

Release notes for REFCON 6 Release 6.8.1

03. September 2015

These update notes describe the changes related to 6.7.2.

Important update notes:

If you are upgrading from REFCON 6.6.1, 6.7.1 or 6.7.2, please ignore these update notes.

All Refcon Monitor applications on client machines older than 6.6.1 have to be manually uninstalled.

If you do not have Microsoft .NET Framework 4.0 installed on your client machines already, you will need administrative rights when installing the updated Refcon Monitor client for the first time.

This is because part of the process is installing Microsoft .NET Framework 4.0 (if not there already). Installing Microsoft .NET Framework 4.0 unfortunately requires administrative rights.

If the REFCON user on the client machine does not have administrative rights at that time (which is very likely!), the installation process will fail.

To remedy the situation you can then either:

* Ask your system administrator to temporarily give you administrative rights (while you install the client), or

* Ask your system administrator to install Microsoft .NET Framework 4.0 on your machine beforehand (you will then not need administrative rights for the update process).

New functionality / improvements:

* Four pole monitoring added, using FMMs.

* New data points / list columns added, including "Monitored" and "Source".

* Only a few curves shown in Trend as default.

Bug fixes include:

* New web address.

* Bad disconnect handling in Planning System Interface improved.

* Carrier controller SW version 5x69 / alarm 9.

* No longer manipulating 7th digit of Container ID for RMMU.

* GMS plugin no longer creating Errors in Windows' Event Viewer.

* Monitor's possible temporary loss of connection handled more smoothly.

Release notes for REFCON 6 Release 6.7.1

23. January 2013

These update notes include the changes for 6.7.0.

Important update notes:

If you are upgrading from REFCON 6.6.1, please ignore these update notes.

All Refcon Monitor applications on client machines older than 6.6.1 have to be manually uninstalled.

If you do not have Microsoft .NET Framework 4.0 installed on your client machines already, you will need administrative rights when installing the updated Refcon Monitor client for the first time.

This is because part of the process is installing Microsoft .NET Framework 4.0 (if not there already). Installing Microsoft .NET Framework 4.0 unfortunately requires administrative rights.

If the REFCON user on the client machine does not have administrative rights at that time, (which is very likely!), the installation process will fail.

To remedy the situation you can then either:

- * Ask your system administrator to temporarily give you administrative rights (while you install the client), or
- * Ask your system administrator to install Microsoft .NET Framework 4.0 on your machine beforehand (you will then not need administrative rights for the update process).

New functionality / improvements

- * MP-4000 alarm definitions (numbers and textual descriptions) have been updated – some changes and many additions.
- * Starcool alarm definitions (numbers and textual descriptions) have been thoroughly updated – all changed, many added, a few removed.
- * Daikin alarm definitions (numbers and textual descriptions) have been thoroughly updated – some changed, many added, a few removed.
- * Carrier alarm definitions (numbers and textual descriptions) have been radically updated – all changed, many added, a few removed.
Carrier alarm definitions are now fully aligned with Carrier equipment and software versions.
- * Daikin: Controller type detection changed, now using another byte in the protocol as specified by Daikin. New picture added for Decos V. New data point Controller Hardware Version added.
- * Daikin controller type change on the fly is now detected.
- * Daikin: We now check if humidity control is active using a new telegram. If not active the humidity setpoint is no longer shown. The new data point Humidity Control Mode is also used for all other controller makes, where applicable.
- * Daikin: The existing data point “Operating Mode State” now reflects what Daikin calls “Current Operating Mode”.
- * Daikin: If USDA temp changes from valid (range -5 to +20) to not valid (eg. > +20), the USDA sensor field in REFCON is now blanked.
- * Daikin: The Discharge Pressure and Suction Pressure is now error checked – if error the field is blanked.
- * Daikin: DTMS mode is indicated in the new data point “Efficiency mode”, being also used by other controller makes where practicable.
- * Carrier: Controller type detection updated. Picture of NaturaLINE added.
- * Carrier: REFCON now shows alarms for eAutoFresh.

* Denso: CIMC container with Denso controller DEFT1000 is now fully supported including condition data and controller alarms.

Bug fixes include:

- * REFCON can now send emails, even if the installation name, used as sender address, starts or ends with a period or it includes one or more illegal characters – which are simply being stripped.
- * Various sharing exceptions / Cannot map to network / Mapping of network drive disappears. Note that it is no longer possible to select a network folder for the periodic and event log files.
- * Custom walk route rejected though OK – problem solved.
- * Malfunctioning Daikin IIIc and III d - remedy described in manual.
- * "Export now..." button on GMS tab not always working correctly.
- * 9395 New Mk.IVb modem (version 0x0098) now recognized by REFCON.
- * False "No connection to log files folder" alarms should now be avoided.
- * RDC+ compatibility issue solved.
- * Backward compatibility issues regarding Email Notification mail server settings and RDC custom walk route solved.

