

ZBRNx_FW3.32_IndusV0003_GPV2.01

Release Notes

FW: V3.32

Industrial Configuration File: V0003

Green Power Brick: V02.01

This document contains important information about Harmony Hub rang. Please read the complete document before you run the product.

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1. SYSTEM REQUIREMENTS

This Industrial configuration file package can be installed ZBRN1 and ZBRN2 with FW V3.26 or with FW V3.31.

2. IMPORTANT INFORMATION

2.1. Provided templates and project examples

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3. CONFIGURATION CHARACTERISTICS MODIFIED

3.1. ZBRNx_FW3.32_IndusV0003_GPV2.01

The new features and modifications listed below are available:

- FW V3.32
 - Management of visual feedback of the new ZBRT1
 - Management of visual feedback of the new ZBRT2
 - Management of the crypto capability of the new ZBRT1
 - Management of the crypto capability of the new ZBRT2
- Industrial Configuration File V0003
 - TH110 and CL110 type sensor: Extended address rang ID to full address rang ID (from 0x00000001 to 0xFFFFFFFFE).
 - TH110 and CL110 type sensor: allow to add already paired sensor (no security) with APP inside ZBRN32.
 - TH110 and CL110 type sensor: device commissioning identification capability: all capability supported
 - Crypto capability of the ZBRT1
 - Crypto capability of the ZBRT2
 - Extended Solo type sensor's acceptable ID range (from 0x00000001 to 0xFFFFFFFFE).
 - XCMWxxx sensor can be used also on sensor type S0
- Green Power Brick V2.01
 - Management of visual feedback of the new ZBRT1
 - Management of visual feedback of the new ZBRT2
 - Management of the crypto capability of the new ZBRT1
 - Management of the crypto capability of the new ZBRT2

3.2. Harmony_Hub_v3.31_svn_112

The new features listed below are available:

- Call To Action features:
 - 60 ZBRRH can be managed
 - ZBRRH can be commissioned by menu and Modbus register
 - ZBRRH can be commanded by Modbus
- Local FeedBack:
 - This feature can be configured by menu and Modbus register

The modified features listed below are available:

- Switch Counter features is added to "So" type.
 - These counters are coded on 32 bits
 - Each input of type "So" has five counters: On, Off, Toggle, Press or Release.
- Force default value of data sensors during timeout
- Save and load configuration C2A and Local FeedBack in SD card
- Modbus register on TCP is write and read with UID 0xF8 (248) or 0xFF (255)
- Remove teach mode static for Generic sensor (S1)

3.3. Harmony_Hub_v3.26

The new features listed below are available:

- Update of the micro controller: no functional modification
- For ZBRN1: use UID 248 to access the Modbus TCP registers

4. LIMITATIONS

The *ZBRNx_FW3.32_IndusV0003_GPV2.01* is not compatible with the following products:

- Existing ZBRN1 and ZBRN2 Harmony Hub devices with firmware version \leq V03.01
- ZBRN12, ZBRN22 and ZBRN32
- PowerTag F160 3P/3P+N - A9MEM1580

5. UPDATE PROCESS

5.1. Perquisite

To have a correct behavior of the ZBRNx, the update of the 3 following parts shall be done:

- FW
- Industrial Configuration File
- Green Power Brick

If the update shall be performed on several ZBRNx, then the extract of the zip file in the SD card shall be done before each ZBRNx update.

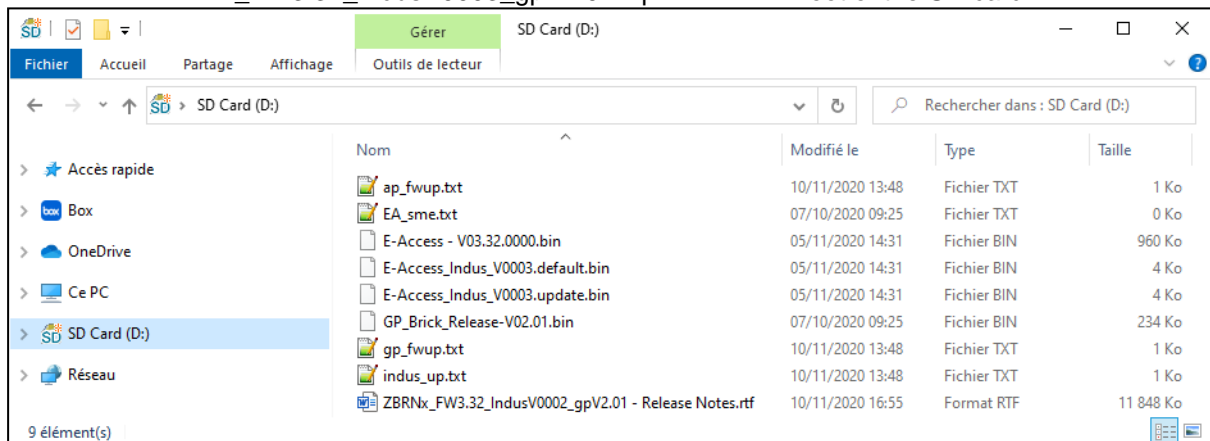
It is recommended to save configuration of Harmony Hub in SD Card before proceeding at update of Harmony Hub Firmware.

