



Release Title:	RTS Software Suite v2019.12
Release Date:	20-Dec-2019

This is the readme for the RTS Software Suite v2019.12. This suite contains firmware and packages to comply with California Senate Bill 327. For new devices, authentication must now be configured when first connecting to the device. This is necessary for compliance with California Law, re: SB327: An act to add Title 1.81.26 (commencing with Section 1798.91.04) to Part 4 of Division 3 of the California Civil Code, relating to information privacy. The following products have been updated in this suite:

1. MCIIe
2. ODIN
3. RVON+
4. Legacy RVON Products
 - a. RVON -16
 - b. RVON-8
 - c. RVON-IO
 - d. RVON-KP
 - e. RVON-C
5. KP-Series-OMNEO and KP-Series-RVON
6. PAP-5032-OMNEO and PAP-5032-RVON
7. OMI
8. OKI
9. OEI-2
10. AZedit
11. IPedit
12. ROAMEO (OAP)
13. RP-1000
14. KP 32 CLD
15. KP 12 CLD

In addition, the OMNEO firmware is updated to include support for ST-2110-30. For details, please refer to the individual products release notes

1. Update to Products

The firmware for the following products is updated and included in this suite:

[ODIN v1.1.2](#)

[MCII-e v3.5.2](#)

[KP-Series v2.3.3 \(OMNEO\) w/Bootloader v1.4.2 and FPGA v6.5.5](#)

[KP-Series RVON v1.5.3R w/Bootloader v1.4.2 and FPGA v6.5.5](#)

[PAP-5032 v1.0.5 \(OMNEO\)](#)

[PAP-5032 v1.0.5R \(RVON\)](#)

[RP-1000 v2.1.4](#)

[KP 12 CLD v1.4.9](#)

[KP 32 CLD v1.7.10](#)

[KP32 Classic v2.5.2 w/Bootloader v0.1.1](#)

- Bootloader must be upgraded to v0.1.0 or higher prior to downloading v2.4.1 or higher

2.1 OMNEO

This suite contains firmware for the following OMNEO devices:

[OMI v6.5.0](#)

[OKI v6.5.0](#)

[OEI v2.5.0](#)

[OKP v2.3.3 \(KP-Series\)](#)

[EPAP v1.0.5 \(PAP-5032\)](#)

[OAP \(ROAMEO\) v8.4.1](#)

[ODIN V1.1.2](#)

Please refer to the technical manual for each product for information on how to update the firmware.



2.2 RVON

This suite contains firmware for the following RVON devices:

[RVON-8 v2.7.1](#)

[RVON-16 v2.7.1](#)

[RVON-KP v2.7.1](#)

[RVON-C v2.7.1](#)

[RVON-IO v2.7.1](#)

2.3 AIO16 and AIO-16A

The suite contains firmware for AIO16 and AIO16A IO cards.

AIO16 v1.7.0

AIO16A v1.2.1

2.4 Tools

Following version of the tools are included in this suite

a. [AZedit v5.4.2](#)

b. [IPedit v3.6.2](#)

c. FWUTv6.20

The previous version (v5.40) of FWUT is also compatible with this suite

2. Fixes and Improvements (overview)

- a. In a multi-frame ODIN system, AZedit could report that port 1 of one of the frames was unallocated (none). This has been resolved
- b. All products, which support OMNEO, support the following Open Source software information (OSS components used and the corresponding license text) can be uploaded by typing in the device's IP address in any browser such as Firefox, Chrome, or Edge.
- c. AZedit and IPedit updated to support California Senate Bill 327
- d. Added new IPedit command: Reset authentication If a user (logged in with Admin permissions) holds down Shift+Ctrl while right-clicking the ODIN OMNEO device in the catalog on the left-hand side, the pop-up context menu now includes the item "Reset Authentication Table"
- e. Fixed handling of PAP-5032's in large systems
- f. Fixed audio drop-out problems for RVON+ and ODIN-RVON connections
- g. Add limited support for ST-2110-30 (need DDM and Dante Controller)

[For other improvements and fixes refer to individual products release /readme notes.](#)

**3. Software Compatibility Matrix**

		<i>OMI Version</i>				
		6.1.13	6.2.26	6.2.28	6.4.0	6.5.0
ODIN	1.0.4	✗	✓	✓	✓	✓
	1.1.0	✗	✓	✓	✓	✓
	1.1.1	✗	✓	✓	✓	✓
	1.1.2	✗	✓	✓	✓	✓
OKI	6.1.13	✓	✓	✓	✓	✓
	6.2.26	✓	✓	✓	✓	✓
	6.4.0	✓	✓	✓	✓	✓
	6.5.0	✓	✓	✓	✓	✓
OEI2	2.1.13	✓	✓	✓	✓	✓
	2.2.26	✓	✓	✓	✓	✓
	2.4.0	✓	✓	✓	✓	✓
	2.5.0	✓	✓	✓	✓	✓
KP-Series (OMNEO)	2.1.4	✓	✓	✓	✓	✓
	2.2.0	✓	✓	✓	✓	✓
	2.3.0	✓	✓	✓	✓	✓
	2.3.1	✓	✓	✓	✓	✓
	2.3.2	✓	✓	✓	✓	✓
	2.3.3	✓	✓	✓	✓	✓
PAP- 5032	1.0.3	✗	✗	✗	✓	✓
	1.0.5	✗	✗	✗	✓	✓



