



## **Mission Critical Wireless Release Notes**

Version: v1.0  
Date: October 10, 2014  
Customer Release R01.05.00

**Table of Contents**

Mission Critical Wireless Release Notes ..... 1  
    What's new in the 01.05.00 Release? ..... 3  
    Important notes..... 4  
    Open issues summary ..... 4  
    Known issues existing in previous product releases:..... 4  
    Publicly Available Software / Open Source Software Legal Notices ..... 5

**Overview**

The purpose of this document is to provide the release notes as a result of the Mission Critical Wireless Headset and wireless remote PTT firmware provided in the R01.05.00 firmware release.

**Definitions**

A known issue is a problem that is currently unresolved (open).

A closed or resolved is an issue that has been repaired and no longer should occur in the product after upgrading to the new product version.

The risk and workaround aspects are included in the release note description for overall assessment of the problem.

## Mission Critical Secure Wireless Earpiece & Wireless PTT R01.05.00

### What's new in the 01.05.00 Release?

Version	Notes
01.05.00	This Mission Critical Wireless release supports Mobile Microphone Bluetooth Gateway.
01.04.00	This Mission Critical Wireless release adds neckloop adapter support and voice prompt feature. Wireless PTT must be upgraded to Release R01.04.00 prior using wireless PTT with neckloop adapter. Accessory Program Software (APS) R2.8 must be used to upgrade a Wireless PTT to R01.04.00 and later firmware. Please refer to APS_ReadMe file for detail.
01.03.02	This release updates charging ergonomics for the device in Dark Mode. When charging a Mission Critical Wireless (MCW) POD set to operate in Dark Mode, the Charging LED will illuminate to indicate that the device is being charged. When the POD is disconnected from the charger, the LED will no longer be illuminated. The device will remain in Dark Mode.
01.03.00	Added earbud/earbud headset – NNTN8294; NNTN8295; NNTN8296 support.
01.02.01	This Mission Critical Wireless firmware release corrects an issue in which the Mission Critical Wireless (MCW) Headset s used with the XTS Series radio and a Bluetooth® (BT) Adapter Kit or an APX Series radio with build-in Bluetooth®/BT option board may have low or weak audio output level, even at Max Volume setting. <b>CAUSE:</b> An error in version R01.01.01 or R01.02.00 MCW Headset firmware.
01.02.00	Support added for MCW remote PTT device functionality with APX radios. FW release 01.02.00 added Mission Critical Wireless remote PTT supports for APX radios with Bluetooth Option Board support using APX firmware R07.00.00 - Subscriber Release Software 7.11.5. All FW releases issued after 01.02.00 will support Mission Critical Wireless remote PTT supports for APX radios with build-in Bluetooth®. APX radios loaded with SW releases earlier than APX firmware R07.00.00 - Subscriber Release Software 7.11.5 don't support connection with MCW remote PTT device. Customers using XTS radios with the Mission Critical Wireless XTS Dongle [PMLN5792] do not need to upgrade Mission Critical Wireless Pod to R01.02.00 firmware.
01.01.01	Features added in R01.01.01 firmware compared to the initial firmware release are listed below. <ul style="list-style-type: none"> <li>○ Support added for the Mission Critical Wireless XTS Dongle.</li> <li>○ Remote PTT support for the Mission Critical Wireless XTS Dongle</li> <li>○ Synchronized Dark Mode between the wireless adapter, wireless PTT and Wireless Headset. This means if you put the wireless earpiece into dark mode, the wireless PTT and the wireless dongle will enter dark mode as well.</li> <li>○ Since XTS does not support system volume, local volume updates are supported using headsets and remote PTT devices.</li> <li>○ Upon Bluetooth disconnection the Dongle, PTT and Headset will attempt to reconnect for up to 8 hours.</li> <li>○ The Dongle, PTT and Headset will always remember the device they were last paired with unless they are forcefully unpaired.</li> </ul>

01.01.00	Initial release supporting MCW audio pod functionality with APX radios.
----------	---

**Important notes**

None to report

**Open issues summary**

None to report

**Known issues existing in previous product releases:**

None to report

## OSS Legal Notices

---

### **Publicly Available Software / Open Source Software Legal Notices**

This media, or Motorola Solutions Product, may include Motorola Solutions Software, Commercial Third Party Software, and Publicly Available Software.

