

## Ross Routing Switcher Firmware

This document summarizes the firmware for the Ross routing switcher products.

### Document Revisions

| Revision | ECO#   | Description  | Date      |
|----------|--------|--|-----------|
| 01       | 013665 | Initial release  | 09AUG2017 |
| 02       | 013789 | Corrected a typo in the NK-3G144-X version number  | 07SEP2017 |
| 03       | 014139 | Updated the software versions for the RCP-ME, RCP-QEx, Ultripower, Ultrix, and Ultracore.<br>Added NK-GPI to the Control Products section.   | 20NOV2017 |
| 04       | 014617 | Updated the software versions for RCP-ME, and RCP-QEx.<br>Added ULTRIX-FR5 and ULTRIX-UCC to the Ultracore Series section.   | 12MAR2018 |
| 05       | 015057 | Updated the software versions for the RCP-ME, RCP-QEx, Ultracore-CC, and ULTRIX-FRx.   | 07JUN2018 |
| 06       | 015606 | Updated the software versions for the Ultripower, Ultracore-CC, and ULTRIX-FRx.  | 24SEP2018 |
| 07       | 015789 | Updated the software versions for the Ultracore-CC, and ULTRIX-FRx.  | 06NOV2018 |
| 08       | 016029 | Updated the software versions for the Ultracore-CC, and ULTRIX-FRx.<br>Added Ulritouch to the Control Products section.  | 09JAN2019 |
| 09       | 016852 | Updated the software versions for the Ultracore-CC, and ULTRIX-FRx.<br>Added Ultricool to the Ultracore Series section.  | 19JUN2019 |
| 10       | 016894 | Updated the software version for the Ultracore-CC, and ULTRIX-FRx.   | 27JUN2019 |
| 11       | 017882 | Updated the software version for the Ultracore-CC. Added Ultracore-BCS to the Ultracore Series section. Added Ulritouch-4 to the Control Products section.<br>Added the ULTRIX-NS-FR1 and ULTRIX-NS-FR2 to the "Current Products" section. Moved the ULTRIX-FR1 and ULTRIX-FR2 to the "Obsolete Products" section. Updated the software version for the Ultracore-CC, Ultracore-BCS, and ULTRIX-FRx. | 30JAN2020 |
| 12       | 018702 | Updated the software version for Ultracore-CC, Ultracore-BCS, ULTRIX-UCCI, and ULTRIX-FRx.   | 24MAR2020 |
| 13       | 018466 | Updated the software version for Ultracore-CC, Ultracore-BCS, ULTRIX-UCCI, and ULTRIX-FRx.   | 08JUL2020 |
| 14       | 018729 | Updated the software version for Ultracore-CC, Ultracore-BCS, ULTRIX-UCCI, and ULTRIX-FRx.   | 14SEP2020 |
| 15       | 018798 | Updated the software version for the RCP-ME, RCP-QE18, and RCP-QE36.   | 06OCT2020 |
| 16       | 018999 | Updated the software version for Ultracore-CC, Ultracore-BCS, ULTRIX-UCCI, and ULTRIX-FRx.   | 18NOV2020 |
| 17       | 019509 | Updated the software version for Ultracore-CC, Ultracore-BCS, ULTRIX-UCCI, and ULTRIX-FRx.   | 09MAR2021 |
| 18       | 019662 | Updated the software version for Ultracore-CC, Ultracore-BCS, ULTRIX-UCCI, and ULTRIX-FRx.   | 13APR2021 |
| 19       | 019851 | Updated the software version for Ultracore-CC, Ultracore-BCS, ULTRIX-UCCI, and ULTRIX-FRx.   | 13MAY2021 |
| 20       | 020247 | Updated the software version for Ultracore-CC, Ultracore-BCS, ULTRIX-UCCI, and ULTRIX-FRx.   | 04AUG2021 |
| 21       | 020341 | Updated the software version for Ultracore-CC, Ultracore-BCS, ULTRIX-UCCI, and ULTRIX-FRx.   | 26AUG2021 |