		ODIN Version			
		1.0.4	1.1.0	1.1.1	1.1.2
KP-Series (RVON)	1.3.2	✗	✓	✓	✓
	1.4.2	✗	✓	✓	✓
	1.5.0	✗	✓	✓	✓
	1.5.1	✗	✓	✓	✓
	1.5.3	✗	✓	✓	✓
RVON's	2.6.0	✗	✓	✓	✓
	2.7.0	✗	✓	✓	✓
	2.7.1	✗	✓	✓	✓
RVON+	1.0.0	✗	✓	✓	✓
	1.0.1	✗	✓	✓	✓
	1.0.2	✗	✓	✓	✓
	1.0.3	✗	✓	✓	✓
PAP-5032 (RVON)	1.0.3	✗	✓	✓	✓
	1.0.5	✗	✓	✓	✓



		ODIN Version			
		1.0.4	1.1.0	1.1.1	1.1.2
OMI	6.1.13	✗	✗	✗	✗
	6.2.26	✓	✓	✓	✓
	6.2.28	✓	✓	✓	✓
	6.4.0	✓	✓	✓	✓
	6.5.0	✓	✓	✓	✓
OKI	6.1.13	✗	✗	✗	✗
	6.2.26	✓	✓	✓	✓
	6.4.0	✓	✓	✓	✓
	6.5.0	✓	✓	✓	✓
OEI2	2.1.13	✗	✗	✗	✗
	2.2.26	✓	✓	✓	✓
	2.4.0	✓	✓	✓	✓
	2.5.0	✓	✓	✓	✓
KP-Series (OMNEO)	2.1.4	✗	✗	✗	✗
	2.2.0	✓	✓	✓	✓
	2.3.0	✓	✓	✓	✓
	2.3.1	✓	✓	✓	✓
	2.3.2	✓	✓	✓	✓
	2.3.3	✓	✓	✓	✓
PAP-5032	1.0.3	✗	✓	✓	✓
	1.0.5	✗	✓	✓	✓

4. RTS Software Suite 2019.07 release history

- AZedit and IPedit must be upgraded , as support for ODIN-RVON, RVON+ and PAP-5032 has been added in the version released in the suite 2019.07 (previous version)
- All OMNEO devices must be upgraded for
 - DDM compatibility
 - OMI and ODIN for connection to PAP-5032
- MCIIe Firmware (RVON+, PAP-5032)
- KP-series Firmware for fixes and new improved features
- RVON firmware to be compatible to RVON+ card, as the new RVON+ card support additional 16 channels (17-32). The RVON firmware need not be updated if only first 16 channels of RVON+ are used

5. Tools and Packages

This suite contains a setup program to help install the following packages. **Please run setup.exe and select the packages you want to install.** The appropriate 32-bit or 64-bit versions will be installed automatically.

[AZedit V5.4.2](#)

[IPedit V3.6.2](#)

USB Driver for AZedit V1.0.0 (32-bit and 64-bit versions included)

[Bosch DNS-SD Service V6.20](#) (32-bit and 64-bit versions included)



OMNEO Firmware Upload Tool V6.20 (32-bit and 64-bit versions included)
OMNEO FWUT NIOS plug-in V5.40 (32-bit and 64-bit versions included)
OMNEO FWUT OEI2 plug-in V5.40 (32-bit and 64-bit versions included)
OMNEO FWUT OKP plug-in V5.40 (32-bit and 64-bit versions included)
OMNEO FWUT OAP plug-in V5.40 (32-bit and 64-bit versions included)
OMNEO FWUT ODIN plug-in V5.40 (32-bit and 64-bit versions included)
OMNEO FWUT ARNI plug-in V5.30 (32-bit and 64-bit versions included)
ARNI Configuration Tool V5.30 (32-bit and 64-bit versions included)

Components required for AZedit:

- AZedit (main application)
- USB Driver (required for Zeus-III or Cronus USB connections)
- Bosch DNS-SD service (required for OMNEO Device Discovery)

Components required for IPedit:

- IPedit (main application)
- Bosch DNS-SD service (required for OMNEO Device Discovery)

Components required for OMNEO Firmware Upload Tool:

- OMNEO Firmware Upload Tool (main application, plus plug-ins installed Automatically)
- Bosch DNS-SD service (required for OMNEO Device Discovery)

Components required for ARNI Configuration Tool:

- ARNI Configuration Tool (main application)
- Bosch DNS-SD service (required for OMNEO Device Discovery)

6. Pre-Requisite

The minimum versions of the following are required to support OMNEO devices:

MCII-e V2.9.2
KP 12 CLD V1.3.1
KP 32 CLD V1.6.2
KP32 Classic V2.4.1 w/Bootloader V0.1.0 (Bootloader must be upgraded prior to downloading V2.4.1 or higher)