5.2. Process

Material required:

- SD card
- Computer with SD card reader

Extract the “ZBRNx_FW3.32_IndusV0003_gpV2.01.zip” files in the root of the SD card.



Power OFF the ZBRNx.

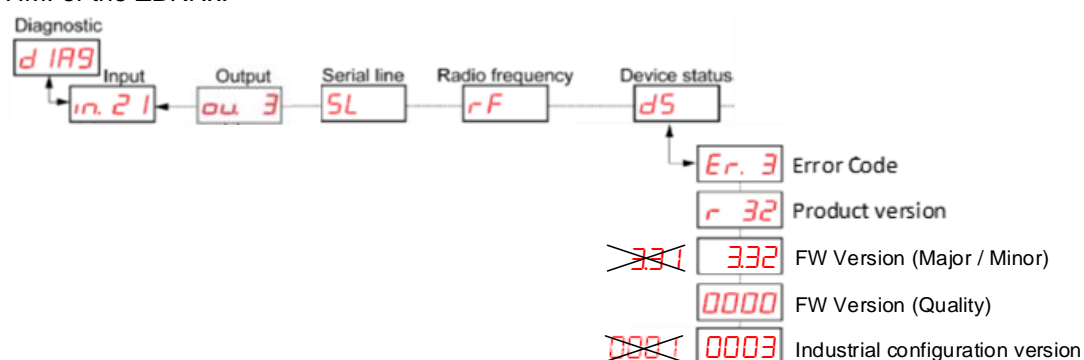
Enter the SD card in the ZBRNx.

Power ON the ZBRNx.

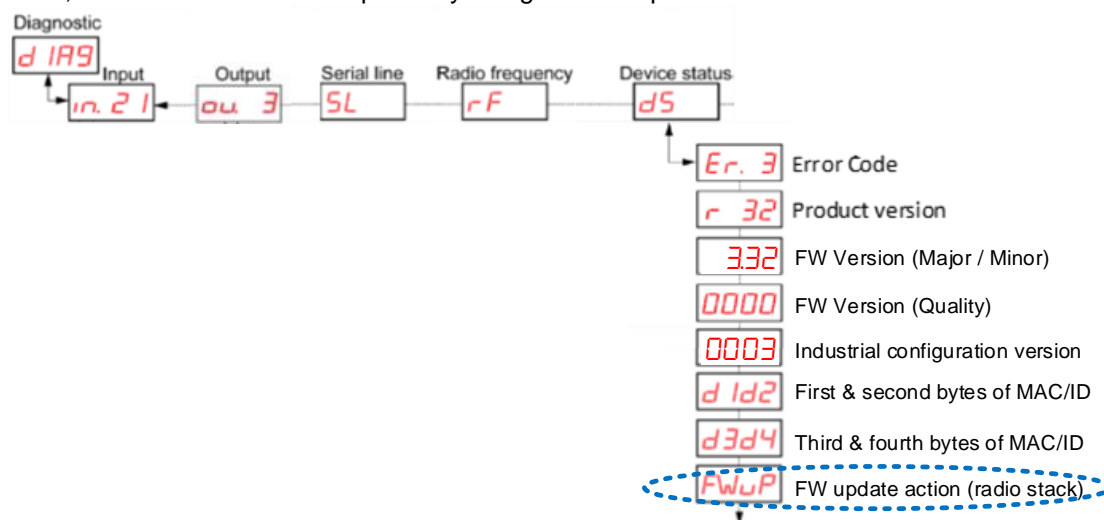
The update is done during the boot of the ZBRNx.

Then verify the version of the FW version is 3.32 and the industrial configuration file is 0003 by:

- Modbus register @4001 for the Firmware version and @4006 for the industrial configuration file, or
- HMI of the ZBRNx:



Then, realize the radio stack update by using the FW update feature.



Select "FWuP" on the HMI menu of the ZBRNx.

Then the Green Power Brick update process is activated:

- The LED display will show a counter from 1 to 99 (18) and a second counter from 1 to 99 (27), with a final End.

The ZBRNx is automatically reboot after the update.

Then verify the version of the Green Power Brick version is V2.01 by:

- Modbus register @4016 and @4017 for the Green Power Brick version
- HMI of the ZBRNx:

