

Product Change Notification

Conduit[®] Gateway
Conduit[®] IP67 200 Series Base Station
Conduit[®] IP67 Base Station
Conduit[®] AP Access Point



mPower[™] Edge Intelligence Update
mPower 6.0.1 Now Available

Date: October 3, 2022

Product Change Notification (PCN) Number

PCN 08032022-002 (Conduit - mPower)

Overview

Starting in October 2022, Conduit gateway shipments will include an updated version of the mPower operating system:

- mPower 6.0.1

The latest version, mPower 6.0.1 includes new features and enhancements to the new hardware supported, LoRaWAN support, Modbus protocols, user interface, and networking and security features.

mPower Software Release Notes can be downloaded: [< here >](#)

Schedule

- Starting in October 2022, MultiTech will begin shipping the Conduit gateways with mPower 6.0.1
- See [model numbers impacted](#) for details
- See [Schedule](#) for Date of Manufacture details

Suggested Action Plan

Customers

1. Recognize that Conduit device shipments starting in October 2022 will include an updated version of mPower
2. Evaluate and approve the updated mPower version
3. Additional information
 - Technical inquiries: support.multitech.com
 - Sales inquiries: email sales@multitech.com

CONTENTS

[Overview](#)

[Suggested Action Plan](#)

[mPower 6.0.1](#)

[Schedule](#)

[Model Numbers](#)

[Upgrade Process](#)

[mPower Edge Intelligence](#)

[Additional Information](#)

[Identifying mPower Version](#)

Distributors

- Forward this announcement to others in your organization who are actively involved in the sale or support of programmable IoT gateways
- Notify existing customers that Conduit devices are now shipping an updated version of mPower software
- Encourage customers to evaluate the new mPower version in their environment. Updates to the mPower operating system may result in updates to the customer application

mPower 6.0.1 Overview

mPower 6.0.1 includes several new features and feature enhancements:

- Support for new MultiTech MTAC LoRa Accessory Cards
 - MTAC-003E00 - 868 MHz LoRa Accessory Card
 - MTAC-003U00 - 915 MHz LoRa Accessory Card
- Downgrade protection that protects users from downloading the wrong mPower version to their Conduit device
- Improved cellular radio performance on AT&T networks
- Modbus slave and Modbus RTU/FCP gateway improvements designed to allow for Serial port improvements and future improvements
- LoRa updates, including LoRa firmware-over-the-air updates (FUOTA), LoRa Network Server (LNS) Changes, LoRa Packet Forwarder (LPF), and Basic Station changes.
- User interface improvements through the use of material icons and updated device images
- Updates to the operating system components
- Networking updates that improve WAN/LAN connectivity

mPower Software Release Notes can be downloaded at:

<https://www.multitech.com/documents/publications/sales-flyers/mPower%20Software%206.x.x%20Conduit%20Gateways.pdf>

Schedule

Conduit devices with mPower 6.0.1:

- Manufacturing: Starting October 2022
 - Date of Manufacture: Starting October 3, 2022
 - See [model numbers impacted](#) for details
 - Identifying Date of Manufacture (chassis label)



DOM: 2022.10.03

DOM = Date of Manufacture
2022 = Year
10 = October
03 = Day

Models Impacted (mPower 6.0.1)