Special notes:

- * There are still problems with Relay Board driver and Danbuss communication driver for COM1 on 64-bit Windows machines. Be sure to use a 32-bit version OS for Main PC if any of these features are to be used.

Release notes for REFCON 6 Release 6.6.1

29. May 2013

Important update notes:

All old Refcon Monitor applications on client machines have to be manually uninstalled.

If you do not have Microsoft .NET Framework 4.0 installed on your client machines already, you will need administrative rights when installing the updated Refcon Monitor client for the first time.

This is because part of the process is installing Microsoft .NET Framework 4.0 (if not there already). Installing Microsoft .NET Framework 4.0 unfortunately requires administrative rights.

If the REFCON user on the client machine does not have administrative rights at that time, (which is very likely!), the installation process will fail.

To remedy the situation you can then either:

- * Ask your system administrator to temporarily give you administrative rights (while you install the client), or
- * Ask your system administrator to install Microsoft .NET Framework 4.0 on your machine beforehand (you will then not need administrative rights for the update process).

New functionality / improvements

- * Supports the new RDC+ application (on the handheld device)
- * Possibility to have reefer data sent to planning system more often than every three hours.
- * Support for Windows 8.
- * Product rebranded from Johnson Controls to Emerson Climate Technologies.
- * Automatic, but maybe delayed, deletion of containers when using file import of planning data; delete candidates marked in container lists by (*), see online help.
- * Prepared for UTC synchronisation by external system or device.
- * REFCON does no longer change the expected setpoint under any circumstances.

Bug fixes include:

- * Autoprint/AutoExport feature no longer makes Monitor crash or generate corrupted files.
- * Problem with Wellington time zone (+12:00 hours) fixed.
- * Measured temperatures received through REFCON's Web Service (Refcon Data Service) are now properly added to the container's logfile, and the updated temperatures also make the container turn green in REFCON.
- * Refcon Monitor now runs properly on machines having .NET Framework 4.5 installed (including Windows 8).
- * Planning System Interface mismatch solved by making it configurable whether REEFER_MONITOR message is to be time stamped in UTC or LMT, selected in REFCON Setup/Planning System Interface/Advanced.

Special notes:

- * There are still problems with Relay Board driver and Danbuss communication driver for COM1 on 64-bit Windows machines. Be sure to use a 32-bit version OS for Main PC if any of these features are to be used.

Release notes for REFCON 6 Release 6.5.0

02. October 2012

Important update note:

Windows users running REFCON on client machines may need administrator rights the very first time they start Refcon Monitor after the main PC has been updated/installed. This is because Refcon Monitor on the client machine will then update/install itself, and part of that process is installing Microsoft .NET Framework 4.0 (provided not there already). Unfortunately, installing Microsoft .NET Framework 4.0 requires administrative rights.

If the REFCON user on the client machine does not have administrative rights (which is very likely!), the update process will fail.

To remedy this situation you can then either:

- * Ask your system administrator to temporarily give you administrative rights (while you update the client),
or
- * Ask your system administrator to install Microsoft .NET Framework 4.0 on your machine beforehand (you will then not need administrative rights for the update process).

New functionality / improvements:

- * Performance bar is now implemented. This new tool provides guidance to the operator by showing the performance of the monitoring of containers in custody. See online help for more.
- * New alarm: "Missing ID". See online help.
- * New alarm: "Wrong ID or missing planning data". See online help.
- * New predefined lists to choose from
- * Planning data import procedure greatly simplified
- * Printed alarm summary now shows details (now prints in expanded view)
- * Several new columns possible for container lists
- * Column selection for user defined lists improved
- * Refcon Data Service (web service) enhanced with new possibilities
- * New StarCool alarms supported (202, 206, 214, 657, 906, 977, 978, 988, 995 and 998)
- * Numerous smaller improvements.

Bug fixes include:

- * Autoprint/AutoExport feature no longer makes Monitor crash or generate corrupted files
- * Change Container ID power line command now working better
- * Alarms entered on RDC now get updated if alarm text is changed on RDC unit
- * Editing csv import filter now works in any case
- * Possible Refcon Manager crash when importing new license file fixed.
- * StarCool controllers now always identified correctly (not showing as ISO anymore)
- * StarCool SCC6 CO2 and O2 values are now shown correctly
- * Overall stability improved

Special notes:

- * There are still problems with Relay Board driver and Danbuss communication driver for COM1 on 64-bit Windows machines. Be sure to use a 32-bit version OS for Main PC if any of these features are to be used.

