically rights to clear and validate alarms
User logged under *user* account cannot perform correct repair of ODU Tx Frequency for swapped ODUs (L and H units are swapped against IDU setting)

HELP information

Correction in the help node of *Ports/Enhanced* page: *ENH* string is replaced by *FIFO* string
Correction in the help node of *Maintenance/Refresh* page: Help message is reformulated
Actualization of CLI user manual (can be accessed via *sh man* command)
Correction of URL link function during system reboot from the *Maintenance/Miscellaneous* menu

Secure FTP access

Password was not accepted without at least one *@* char in it.
This issue is solved

Alarm threshold

ODU temp alarm threshold has been increased

Modem Lock

Fix of error in program code which prevented IDU from establishing a modem lock in case when the *Low Latency Mode* was used together with QAM128 or QAM256 and 56Mhz BW

WHERE CAN I GET ADDITIONAL INFORMATION?

For the latest software and documentation go to: <http://support.proxim.com>

For additional information or questions about Proxim products, visit www.proxim.com

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