



# MC18N0 BSP 02.14.0120 RELEASE NOTES

## INTRODUCTION

The MC18 personal shopper solution is a smartphone-style, state-of-the-art mobile computer that transforms the shopping experience. As the next generation self-scanning solution, the MC18 enables retail shoppers to easily and conveniently scan items as they shop, saving time and avoiding the need to wait in lines at checkout. Retail shoppers can also receive discount coupons, as well as suggestions for complementary items.

Recovery update package v02.14.0120 contains the MC18 REVB+ software. Along with different feature additions, the new software also adds support for the REVB Tianma display panel.

This software is intended to be loaded and run on the MC18N0 SKU devices. It is important that care be taken to match the device configuration with the appropriate Recovery update package. If an incorrect Recovery update package is loaded, the device may not boot.

## COMPONENT DESCRIPTION AND VERSION

Product Build Number	02-14-12-4AJ22-K-00-M1-012017
Android Version	4.4.4
Linux Kernel	3.4.48
x-loader	1.41.0
u-boot	1.1.4
Android SDK Level	19
Platform (TI/MPA/ etc)	TI -omap4 4430 - 4AJ22
Bluetooth Stack	4



Flash Size	4G
RAM Size	1G
MSP Agent/RD	7.08.85
Scanning Framework	6.23.0
Datawedge	3.3.12
DWDemo	2.0.7
OSX/MXMF	TI_OSX_4.5-2, 5.0.1.4
Wi-Fi	FUSION_A_4.01.0.0.013
RxLogger	3.0.0.52
MLogManager	6.52
Touch FW	3.0.AB
EA	3.62
SPAM	4.7
StageNow	2.2.1.1445
B2M Elemez	1.0.0.260
Data Analytics	1.0.2.1495
App Gallery	2.2.0.1
SOTI	12.2.0
EMDK	4.0.4.0
ZVC	1.1.15
BatteryManagement	1.2



## Features Added/Supported Since Previous Release:

### New Features

- Support added for Tianma display REVB
- Power Management fix for Red Battery Icon Issue (SPR#28320)

**IMPORTANT NOTE:** This OS version adds downgrade protection to older released os versions. Once upgraded to this version, users shall not be permitted to downgrade to previous released OS versions. This is to ensure that the latest display settings are not reverted back.

- EA changed to 3.62 to fix battery issue.

### General SPRs fixed

- SPR29931 - Fix for Reporting wrong cradle location when using Revision application
- SPR30400 - Fix for (Feature Request) Network Monitoring Notification enable/disable feature included in BSP 070116 CFE v2 could be improved
- SPR29787 - Proxy Wildcard Feature Request
- SPR29076 - Fix for Network monitor dialog box
- SPR30140 - Fix for MC40 v072015 Uninstall/Install using Send\_MX\_XML / MX API Fails
- SPR31174 - MC18 KK (build 031216) - "Battery was improperly removed before the reboot"
- SPR30157 - Fix for REVB+ device onsite at Loma Linda Murrieta Location suffers a reboot
- [SPR29735] - Limit eMMC MAX operating frequency to 52MHz if host does not support HS200
- [All]CVE-2015-1805: Linux Kernel Vulnerability
- SPR31006, SPR28320 - Resolved an issue wherein the Battery was not recognized by the device as there was a break in the communication between OS and EA firmware

### Component Release Notes s (only major features since last release)

FUSION\_A\_4.01.0.0.013:

SPRs fixed:

- SPR 29874 : MC18 network issues after firmware upgrade

### Exclusions

None

## CONTENTS

1. M18N0KXXVRUxx20120.zip - KK Recovery OS update package
2. M18N0KXXVAUxx20120.apf - KK AirBEAM OS update package



## DEVICE COMPATIBILITY

This software release has been approved for use with the following devices:

Device P/N	Operating System
MC18G-00-01	KitKat 4.4.4
MC18G-00-10	
MC18G-00-01A	
MC18G-00-10A	

## INSTALLATION REQUIREMENTS

1. The Software update requires high memory SKUs (1GB RAM/4GB Flash) of MC18 devices listed above.
2. Enterprise Reset and Factory Reset package files are available on the MC18 Software Download section on Zebra.com.

## INSTALLATION INSTRUCTIONS

### OS Recovery Update Package

1. Connect the USB cable from your PC to the device
2. Make sure MTP mode is selected in the USB settings in the device and MTP drivers are installed in your PC
3. The internal SD card of MC18 will be seen in your PC as mounted drive MC18N0.
4. Copy the recovery update zip file to the root folder on internal SD card
5. Remove USB cable from PC
6. Press and hold scan button for approximately 10 seconds, while in cradle to reboot the terminal. Unit will power off at this point. Release the Scan button then



again, press the scan button briefly and release it, and device will start powering on.

7. Keep holding down scan trigger immediately.
8. When Android logo appears on the screen release scan trigger (Note: If the terminal is in cradle and the trigger is pressed for more than 10 seconds it will power off. So in step above, ensure to remove the trigger as soon as the android logo appears.)
9. Navigation in the recovery menu is as follows -> Tap on the screen to switch through the options/files -> Press scan trigger to select an option/file.
10. Select "apply update from On Device Storage"
11. Select the zip file package on /sdcard that you want to update to
12. When update is complete, select "reboot system now"

### **OS AirBEAM Update package**

Please refer Mobility Service Platform deployment guide for instruction.

**Note: Battery must be 30% charged to perform update**

## **KNOWN ISSUES**

- First time launch of enterprise browser on the device (out of the box) after a reboot, disables scanner. User need to open Datawedge->Profile and quit to enable scanning again. Refer to EB documentation to know more on methods to scan in EB based applications.

## **PART NUMBER AND RELEASE DATE**

1. M18N0KXXXRUxx20120
2. M18N0KXXXAUxx20120

**February 21, 2017**