Release Notes

Outpour MSP430 Firmware

# Release Version 2.1

Release Date: 8/20/2015

## Changes

**Bootloader**

* NONE

**Application**

Change the water sensing algorithm such that PAD-5 is not used to qualify a valid water detection measurement. PAD-5 is now not used for any part of the water measurement algorithm.

## Release Files

|  |  |
| --- | --- |
| File Name | Description |
| **Send Weekly Folder** | |
| outpour\_MSP430\_v2\_1\_weekly\_082015\_2200\_071A955A.txt | * The application sends weekly water packets after activation * **This is the file that should be used to burn the MSP430 flash during manufacturing** |
| outpour\_MSP430\_v2\_1\_weekly\_082015\_2200\_msg.txt | * This file is a Firmware Upgrade Message for sending to the Outpour unit as an OTA message * The Application image contained in the message is the same as the Application image contained in the outpour\_MSP430\_v2\_1\_weekly\_082015\_2200\_071A955A.txt file |
| outpour\_MSP430\_v2\_1\_weekly\_082015\_2200\_071A955A.md5 | * This file contains a MD5 sum of the outpour\_MSP430\_v2\_1\_weekly\_082015\_2200\_071A955A.txt file, which can be used to verify the file. |
| outpour\_MSP430\_v2\_1\_weekly\_082015\_2200\_msg.md5 | * This file contains a MD5 sum of the outpour\_MSP430\_v2\_1\_weekly\_082015\_2200\_msg.txt , which can be used to verify the file. |
| **Send Daily Folder** | |
| outpour\_MSP430\_v2\_1\_daily\_082015\_2200\_071CDE1C.txt | * The application sends daily water packets after activation |
| outpour\_MSP430\_v2\_1\_daily\_082015\_2200\_msg.txt | * This file is a Firmware Upgrade Message for sending to the Outpour unit as an OTA message * The Application image contained in the message is the same as the Application image contained in the outpour\_MSP430\_v2\_1\_daily\_082015\_2200\_071CDE1C.txt file |
| outpour\_MSP430\_v2\_1\_daily\_082015\_2200\_071CDE1C.md5 | * This file contains a MD5 sum of the outpour\_MSP430\_v2\_1\_daily\_082015\_2200\_071CDE1C.txt file, which can be used to verify the file. |
| outpour\_MSP430\_v2\_1\_daily\_082015\_2200\_msg.md5 | * This file contains a MD5 sum of the outpour\_MSP430\_v2\_1\_daily\_082015\_2200\_msg.txt, which can be used to verify the file. |

# MSP430 File Naming Convention

## Image Files

The file naming convention is:

***name\_version\_[feature]\_date\_checksum.txt***.

* This file contains both the Bootloader and the Application Images
* The format of the file is the Texas Instruments Output File Format
* Program the MSP430 flash using a MSPFET-430 JTAG programmer or equivalent
* The date is specified as MMDDYY\_hhmm, where

MM = Month

DD = Day of the month

YY = Year

hh = hour

mm = minute

* Checksum is the checksum reported from a programming tool such as the FET-Pro430 from Elpotronic.

## Upgrade Message Files

The file naming convention is:

***name\_version\_[feature]\_date\_msg.txt***.

* This file is a Firmware Upgrade Messages for sending to the Outpour unit as an OTA message.