



RELEASE NOTES

Revision 6.1.2

First Release

Changelog

Libraries

1. New Additions

- Added i²c library for users
- Added Humidity sensor library for users
- Added Barometric Pressure sensor library for users
- Added GPS library for users
- Added PIR sensor library for users
- Added Serial UART library for users

2. Changes In Existing Libraries

I. sendToPc.h

The library has now been renamed to pcInterface.h

New Function Additions

i) `void receiveFrmPcInit()`

Description

Initializes the interrupts from UART 0 when data is received. This helps to intimate the Radio Module about receipt of data from the PC.

ii) `uint8 readByteFromPc()`

Description

This function reads the byte coming from PC and saves it in the memory

iii) `void updateMetdb(uint16 nodeId, uint16 humidity, uint32 pressure, uint16 temperature)`

Description

This function updates the data from SNHTP module to PC

iv) `void updateGapData(uint16 nodeId)`

Description

This function updates the GPS data to system

II. node.h

New Function Additions

i) `void msdelay(uint32 milliseconds)`

Description

This function generates a delay specified in milliseconds

Functional Enhancements

- Improved the pc communication buffer management
- Added Over The Air Programming feature

SENSEnuts GUI Enhancements

- Changed the entire appearance into “tile system”
- Added support for Over The Air Programming (OTAP)
- Added support for SNHTTP module
- Added special command window to send specific commands to the nodes
- Added support for multiple data types in “Print Window” besides ASCII and hex
- Added support to check Network Topology

Known Issues

- Sending rapid (less than every 100 ms) continuous (ever ending in a while loop or adding subsequent user defined tasks) data to PC with a gateway connected on Radio Module may cause issues in reprogramming the nodes

Revision History

Version	Date	Comments
6.1.2	09/19/2015	First Release

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