



# AirPrime HL7618RD

## Firmware 1.10 Customer Release Note



**SIERRA**  
WIRELESS®

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## Important Notice

Due to the nature of wireless communications, transmission and reception of data can never be guaranteed. Data may be delayed, corrupted (i.e., have errors) or be totally lost. Although significant delays or losses of data are rare when wireless devices such as the Sierra Wireless modem are used in a normal manner with a well-constructed network, the Sierra Wireless modem should not be used in situations where failure to transmit or receive data could result in damage of any kind to the user or any other party, including but not limited to personal injury, death, or loss of property. Sierra Wireless accepts no responsibility for damages of any kind resulting from delays or errors in data transmitted or received using the Sierra Wireless modem, or for failure of the Sierra Wireless modem to transmit or receive such data.

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Do not operate the Sierra Wireless modem in areas where cellular modems are not advised without proper device certifications. These areas include environments where cellular radio can interfere such as explosive atmospheres, medical equipment, or any other equipment which may be susceptible to any form of radio interference. The Sierra Wireless modem can transmit signals that could interfere with this equipment. Do not operate the Sierra Wireless modem in any aircraft, whether the aircraft is on the ground or in flight. In aircraft, the Sierra Wireless modem **MUST BE POWERED OFF**. When operating, the Sierra Wireless modem can transmit signals that could interfere with various onboard systems.

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*Note: Some airlines may permit the use of cellular phones while the aircraft is on the ground and the door is open. Sierra Wireless modems may be used at this time.*

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The driver or operator of any vehicle should not operate the Sierra Wireless modem while in control of a vehicle. Doing so will detract from the driver or operator's control and operation of that vehicle. In some states and provinces, operating such communications devices while in control of a vehicle is an offence.

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# Document History

Version	Date	Updates
1.0	April 11, 2018	Creation
1.1	April 16, 2018	Updated: <ul style="list-style-type: none"><li>• 4.3 Released Files and Download Processes</li><li>• Table 6 Validated Corrections and Improvements</li></ul>



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# 1. Introduction

This document is the Firmware 1.10 customer release note of the AirPrime HL7618RD.



## 2. Abbreviations and Definitions

Table 1. Abbreviations and Definitions

Abbreviation/Acronym	Definitions
ADC	Analog Digital Converter
GPIO	General Purpose Input Output
PCM	Pulse Code Modulation
PWM	Pulse Width Modulation
SIM	Subscriber Identity Module
UART	Universal Asynchronous Receiver Transmitter
UICC	Universal Integrated Circuit Card
USB	Universal Serial Bus



## 3. Related Documentation

- [1] AirPrime HL7618RD Product Technical Specification  
Reference number: 4119874
- [2] AirPrime HL76xx AT Commands Interface Guide  
Reference number: 4118395
- [3] AirPrime HL7 Series Firmware Download User Guide  
Reference number: 4116153



## 4. Software Release Description

### 4.1. Release Identification

Table 2. Firmware Release Information

<b>Maturity / Maturity ID</b>	HL7618RD: Release candidate / R
<b>Date of generation</b>	Feb 20 2018 16:19 GMT+8
<b>IMEI SV</b>	HL7618RD: 04
<b>Baseline version</b>	151600
<b>Modem Firmware Identification (ATI3)</b>	HL7618RD.V.1.10.151600.201802201619.x7120m_1
<b>Full Firmware Identification (ATI10)</b>	Modem-Firmware: HL7618RD.V.1.10.151600.201802201619.x7120m_1 Primary-Boot: RHL7618RD.V.1.10.0202170420.201802201619.x7120m_1 Secondary-Boot: RHL7618RD.V.1.10.0202170420.201802201619.x7120m_1 Update-Agent: RHL7618RD.V.1.10.0202170413.201802201619.x7120m_1 4G-Firmware: 7160.S3.561.34.4.806.04.5451.18265 3G-Firmware: 202.640.426.42-54.35
<b>ALL-IN-ONE Firmware FLS image</b>	Filename: RHL7618RD.V.1.10.151600.201802201619.x7120m_1_signed.fl File size in bytes: 20719675 Checksum (CRC32): 0xD961BA85 Checksum (MD5): 816975909839EA080315FB9CB077FF95
<b>ALL-IN-ONE Firmware image, Windows one-click downloader</b>	Filename: RHL7618RD.V.1.10.151600.201802201619.x7120m_1_signed.exe File size in bytes: 8802993 Checksum (CRC32): 0xD3916919 Checksum (MD5): 5F67BD22CC0EB227B5CDA4BE7C8F8128

