Genesis II WARP – Operating Firmware Release History

Release Version	Reason for release

Oct 2020

v398.137.58 10-09-2020   Update includes the following improvements:

Enable the WARP to read an inverted 4-20mA signal down to -200degC

Increase default repeater offline alarm time to 6 minutes and allow it to be manually changed to up to 30 minutes

Enable backfill testing on the WARP by allowing the WARP to ignore all RF signals for up to 60 minutes

Change the Sensor Type default to RETIRED rather than RTD1

Repeater power display to include the PoE power supply setting for the new Gigabit Ethernet Repeater

Update to allow the WARP to distinguish between & read signals from both the new SHT-85 equipped Ambient sensor & the current SHT-75 equipped sensor

May 2019

v387.137.58 28-05-2019   Update includes the following improvements and issue fixes:

SecurityUpdate-08-01-19   Modbus database NaN values issue that caused data gaps in graphing and data tables when transferring the data to the Tutela website now fixed

Daily test alarm – this is now fully operational when enabled (default is set at disabled) and sends alarms through to both the WARP's historic alarm database and the callcentre

Any changes to Site Name, Site ID No., PANID and TLS Enable/Disable are now recorded in the user activity log

WARP firewall settings now enabled and selectable under the Admin page

Firmware must be installed together with SecurityUpdate-08-01-19 Parts 1 & 2

November 2018

v376.136.54 05-10-2018   Update to firmware to accommodate new RF chip in the V2 MiWi board

September 2017

v372.132.54 11-09-2017   Added the ability to modify the transmitter battery base life time setting to the WARP Admin Alarms page.

June 2017

v371.132.54 17-07-2017   Enhanced battery alarming routines to generate transmitter specific battery alarms to eliminate transmitter cycling when the transmitter battery is exhausted. (This feature requires updating the operating firmware in each transmitter to version **r186** for it to work)

May 2017

v370.132.54 12-05-2017   Improved handling routine for Ethernet signal repeater support.

March 2017

v366.132.54 08-03-2017   Changed the factory reset PIN number.

February 2017

v366.132.24 15-02-2017   Fixed an issue in the sensor info table when uploading a config with no sensor info table entries.
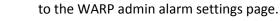
v366.132.54 10-02-2017   Fixed identified bug when reloading the alarm status from the database when alarm/alert active checks are deselected.

January 2017

v364.132.54 13-01-2017   Upgraded functionality with the addition of:

a.   An adjustable TX offline alarm delay setting has been added to the WARP admin alarm settings page.

b.   The transmitter offline alarm timestamp has been changed to be that of the first missing data packet rather than the alarm incident.

c.   Added the triggering of the low battery alert when the battery low flag it set by a specific TX. Note this will only work with an updated Mi-Wi firmware version due for release in Jan 2017.

d.   A new page has been added (SENSOR PRECISION SETTINGS) to the settings page. This allows the setting of the display precision for every probe type. The probe precision is displayed in both the WARP web pages and the WARP LCD display.

e.   Added a temperature correction factor for humidity readings to improve reading accuracy of AMB and INCU transmitters.

f.   An adjustable probe failure alarm delay setting has been added to the WARP admin alarm settings page.

g.   Optimisation of alarm handling routines.

August 2016

v357.132.54 11-08-2016   Introduction of monitoring probe serial number database to provide compatibility with UKAS ISO17025 accreditation and automatic calibration software application.

April 2016

v355.132.54 29-04-2016   Fix of a minor bug preventing the WARP watchdog alarm from being reset in the current system alarm log.

February 2016

v354.132.54 29-02-2016   Introduction of support for the new Ethernet based signal repeater.

February 2016

v353.132.54.36 03-2-2016

From March 2016 GENESISII WARP's are being manufactured with a second-generation single board processor. (changing from type RE2 to type RE2G2)

This necessitated an update of the WARP operating firmware to ensure firmware compatibility with the new RE2G2 board. This code release remains compatible with original RE2 processor boards.

December 2014

v325.124.52 11-12-2014

This version had been modified to add Ethernet https: support together with alternative port selection to enhance security options on customer intranet sites.

October 2014

v322.124.52 30-10-2014

This release fixes an obscure bug in the MODBUS code table associated with remote data retrieval. A fix was also incorporated to handle an issue with the setting of the on-board clock introduced at the previous release level.

July 2014

v315.124.50 10-07-2014

This update ensured compatibility with a new highly accurate real time clock hardware upgrade to the WARP.

June 2014

v313.124.49 11-06-2014

Second stable release of the WARP operating firmware with enhanced operational reliability.

November 2013

v282.120.48 25-11-2013

First stable release of WARP operating firmware

Alex Poxton

11th November 2020