



## SOFTWARE RELEASE NOTES

### **WIRELESS HART WHA-GW**



## Software Details

Software Name: WHA-GW\*  
Release Version: V2.3  
Release Date: July 7<sup>th</sup> 2010

## Highlights

- First Release

## Changes

- First Release

## Compatibility Notes

- none

## Bug Fixes

- none

## Additional Notes

- The Network Manager Software Version is not displayed
- The Network Manager Software can not be upgraded.
  
- WirelessHART Gateway Software Version only displayed with primary and secondary version numbers.
- Software Version „2.3“ is displayed as „23“.
- WirelessHART Gateway FW Update only possible via Web Server.
  
- When DHCP is used for automatic IP address assignment, connection will be lost with the Web server, and the IP Address must be recovered manually.
- MAC Address of GW not shown in Ethernet connection parameters.
  
- Configuration Changed Flag of a Sub-Device to a WirelessHART Adapter is not reset by the Gateway, this must be handled by the HOST application
- CMD 48 publishing must be enabled at WirelessHART Device level for fully reliable cache and instrument list management.



- CMD 78 is not currently supported by the WirelessHART Gateway wired slave interface.
- WirelessHART Device FW upgrade via wireless connection not recommended.
- The Burst message list is calculated, and not requested to the Device.
- Backup Instrument List only with DTM.
- Event Notification not supported.
- No Fast Pipe support for fast connection to WirelessHART Device or Sub-Device to a WirelessHART Adapter, therefore slow response when set up WirelessHART Devices wirelessly.



## Software Details

Software Name: WHA-GW\*  
Release Version: V2.4  
Release Date: 2011

## Highlights

- Maintenance Release

## Changes

- Wired device Modbus registers now invalid after Adapter disconnection
- Modbus answer delay eliminated
- Wired device cache invalidation now always performed
- Full support of DR Cycles
- HART-IP aligned with latest specification version

## Compatibility Notes

- none

## Bug Fixes

- Wrong command format crash (229/230/235) eliminated
- Random NM connection failure at Gateway power-up eliminated

## Additional Notes

- The Network Manager Software Version is not displayed
- The Network Manager Software can not be upgraded.
- WirelessHART Gateway Software Version only displayed with primary and secondary version numbers.
- Software Version „2.3“ is displayed as „23“.
- WirelessHART Gateway FW Update only possible via Web Server.



- When DHCP is used for automatic IP address assignment, connection will be lost with the Web server, and the IP Address must be recovered manually.
- MAC Address of GW not shown in Ethernet connection parameters.
  
- Configuration Changed Flag of a Sub-Device to a WirelessHART Adapter is not reset by the Gateway, this must be handled by the HOST application
- CMD 48 publishing must be enabled at WirelessHART Device level for fully reliable cache and instrument list management.
- CMD 78 is not currently supported by the WirelessHART Gateway wired slave interface.
  
- WirelessHART Device FW upgrade via wireless connection not recommended.
- The Burst message list is calculated, and not requested to the Device.
- Backup Instrument List only with DTM.
- Event Notification not supported.
- No Fast Pipe support for fast connection to WirelessHART Device or Sub-Device to a WirelessHART Adapter, therefore slow response when set up WirelessHART Devices wirelessly.



## Software Details

Software Name: WHA-GW\*  
Release Version: V2.5  
Release Date: October 15<sup>th</sup> 2012

## Highlights

- Fully Flexible Modbus Mapping
- Graphical Network Diagnostics
- Improved Data Representation through tables
- Complete Offline Engineering
- AMS Integration
- Extended Management of Wireless Network Functionalities (e.g. Fast Pipe, Routing Device, Blacklisting)

## Changes

- The “Configuration Change” flags and counters management was made fully Master specific; the same was done as for the “More Status Available” flag.
- Two additional status bits were added within CMD 48.
- A series of throughput-related improvements were implemented.
- Improvement of Devices Identification procedure.
- New Firmware Upgrade solution.

## Compatibility Notes

- Not compatible with DTM “WHA-GW”, works only with new DTM “WHA-GW Rev. 2”

## Bug Fixes

- Modbus RTU stability.
- Adapter not communicating after a concurrent join.
- Gateway “reset command” after a “Reform network manager command” error.
- Message framing at the Modbus RS-485 level substantially improved.
- Modbus “NaN” now returned after wired-device disconnection.
- Wired device cache invalidation now performed under all conditions, and related CMD 77 operation corrected.



- CMD 38 now works properly under all operating conditions and format.
- CMD 89 now operates properly, without the need of a terminating "Flush".
- Random serial-line baud-rate setting failure eliminated.
- DHCP can now be activated and used without problems.

## Additional Notes

- Installation of Linux environment SW version 1.3 (3683-035d) or higher required
- The Network Manager Software Version is not displayed
- The Network Manager Software can not be upgraded.
- WirelessHART Gateway Software Version only displayed with primary and secondary version numbers.
- Software Version „2.5“ is displayed as „25“.
- WirelessHART Gateway FW Update only possible via Web Server.
- Configuration Changed Flag of a Sub-Device to a WirelessHART Adapter is not reset by the Gateway, this must be handled by the HOST application
- CMD 48 publishing must be enabled at WirelessHART Device level for fully reliable cache and instrument list management.
- CMD 78 is not currently supported by the WirelessHART Gateway wired slave interface.
- WirelessHART Device FW upgrade via wireless connection not recommended.
- The Burst message list is calculated, and not requested to the Device.



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