RTK-AM1 Firmware Release

V6.0 - 2/23/2026
Update time: 6 minutes.

Files included in this release:
RTK-AM1-RX
602_1048_06 MCU Application FW Version: 4.02.11
674_1048_02 HDMI-DP Converter FW Version: 12601
675_1048_01 USBC CC Controller FW: 02
602_1076_01 USB-Audio Application FW version: 1.00.09 (only present on RX modules with blue URL printed on face)

RTK-AM1-TX
602_1049_06 MCU Application FW Version: 4.03.07
675_1049_02 USBC CC Controller FW: 8.3.21

Release notes:
1. Added USB Auto Host Switching for Cisco mode.
2. Added Cisco connector ID mode and settings to Current Settings file.
3. Added USB Auto Host Switching status to Current Settings file.
4. Fixed USB-C compatibility issues with AMD Ryzen5 CPUs.

Known Issues:
1. When using a Cisco Codec EQ, Room Bar, or Room Bar Pro provisioned in MS Teams mode, the Teams Share button does not show/hide content from the RTK-AM1. Users must swipe from the right on the Room Navigator to reveal the Cisco native controls and use the source buttons there to select/show/hide content.

V5.0 - 12/03/2025
Update time: 21 minutes.

Files included in this release:
RTK-AM1-RX
602_1048_05 MCU Application FW Version: 4.02.00
670_1048_01 Valens VS3K Base Image Version (Bank 1): 5.006.039
671_1048_01 Valens VS3K UPT Version (Bank 2): 5.006.202
674_1048_02 HDMI-DP Converter FW Version: 12601
675_1048_01 USBC CC Controller FW: 02
602_1076_01 USB-Audio Application FW version: 1.00.09 (only present on RX modules with blue URL printed on face)

RTK-AM1-TX
602_1049_04 MCU Application FW Version: 4.03.04
670_1049_01 Valens VS3K Base Image Version (Bank 1): 5.006.039
671_1049_01 Valens VS3K UPT Version (Bank 2): 5.006.102
675_1049_01 USBC CC Controller FW: 8.3.18

Release notes:

1. Fixed TX Ethernet port lockup issue causing touch panels to occasionally drop offline.

V4.0 - 11/11/2025
Update time: 21 minutes.

Files included in this release:
RTK-AM1-RX
602_1048_04 MCU Application FW Version: 4.01.08
670_1048_01 Valens VS3K Base Image Version (Bank 1): 5.006.039
671_1048_01 Valens VS3K UPT Version (Bank 2): 5.006.202
674_1048_02 HDMI-DP Converter FW Version: 12601
675_1048_01 USBC CC Controller FW: 02
602_1076_01 USB-Audio Application FW version: 1.00.09 (only present on RX modules with blue URL printed on face)

RTK-AM1-TX
602_1049_04 MCU Application FW Version: 4.03.03
670_1049_01 Valens VS3K Base Image Version (Bank 1): 5.006.039
671_1049_01 Valens VS3K UPT Version (Bank 2): 5.006.102
675_1049_01 USBC CC Controller FW: 8.3.18

Release notes:
2. Added auto-host switching when RX DIP 2 is on.
3. Added 3rd party SCT commands for TX cable plug detection.
4. Added Cisco Expert Mode when RX DIP 3 is on.
5. Added Link quality values and cable length to log file.
6. Added Cisco communication statue to log file.
7. Fixed RX firmware update endless loop when TX is not connected.

V3.0 - 10/08/2025
Update time: 21 minutes.

Files included in this release:
RTK-AM1-RX
602_1048_03 MCU Application FW Version: 4.01.00
670_1048_01 Valens VS3K Base Image Version (Bank 1): 5.006.039
671_1048_01 Valens VS3K UPT Version (Bank 2): 5.006.202
674_1048_02 HDMI-DP Converter FW Version: 12601
675_1048_01 USBC CC Controller FW: 02
602_1076_01 USB-Audio Application FW version: 1.00.09 (only present on RX modules with blue URL printed on face)

RTK-AM1-TX
602_1049_03 MCU Application FW Version: 4.03.00
670_1049_01 Valens VS3K Base Image Version (Bank 1): 5.006.039
671_1049_01 Valens VS3K UPT Version (Bank 2): 5.006.102
675_1049_01 USBC CC Controller FW: 8.3.18

Release notes:

8. Improved audio lock/unlock detection.
9. Removed requirement that config file needed a carriage return/line feed at the end.
10. Fixed Cisco registration ID when used with MDC6.
11. Added EDID auto-refresh when video sink is removed (HDMI and USB-C on RX)
12. Added support for external AMA and embedded AMA circuits to enable audio on Cisco USB-C destination devices from HDMI TX sources.
13. Added auto-host switching mode with RX host priority. This is only enabled for non-Cisco control modes.

V2.0 - 05/15/2025
Update time: 20 minutes.

Files included in this release:
RTK-AM1-RX
602_1048_02 MCU Application FW Version: 3.04.00
670_1048_01 Valens VS3K Base Image Version (Bank 1): 5.006.039
671_1048_01 Valens VS3K UPT Version (Bank 2): 5.006.202
674_1048_01 HDMI-DP Converter FW Version: 12301
675_1048_01 USBC CC Controller FW: 02

RTK-AM1-TX
602_1049_02 MCU Application FW Version: 4.00.04
670_1049_01 Valens VS3K Base Image Version (Bank 1): 5.006.039
671_1049_01 Valens VS3K UPT Version (Bank 2): 5.006.102
675_1049_01 USBC CC Controller FW: 8.3.18

Release notes:
1. Added support for fan speed controller and error reporting.

v1.0 - 03/14/2025: Initial public release.
Update time: 20 minutes.

Files included in this release:

RTK-AM1-RX
602_1048_01 MCU Application FW Version: 3.03.12
670_1048_01 Valens VS3K Base Image Version (Bank 1): 5.006.039
671_1048_01 Valens VS3K UPT Version (Bank 2): 5.006.202
674_1048_01 HDMI-DP Converter FW Version: 12301
675_1048_01 USBC CC Controller FW: 02

RTK-AM1-TX
602_1049_01 MCU Application FW Version: 3.02.15
670_1049_01 Valens VS3K Base Image Version (Bank 1): 5.006.039
671_1049_01 Valens VS3K UPT Version (Bank 2): 5.006.102
675_1049_01 USBC CC Controller FW: 8.3.18