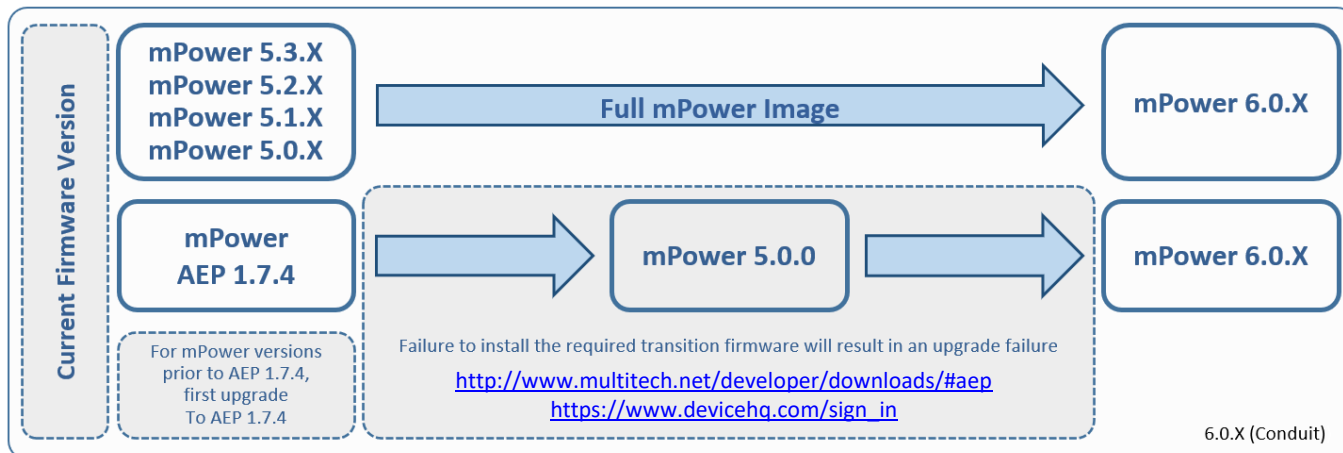
The following ordering part numbers are impacted by these updates:

- MultiTech Conduit[®] Gateway
 - MTCDT-240A, MTCDT-246A, MTCDT-247A
 - MTCDT-L4G1, MTCDT-L4E1, MTCDT-L4N1, MTCDT-LAP3, MTCDT-LAT3, MTCDT-LDC3, MTCDT-LSB3
- MultiTech Conduit[®] IP67 200 Series Base Station
 - MTCDTIP2-EN
 - MTCDTIP2-L4E1, MTCDTIP2-LNA3
- MultiTech Conduit[®] IP67 Base Station
 - MTCDTIP-266A, MTCDTIP-267A
 - MTCDTIP-L4G1, MTCDTIP-L4E1, MTCDTIP-L4N1, MTCDTIP-LAP3, MTCDTIP-LDC3, MTCDTIP-LSB3
- MultiTech Conduit[®] AP Access Point
 - MTCAP-868, MTCAP2-868, MTCAP-915, MTCAP2-915
 - MTCAP-L4E1, MTCAP2-L4E1, MTCAP-LNA3, MTCAP2-LNA3

Upgrade Process (mPower 6.0.1)

To install mPower 6.0.1, the Conduit device must be upgraded to mPower 5.0.0 or higher. Customers that are running earlier versions of mPower should use the following upgrade process.

Differential mPower images are not available for mPower 6.0.1



Using an old configuration file on new Conduit devices may result in the new devices becoming non-functional. To successfully update new Conduit devices, create separate configuration templates for each type of Conduit device:

- Hardware model (MTCAP, MTCDT, MTCDTIP)
- Hardware version (MTCAP-0.0, MTCDT-0.1, MTCDT-0.2, MTCDTIP-0.0, MTCDTIP-0.1)
- Cellular radio (-L4G1, -L4N1, -L4E1)
- mPower version (mPower 5.3.7, mPower 5.3.8s-s1, mPower 6.0.1)

When upgrading a device fleet:

1. Upgrade the mPower version on one device
2. Modify the user-specific configuration settings
3. Perform in-house testing and adjust settings if necessary
4. Use the newly developed configuration file as part of field updates when the new version of mPower is widely deployed

mPower Edge Intelligence Overview

mPower™ Edge Intelligence is MultiTech’s embedded software offering delivering programmability, network flexibility, enhanced security, and manageability for scalable Industrial Internet of Things (IIoT) solutions. mPower Edge Intelligence simplifies integration with a variety of popular upstream IoT platforms to streamline edge-to-cloud data management and analytics, while also providing the programmability and processing capability to execute critical tasks at the edge of the network to reduce latency, control network and cloud services costs, and ensure core functionality – even in instances when network connectivity may not be available.

