

KINGSTAR 3.6.1

ETHERCAT RELEASE NOTES

KS-DOC-X64-0014-R20

IntervalZero



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KINGSTAR EtherCAT 3.6.1 release notes

New features

The following new features and improvements are available in this release:

NOTE: Reference numbers, [KS-<XXX>], are for internal tracking purposes.

- Add new supported hardware:
 - Servo drives
 - Nexcom AXE-5904 [KS-1409]
 - Stepper drives
 - Kinco FM880 [KS-1408]
 - MOONS' SSDC06-EC [KS-1413]
 - TPM STP-K121B [KS-1411]
 - EtherCAT I/O modules
 - Beckhoff EL6695 bridge terminal [KS-1407]
 - Berghof ECC I/O modules [KS-1414]
 - Berghof EtherCAT I/O modules [KS-1415]
 - TPM 207-D402H [KS-1432]
- Add **RtEcatSetDcMasterShift** to support Master Shift distributed clock. [KS-1425]

Updates

- Update the list of network interface cards. Only the cards that are workable and stable are kept in the list.

Fixes

- The incorrect error message is displayed when the network card isn't configured. [KS-1429]
- The data for SDO segmented upload is incorrect. [KS-1430]
- KINGSTAR will crash during the distributed clock (DC) calculation if all of these happen:
 1. The coupler doesn't support DC.
 2. No device before the coupler (connected to the RJ45 IN port of the coupler) supports DC.
 3. One of the devices behind the coupler (connected to the E-bus port of the coupler) supports DC.
 4. One of the devices on the coupler's RJ45 network (connected to the RJ45 OUT port of the coupler) supports DC.

If no device before the coupler supports DC, KINGSTAR uses the coupler's distributed clock (DC) as the reference clock. If the coupler doesn't support DC, it uses the device's DC behind the coupler instead, but the device on the coupler's RJ45 network can't find this DC, so KINGSTAR crashes. [KS-1574]

Get support

KINGSTAR offers a number of support options for KINGSTAR users, including third-party, online and phone support.

Third-party support

If you are a customer who purchased a KINGSTAR product through a third-party reseller, contact the reseller for support.

Online support

The KINGSTAR Customer Support web page is located at:

<http://kingstar.com/support/>

The KINGSTAR support web pages provide electronic access to the latest product releases, documentation, and release notes. You can access the online support ticketing system to submit issues or questions.

Before calling technical support

Please have the following information ready before calling KINGSTAR Technical Support:

The version number of your RTX64 and KINGSTAR software

To obtain the RTX64 version number:

1. Click **Start > All Programs > RTX64 3.5 Runtime > Control Panel**.
2. In the **RTX64 3.5 Control Panel**, record **Version** shown in the **Runtime Information** area.

To obtain the KINGSTAR version number:

1. Click **Start > All Programs > KINGSTAR > Runtime**.
2. In **Windows Explorer**, click the `ksm64.rtdll` file, and right-click the same file again.
3. On the shortcut menu, click **Properties**.

4. In the **ksm64.rtdll Properties** window, click the **Details** tab, and record **Product version**.

Phone support

For technical support related to installing and using KINGSTAR, please call technical support at this number:

+886-2-2556-8117

Hours are Monday – Friday from 9:30 to 17:30, UTC+08:00, excluding holidays.