



7K IO Module release notes

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AMENDMENT RECORD SHEET

Rev	Date	Reason for change	Revised by	Authorized
0	11-1-2007	Initial draft	H. Stoelinga	
1	7-6-2007	Added version 3.1.0.9	P. Szabo	
2	21-6-2007	Added version 3.1.0.10	H. Stoelinga	
3	29-8-2007	Added version 3.1.0.15	H. Stoelinga	
4	31-8-2007	Added version 3.1.0.17	H. Stoelinga	
5	13-9-2007	Added version 3.1.0.19	H. Stoelinga	
6	5-10-2007	Added version 3.1.0.23	H. Stoelinga	
7	28-1-2008	Added version 3.2.0.7	H. Stoelinga	
8	11-6-2008	Added version 3.3.0.7	H. Stoelinga	
9	24-6-2008	Added version 3.3.0.9	H. Stoelinga	
10	17-20-2008	Added version 3.3.0.19	H. Stoelinga	
11	10-07-2009	Added version 3.4.1.7	H. Stoelinga	
12	4-9-2009	Added version 3.4.1.10	H. Stoelinga	
13	25-9-2009	Added version 3.4.1.11	H. Stoelinga	
14	30-08-2011	Added version 3.7.0.8	H. Stoelinga	
15	02-11-2011	Added version 3.7.0.13	M. Hartog	
16	11-11-2011	Added version 3.7.0.14	M. Hartog	

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1. INTRODUCTION

This document contains the release notes for the 7K IO Module application. The registration of the release notes starts at version 3.0.0.10.

1.1. References

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2. VERSION 3.7

2.1. Version 3.7.0.14 (11-11-2011)

2.1.1. New features

1. The following device driver is added:
 - o Reson Test PPS+ZDA[tim].dev

2.2. Version 3.7.0.13 (02-11-2011)

2.2.1. Bug fixes

1. The file ClockSyncDeviceDllR.dll was missing. Now this file is added to the 7K IO Module.

2.2.2. New features

1. The naming in the program is made consistent now.
2. New version of the 7K IO Module manual is available.

2.3. Version 3.7.0.8 (30-08-2011)

2.3.1. Bug fixes

1. 5316 & 8016: Release Notes document and Operators Manual are now properly available in the Windows start menu.
2. 7154: If PDS2000 is installed on a computer where the 7K IO Module is also installed both applications keep their settings separate. Therefore the 7K IO Module does not lose device settings anymore.
3. 7598: Repair option in the 7K IO Module now works properly and installs the batch file (7KIOModule.bat).
4. 8015: 7K IO Module shortcut to 7KIOModule.bat is now also placed in the regular 7K IO Module Start menu location.
5. 8387: 7K IO Module now can work properly with PPS pulse lengths > 200 ms.

2.3.2. New features

1. 6938: UDP network host / local settings are detailed explained in the Operators Manual.
2. 7155: Operators Manual now describes the usage of device driver ports settings more elaborate.
3. 7189: During an alarm a 7k message is sent to the 7kCenter for usage in the operator interface.
4. 7190: Operators Manual now describes the timing errors which can occur.
5. About Box has been added to the 7K IO Module.

3. VERSION 3.4

3.1. Version 3.4.1.11 (25-9-2009)

3.1.1. New features

1. 7K IO module dialog popup will be visible if started by a manual action even if an error appears and disappears.
2. 7K IO module installer installs the 7K IO module to be executed with high priority.
3. Timing error will be issued when the difference between T0 and the external time > 5 ms.
4. Timing error will be issued when the difference between internal time and the operating system time > 50 ms.

3.1.2. Removed features

1. 7K IO Module hyperlink is not installed anymore by the 7K IO module installer.

3.2. Version 3.4.1.10 (4-9-2009)

3.2.1. New features

1. Improved time synchronization checks and alarms to avoid timing problems (regarding external time synchronization).
2. When a timing error has been detected by the 7K IO module the application will show itself on top of all other application with the position page selected.

3.3. Version 3.4.1.7 (10-07-2009)

3.3.1. Bug fixes

1. 5560: Distribution settings are now always saved.
2. 6942: R7k IO module default system interface name changed from Reson7000 to R7k-IO-module

4. VERSION 3.3

4.1. Version 3.3.0.19 (17-20-2008)

4.1.1. New features

1. 7k IO Module can now act as a time source for PDS2000; this only works when both applications are running on the same physical computer.