The Motorola Solutions Software that may be included on this media, or included in the Motorola Solutions Product, is Copyright (c) by Motorola Solutions, Inc., and its use is subject to the licenses, terms and conditions of the agreement in force between the purchaser of the Motorola Solutions Product and Motorola Solutions, Inc.

The Commercial Third Party Software that may be included on this media, or included in the Motorola Solutions Product, is subject to the licenses, terms and conditions of the agreement in force between the purchaser of the Motorola Solutions Product and Motorola Solutions, Inc., unless a separate Commercial Third Party Software License is included, in which case, your use of the Commercial Third Party Software will then be governed by the separate Commercial Third Party License.

The Publicly Available Software in the list below is limited to the Publicly Available Software included by Motorola Solutions. The Publicly Available Software included by Commercial Third Party Software or Products, that is used in the Motorola Solutions Product, are disclosed in the Commercial Third Party Licenses, or via the respective Commercial Third Party Publicly Available Software Legal Notices.

For instructions on how to obtain a copy of any source code being made publicly available by Motorola Solutions related to software used in this Motorola Solutions Product you may send your request in writing to:

Motorola Solutions, INC.  
Government & Public Safety Business  
Publicly Available Software Management  
1301 E. Algonquin Road  
Schaumburg, IL 60196  
USA.

In your request, please include the Motorola Solutions Product Name and Version, along with the Publicly Available Software specifics, such as the Publicly Available Software Name and Version.

Note, the source code for the Publicly Available Software may be resident on the Motorola Solutions Product Installation Media, or on supplemental Motorola Solutions Product Media. Please reference and review the entire Motorola Solutions

Publicly Available Software Legal Notices and End User License Agreement for the details on location and methods of obtaining the source code.

Note, dependent on the license terms of the Publicly Available Software, source code may not be provided. Please reference and review the entire Motorola Solutions Publicly Available Software Legal Notices and End User License Agreement for identifying which Publicly Available Software Packages will have source code provided.

To view additional information regarding licenses, acknowledgments and required copyright notices for Publicly Available Software used in this Motorola Solutions Product, please select “Legal Notices” display from the GUI (if applicable), or review the Legal Notices and End User License Agreement File/README, on the Motorola Solutions Install Media, or resident in the Motorola Solutions Product.

MOTOROLA SOLUTIONS and the Stylized M logo are registered in the US Patent and Trademark Office. All other trademarks, logos, and service marks ("Marks") are the property of the respective third party owners. You are not permitted to use the Marks without the prior written consent of Motorola Solutions or such third party which may own the Marks.

```
=====
PUBLICLY AVAILABLE SOFTWARE LIST
=====
```

Name: ATMEL AVR®32 AT32UC Development Environment / Files

Version: IAR Assembler for AVR32 Version 3.20A (3.20.1.3)

AVR32 AT32UC-EK software package Version 1.5

Description:

ATMEL Microcontroller Software Development Kit (SDK).

Some of the Files contained within the Commercial SDK are covered by Open Source Software Terms.

Motorola modified Files within the SDK to meet the specific needs and requirements of the Motorola Product.

COPYRIGHT 2010 MOTOROLA, INC. ALL RIGHTS RESERVED.

COPYRIGHT 2011 MOTOROLA SOLUTIONS, INC. ALL RIGHTS RESERVED.

Software Site: <http://www.atmel.com>

Source Code: No Source Code Distribution Obligations.

License: BSD Type License Terms

```
# /* -----
```

```
# *   ATMEL Microcontroller Software Support
```

```
# * -----
```

```
/* Copyright (c) 2009 Atmel Corporation. All rights reserved.
```

```
*
```

```
* Redistribution and use in source and binary forms, with or without
```

```
* modification, are permitted provided that the following conditions are met:
```

```
*
```

```
* 1. Redistributions of source code must retain the above copyright notice, this
```

```
* list of conditions and the following disclaimer.
```

```
*
```

```
* 2. Redistributions in binary form must reproduce the above copyright notice,
```

```
* this list of conditions and the following disclaimer in the documentation
```

```
* and/or other materials provided with the distribution.
```

```
*
```

```
* 3. The name of Atmel may not be used to endorse or promote products derived
```

```
* from this software without specific prior written permission.
```

```
*
```

```
* 4. This software may only be redistributed and used in connection with an Atmel
```

```
* AVR product.
```

```
*
```

```
* THIS SOFTWARE IS PROVIDED BY ATMEL "AS IS" AND ANY EXPRESS OR IMPLIED
```

```
* WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF
```

```
* MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NON-INFRINGEMENT ARE
```

```
* EXPRESSLY AND SPECIFICALLY DISCLAIMED. IN NO EVENT SHALL ATMEL BE LIABLE FOR
```

\* ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES  
 \* (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES;  
 \* LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND  
 \* ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT  
 \* (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS  
 \* SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE \*/

Credits: N/A

=====  
 Name: OPENRTOS (Commercial RTOS) Open Source Legal Notices

Version: N/A

Description:

OPENRTOS is a small, efficient embedded kernel based on the highly successful FreeRTOS. FreeRTOS is developed by FreeRTOS.org and released under a modified GPL license, FreeRTOS is completely free to download and use, even in commercial applications. It is simultaneously released by WITTENSTEIN High Integrity Systems as OPENRTOS, with full commercial support and licensing. The OPENRTOS commercial license has no GPL obligations.

Some of the Files contained within the OPENRTOS are covered by Open Source Software Terms.

Motorola modified Files within OPENRTOS to meet the specific needs and requirements of the Motorola Product.

COPYRIGHT 2010 MOTOROLA, INC. ALL RIGHTS RESERVED.

COPYRIGHT 2011 MOTOROLA SOLUTIONS, INC. ALL RIGHTS RESERVED.

Software Site: <http://www.highintegritysystems.com>

Source Code: No Source Code Distribution Obligations.

License: BSD Type License Terms

/\* Copyright (c) 2007, Atmel Corporation. All rights reserved.

\* Redistribution and use in source and binary forms, with or without  
 \* modification, are permitted provided that the following conditions are met:  
 \* 1. Redistributions of source code must retain the above copyright notice,  
 \* this list of conditions and the following disclaimer.  
 \* 2. Redistributions in binary form must reproduce the above copyright notice,  
 \* this list of conditions and the following disclaimer in the documentation  
 \* and/or other materials provided with the distribution.  
 \* 3. The name of ATMEL may not be used to endorse or promote products derived  
 \* from this software without specific prior written permission.  
 \* THIS SOFTWARE IS PROVIDED BY ATMEL ``AS IS'' AND ANY EXPRESS OR IMPLIED  
 \* WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF  
 \* MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE EXPRESSLY AND  
 \* SPECIFICALLY DISCLAIMED. IN NO EVENT SHALL ATMEL BE LIABLE FOR ANY DIRECT,  
 \* INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES  
 \* (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES;



\* LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND  
\* ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT  
\* (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF  
\* THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.

\*/

/\* Copyright (c) 2009 Atmel Corporation. All rights reserved.

\*

\* Redistribution and use in source and binary forms, with or without  
\* modification, are permitted provided that the following conditions are met:

\*

\* 1. Redistributions of source code must retain the above copyright notice, this  
\* list of conditions and the following disclaimer.

\*

\* 2. Redistributions in binary form must reproduce the above copyright notice,  
\* this list of conditions and the following disclaimer in the documentation  
\* and/or other materials provided with the distribution.

\*

\* 3. The name of Atmel may not be used to endorse or promote products derived  
\* from this software without specific prior written permission.

\*

\* 4. This software may only be redistributed and used in connection with an Atmel  
\* AVR product.

\*

\* THIS SOFTWARE IS PROVIDED BY ATMEL "AS IS" AND ANY EXPRESS OR IMPLIED  
\* WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF  
\* MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NON-INFRINGEMENT ARE  
\* EXPRESSLY AND SPECIFICALLY DISCLAIMED. IN NO EVENT SHALL ATMEL BE LIABLE FOR  
\* ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES  
\* (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES;  
\* LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND  
\* ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT  
\* (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF THIS  
\* SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE

\*

\*/

Credits: Copyright (C) 2003-2008 Richard Barry