## Current Products

| Product                        | Firmware Version     | Release Date           | Item#                          | ECO#             |
|--------------------------------|----------------------|------------------------|--------------------------------|------------------|
| <b>Ultracore Series</b>        |                      |                        |                                |                  |
| Ultracore-BCS                  | 4.6.2 (9e7700cb)     | 25AUG2021              | 2201ER-005-01                  | 020338           |
| Ultracore-CC                   | 4.6.2 (9e7700cb)     | 25AUG2021              | 2201ER-004-01                  | 020338           |
| ULTRIX-NS-FR1<br>ULTRIX-NS-FR2 | 4.6.2 (9e7700cb)     | 25AUG2021              | 2101QR-20X-02                  | 020336           |
| ULTRIX-FR5                     | 4.6.2 (9e7700cb)     | 25AUG2021              | 2101QR-205-01                  | 020335           |
| ULTRIX-UCCI                    | 4.6.2 (9e7700cb)     | 25AUG2021              | 2101QR-005-01                  | 020335           |
| Ultripower                     | SW: 1.32<br>FW: A017 | 27JUL2018<br>20SEP2017 | 2101ER-305-01<br>2101ER-304-03 | 015279<br>013828 |
| Ultricool                      | 1.05                 | 15APR2019              | 2101ER-020-01                  | 016468           |
| DETOUR                         | 1.09                 | 07JUN2017              | 9201ER-001-01                  | 013274           |
| <b>Control Products</b>        |                      |                        |                                |                  |
| NK-NET                         | 2.10                 | 23DEC2016              | 2201ER-002-02                  | 012433           |
| NK-IPS                         | 3.12                 | 04AUG2016              | 2200ER-003-01                  | 011686           |
| NK-VRC                         | 2.70                 | 11AUG2015              | 9807ER-1009BRD-1-RC            | 009749           |
| NK-3RD                         | 2.13                 | 01OCT2015              | 9807ER-1020-RC                 | 010076           |
| NK-GPI                         | 2.05                 | 16SEPT2016             | 9807ER-1008-01                 | 014143           |
| RCP-ME                         | 1.73 (5224)          | 01OCT2020              | 2201ER-003-01                  | 018792           |
| RCP-QE                         | 1.71                 | 06JUN2018              | 2201ER-003-01                  | 015105           |
| RCP-QE18                       | 1.73 (5224)          | 01OCT2020              | 2201ER-003-01                  | 018792           |
| RCP-QE36                       | 1.73 (5224)          | 01OCT2020              | 2201ER-003-01                  | 018792           |
| RCP-NK1                        | 2.06                 | 18OCT2012              | 2200ER-001-01                  | 004661           |
| RCP-NKM                        | 2.21                 | 27JUN2017              | 9806ER-1007-2-RC               | 011120           |
| NK-SCP/A                       | 2.12                 | 03APR2007              | 9807ER-1007-1-RC               | 013586           |
| NK-SCP/K2                      | 2.12                 | 13MAR2012              | 9807QR-1006BRD-1-RC            | 003192           |
| Ultritouch-2                   | 1.03 (5286)          | 18DEC2019              | 2201ER-006-01                  | 017566           |
| Ultritouch-4                   | 1.03 (5286)          | 17DEC2019              | 2201ER-007-01                  | 017566           |
| NK-3G164                       | 2.06                 | 16NOV2012              | 2100ER-002-01                  | 004836           |

| Product     | Firmware Version | Release Date | Item#            | ECO#   |
|-------------|------------------|--------------|------------------|--------|
| NK-3G16     | 2.06             | 16NOV2012    | 2100ER-002-01    | 004836 |
| NK-3G34     | 2.06             | 16NOV2012    | 2100ER-001-02    | 004836 |
| NK-3G72     | 2.02             | 28APR2012    | 9807ER-0801-RC   | 003528 |
| NK-3G144-X  | 2.12             | 31JUL2013    | 2500ER-200-01    | 006146 |
| NK-A164     | 2.01             | 25OCT2012    | 9807ER-2002-4-01 | 004418 |
| NK-A16      | 2.01             | 25OCT2012    | 9807ER-2002-01   | 004418 |
| NK-A32      | 2.01             | 07SEPT2012   | 9807ER-2003-01   | 004488 |
| NK-A64      | 2.01             | 04SETP2012   | 9807ER-0901-01   | 003908 |
| NK-D164-110 | 2.01             | 01SEPT2012   | 9807ER-2010-4-01 | 004425 |
| NK-D164-75  | 2.01             | 01SEPT2012   | 9807ER-2010-4-01 | 004425 |
| NK-D16-110  | 2.01             | 02AUG2012    | 9807ER-2010-RC   | 003557 |
| NK-D16-75   | 2.01             | 02AUG2012    | 9807ER-2010-RC   | 003557 |
| NK-D32-110  | 2.01             | 7SETP2012    | 9807ER-2007-01   | 004147 |
| NK-D32-75   | 2.01             | 7SEPT2012    | 9807ER-2007-01   | 004147 |
| NK-D64-110  | 2.02             | 04SEPT2012   | 9807ER-0501-01   | 003908 |
| NK-D64-75   | 2.02             | 04SEPT2012   | 9807ER-0501-01   | 003908 |
| NK-M16      | 2.01             | 23OCT2012    | 9807ER-2009-01   | 004178 |
| NK-M32      | 2.01             | 05SEPT2012   | 9807ER2008-01    | 004177 |

### Obsolete Products

| Product                   | Firmware Version | Release Date | Item#            | ECO#   |
|---------------------------|------------------|--------------|------------------|--------|
| NK-V164                   | 2.01             | 25OCT2012    | 9807E-2001-4-01  | 004418 |
| NK-V16                    | 2.01             | 25OCT2012    | 9807ER-2001-01   | 004418 |
| NK-V32                    | 2.01             | 7SEPT2012    | 9807ER-2005-01   | 004488 |
| RCP-NKQ                   | 2.22             | 27JUN2017    | 9806ER-1006-2-RC | 011120 |
| ULTRITOUCH                | 1.03             | 18DEC2019    | 2201ER-006-01    | 017574 |
| ULTRIX-FR1,<br>ULTRIX-FR2 | 4.6.2 (9e7700cb) | 25AUG2021    | 2101QR-20X-02    | 020337 |