### 4.2. Software Tools Versions

Table 3. Software Tools Versions

<b>Software Tools Name</b>	<b>Version</b>	<b>Resource file</b>
USB Flash Driver	v.4.140.3.66; DLL=v.4.140,0.0	Not applicable
Command Line FlashTool (DownloadTool.exe, dll)	v.1.37; DLL=v.4.140,0.0	Not applicable
USB Host Driver version	WMC_comneon8_v4.32.0 WMC_imc1_v4.44.0_cust	Not applicable

### 4.3. Released Files and Download Processes

Table 4. Released Files and Download Processes

Download Option	Released Files and Download Processes
Released Files	Refer to 4.1 Release Identification
Download Process	<p>ALL-IN-ONE Firmware image, Windows one-click downloader:                      Double click the file and then reboot or re-power on the device. The download tool embedded in the executable will start downloading the firmware to the device. The one-click file includes the command line FlashTool.</p> <p>ALL-IN-ONE Firmware FLS image:                      Run command line <code>DownloadTool -c USB1 &lt;All-In-One-FLS-Image&gt;</code> and then reboot or re-power on the device. The download tool will start downloading the firmware to the device.</p>

Prior to performing a firmware download, the USB cable must be connected to the HS-USB port of the device, and the USB Flash Driver must be installed. Refer to document [3] AirPrime HL7 Series Firmware Download User Guide for more information regarding the download process.

Compatibility between the one-click file and module type should be taken into consideration, especially with regards to security.

Table 5. Compatibility Matrix

Firmware	Non-Fused Module		Fused Module	
	One-Click	+WDS	One-Click	+WDS
HL7618RD.V.1.xx_signed	N/A	N/A	OK	OK

Refer to document [2] AirPrime HL76xx AT Commands Interface Guide for more information regarding +WDS (\*.dwl).

## 5. Software Changes

This section lists all corrections or improvements integrated in Firmware 1.10. Issues are sorted alphabetically by Impacted Domain.

**Table 6. Validated Corrections and Improvements**

<b>ID</b>	<b>Description</b>	<b>Impacted Domain / Sub-Domain</b>
1494	IP Filter when in UDP server mode	AT/Other
1615	Increase size of AVMS task queue to avoid crash during monitoring	AVMS/Other
1616	[HL7618RD] SIB ASN.1 decoding issue - fix propagation	LTE/Other
1388	[OTADM] Motive TC 3.9.1 Failure- ADMIN APN2 does not attach via IPV6	OMADM/VZW
1641	Enable OMADM IPV6	OMADM/VZW
1452	Integrate M2M_7160_VRZ_HL7588_01.1722.00	OTHER/Other
1509	Integrate M2M_7160_VRZ_HL7588_01.1734.01	OTHER/Other
1519	Integrate M2M_7160_VRZ_HL7588_01.1738.01	OTHER/Other
1522	Integrate M2M_7160_VRZ_HL7588_01.1741.00	OTHER/Other
1528	Integrate M2M_7160_HL7588_1743.00	OTHER/Other
1539	Integrate chipset patch M2M_7160_HL7588_01.1743.00_SMS22898564_SMS22876719_PAT CH_Patch	OTHER/Other
1626	Integrate M2M_7160_VRZ_HL7588_01.1805.00	OTHER/Other
1643	Integrate RHL7618RD.V.1.10 Firmware Release	OTHER/Other



## 6. Restrictions and Known Issues

This section lists restrictions and known issues that must be considered. Issues are sorted alphabetically by Impacted Domain.

Table 7. Restrictions and Known Issues

ID	Description (What/When)	Impacted Domain / Sub-Domain
1574	HL7618RD: IMS was not registered and OMA session did not launch	IMS/Other (Need device reset when issue happen as workaround)
1623	[HL7618RD][VZW][OTADM] SIM provisioning fails to update APN's	IMS/Other (Need a work around to write the APN as part of the activation process)



## 7. Troubleshooting

Please contact customer service for support and debugging information.

## 8. Certification

AirPrime HL7618RD VZW has been granted Verizon certification (MR TA).