Additional Information

Software Release Notes, mPower 6.x.x:

<https://www.multitech.com/documents/publications/sales-flyers/mPower%20Software%206.x.x%20Conduit%20Gateways.pdf>

Downloads:

Visit <http://www.multitech.net/developer/downloads/>

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MultiTech Security Advisories

www.multitech.com/landing-pages/security

MultiTech monitors industry news and announcements to identify security issues that may impact our devices and operating systems and strive to provide the information and tools to keep your deployments secure and online.

MultiTech Developer Resources:

www.multitech.net

An open environment where you can ask development related questions and hear back from MultiTech engineering or a member of this community.

Knowledge Base:

<http://www.multitech.com/kb.go>

Immediate access to support information and resolutions for all MultiTech products.

MultiTech Support Portal:

support.multitech.com

Create an account and submit a support case directly to our technical support team.

MultiTech Website:

www.multitech.com

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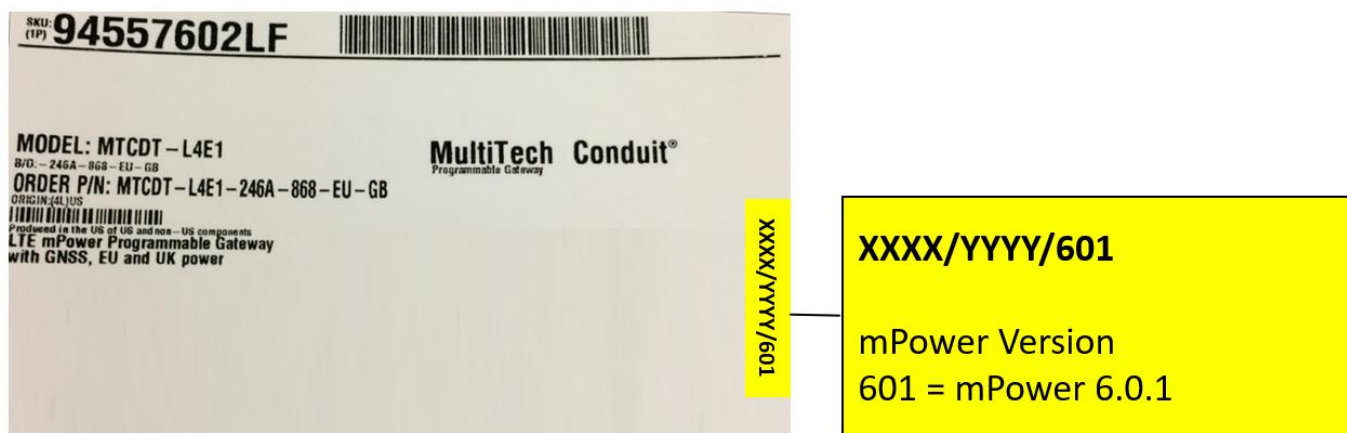
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ATTACHMENT I Identifying mPower Version

There are multiple ways of identifying the mPower version on a Conduit device:

1. Product Packaging

The carton label for each Conduit device includes an indication of the mPower version included.



2. mPower User Interface

- The Homepage (dashboard) displays a summary of the configuration settings for the Conduit device
- Device-Firmware: mPower Edge Intelligence version

3. DeviceHQ

- MultiTech DeviceHQ[®] is a cloud-based toolset for managing the latest generation of MultiTech devices, including the Conduit devices.
- On the **DeviceHQ Device Page**, ensure that the “Firmware” field is chosen as a column selection
- For all Conduit devices assigned to the account, the mPower version will be displayed

4. API Command

The Conduit uses RESTful JSONAPI for managing configurations, polling statistics, and issuing commands. Executing the following API command will return the mPower version of the Conduit device:

- API Command: `https://192.168.2.1/api/system/firmware`
- Instructions:
 1. Log into the Conduit device using a web browser
 2. Open a new tab and enter `https://192.168.2.1/api/system/firmware`
 - Command is case sensitive
 - Change the device IP address if necessary
 3. Press Enter
 4. Conduit device returns the following. In this example, the mPower version is mPower 6.0.1:
“code”: 200
“result”: “6.0.1”
“status”: “success”

Revision History

Version	Author	Date	Change Description
-002	DT	10/03/2022	Production dates updated mPower version updated
-001	DT	08/05/2022	Original version