4.2. Version 3.3.0.9 (24-6-2008)

4.2.1. Bug fixes

1. increased stability of the 7K IO Module

4.2.2. Known issues

See version 6.1.2.

4.3. Version 3.3.0.7 (11-6-2008)

4.3.1. New features

1. Support added for Xsense inertial Motion Tracker.
2. Added Distribution tab for explicit distribution of data to other PC's.

4.3.2. Removed features

1. Removed the broadcast option in the Output tab.

4.3.3. Known issues

See version 6.1.2.

5. VERSION 3.2

5.1. Version 3.2.0.7 (28-1-2008)

5.1.1. New features

1. Support added for Sagem Sigma 40.

5.1.2. Known issues

PRN	Title	Description
3647	I/O Module - Need ZDA + PPS POS MV3 Driver	A random 1 sec error (begins at startup) is introduced. It appears to be result of not reading the embedded time of validity in the ZDA string but the message time stamp instead. ==== 03/04/2007 10:38:44 [UTC+0200] ==== XXXX XXXXXX ==== Request...
4253	7k IO module about box mentions CUBE	==== 09/17/2007 10:00:41 [UTC+0200] ==== XXXX XXXXXX ==== The 7k IO module does not use CUBE.
4512	7k IO module installer	==== 11/08/2007 12:29:15 [UTC+0100] ==== XXXX XXXXXX ==== The only issue is that when using the install supplied the module is not added to the startup. So you have to actively remove the older version and then apply the new one. ==== 11/08/2007...
4203	1012 output of the 7kCenter is 0.5 Hz when the input is 5 Hz	==== 09/04/2007 11:09:24 [UTC+0200] ==== XXXX XXXXXX ==== 1012 output of the 7kCenter is 0.5 Hz when the input is 5 Hz. See attached file.
4204	1003 output from 7kCenter is 5 outputs on the same timestamp	==== 09/04/2007 11:10:55 [UTC+0200] ==== XXXX XXXXXX ==== 1003 output from 7kCenter is 5 outputs on the same timestamp. Please see attached file.

6. VERSION 3.1

6.1. Version 3.1.0.23 (5-10-2007)

6.1.1. New features

1. Changed device id from 7125 to 7003 (PDS2000 device id).

6.1.2. Known issues

See version 3.0.0.10.

6.2. Version 3.1.0.19 (13-9-2007)

6.2.1. New features

1. Option is added to broadcast to port 7000 the generated 7k records instead of transporting them to the localhost only.

6.2.2. Bug fixes

1. Changed name to 7K I/O module.

6.2.3. Known issues

See version 3.0.0.10.

6.3. Version 3.1.0.17 (31-8-2007)

6.3.1. Bug fixes

1. Incorrect ZDA messages will now not crash the 7k IO Module.
2. Changed name back to "7k external I/O".

6.3.2. Known issues

See version 3.0.0.10.

6.4. Version 3.1.0.15 (29-8-2007)

6.4.1. New features

1. Added support for Doppler devices; the 7k 1007 record will be generated for these devices.

6.4.2. Known issues

See version 3.0.0.10.

6.5. Version 3.1.0.10 (21-6-2007)

6.5.1. New Features

1. 7k IO Module now also supports UDP and TCP connections for the sensors (Seabat7k.exe has been modified to support this).

2. 7k IO Module now notifies the 7kCenter if the time synchronization is triggered on the rising or falling edge of the PPS pulse.
3. Changed name to 7K I/O module.

6.5.2. Known issues

See version 3.0.0.10.

6.6. Version 3.1.0.9 (07-06-2007)

6.6.1. Bug fixes

1. Fixed update of display so now also low data-rate sensors are shown correctly.
2. 7k IO Module now always sends the 7400 message 10 ms after the whole second (instead of when the ZDA message was processed).

6.6.2. Known issues

See version 3.0.0.10.

7. VERSION 3.0

7.1. Version 3.0.0.10 (11-1-2007)

7.1.1. Bug fixes

- Changed application icon so it is visible on a black background.
- Included missing files (ot900_6as.dll, sfl300_6as.dll) in installer.
- Fixed UI handling so with high data rates the updates of the UI does not block the data transfer.

7.1.2. Known issues

PRN	Title	Description
3292	7K IO module is blocking communication when the datarate is to high	==== 12/22/2006 16:44:42 [UTC+0100] ==== XXXX XXXXXX ==== When the update rate of the datalists on the tabs of the 7K IO module is to high the visualization is blocking the communication. This is not a problem with a 1 Hz datarate but with 25 Hz it...