

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	<ul style="list-style-type: none">• 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	<ul style="list-style-type: none">• 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	<ul style="list-style-type: none">• 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	<ul style="list-style-type: none">• 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	<ul style="list-style-type: none"> The application sends daily water packets after activation
outpour_MSP430_v2_1_daily_082015_2200_msg.txt	<ul style="list-style-type: none"> 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	<ul style="list-style-type: none"> 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	<ul style="list-style-type: none"> 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.