Release notes for REFCON 6 Release 6.4.1

31. January 2012

New functionality / improvements:

- * None

Bug fixes include:

- * Refcon Monitor may crash/vanish when acknowledging alarms
- * Refcon Manager requires .NET framework 4 in order to discover and use update files

Special notes:

- * There are still problems with Relay Board driver and Danbuss communication driver for COM1 on 64-bit Windows machines. Choose 32-bit version OS if any of these features are to be used.
- * On Windows 7 machines you will have to lower security settings on user accounts if you want Refcon Manager to start automatically when logging on (like it does on XP machines).

Release notes for REFCON 6 Release 6.4.0

23. January 2012

New functionality / improvements:

- * Two New columns available for container lists (Supply and return temp deviations from setpoint)
- * New OData web service, allowing developers to easily integrate third-party software with REFCON
- * Now possible to de-acknowledge a previously acknowledged alarm
- * "Note" column added to Alarm List
- * New "WARNING - possible loss-of-power" alarm introduced

Bug fixes include:

- * Occasional counter mismatch in side panel fixed.
- * Occasional wrong alarm count in container details window
- * Occasional program crash when trying to print in landscape
- * Occasional loss of connection to REFCON Monitor.
- * Occasional problem with Refcon Manager going stuck after installation

Special notes:

- * There are still problems with Relay Board driver and Danbuss communication driver for COM1 on 64-bit Windows machines. Choose 32-bit version OS if any of these features are to be used.
- * On Windows 7 machines you will have to lower security settings on user accounts if you want Refcon Manager to start automatically when logging on (like it does on XP machines).

Release notes for REFCON 6 Release 6.2.2

5. September 2011

New functionality / improvements:

- * Discovery and execution of web-updates now works even if the REFCON server must go through a password protected proxy server in order to access the Internet

Bug fixes include:

- * None

Release notes for REFCON 6 Release 6.2.1

5. September 2011

New functionality / improvements:

- * None.

Bug fixes include:

- * Resolved problem with REFCON Monitor clients which may freeze or not be able to connect at all

Release notes for REFCON 6 Release 6.2.0

8. July 2011

New functionality / improvements:

- * Planning Data import - improved error detection and user information
- * Planning Data import - allowed range for expected setpoints is now -99 to +99 degC
- * Change Container ID remote operation implemented
- * Easy set up and distribution of directory shares for import / export
- * Improved/redesigned user interface for configuration of email notification
- * Automatic printing and export implemented
- * Timed System Standby prevented on main PC - as Data Engine/PLS must run 24 hours
- * Remote operations option in the license file activated
- * Naming and listing the Monitors, and including these in System Devices
- * Change of filter in locked lists is now not possible
- * Improved recognition of StarCool SCC6 units
- * Note field added in System Devices list
- * Container Details Events tab implemented
- * PCT communication statistics list implemented
- * No. of connected units are now shown in System Devices
- * Statistics added to System Devices
- * Alarm times in alarm list displayed in both UTC and LMT
- * Now possible to define custom stack names in container plan
- * Selective configuration export/import including user's Monitor settings implemented
- * Completely verified for Windows 7, 32 and 64 bits
- * Online help / manual thoroughly updated

Bug fixes include:

- * Installation / update dialog boxes no longer potentially hidden behind other windows
- * Carrier protocol correction: Temp. setpoint +30 no longer shown as -34
- * Main PC LAN on <-> off makes Monitor not work - solved
- * Write protected License or Container Plan file now handled expediently
- * REFCON now works even if Main PC single LAN card has more than one IP address
- * New container lists did not always appear in side panel - solved
- * "Too many online containers" alarm by mistake - solved
- * Max. no. of monitor limitation not working - solved
- * Backup may turn out to be unusable - solved
- * Import custom RDC walk route does not always work - solved
- * Container List name starting with digit makes Monitor crash - now prohibited
- * Password entry, errors when cancelling - solved
- * Master Groups sometimes mixes up - solved

Release notes for REFCON 6 Release 6.0.0

02. September 2010

New functionality / improvements:

- * More robust and intuitive installation procedure.
- * Proprietary Danbuss com-port driver now only being installed if so required by license file.
- * Better self-supervision added: System now automatically restarts itself in case of unexpected halts/errors.
- * Totally worked-over REFCON Manager - more robust and intuitive
- * New REFCON Update functionality, capable of detecting updates over the Internet or from update files on local media, without having to uninstall first.
- * Completed possibility to print/export all lists appearing in REFCON, including container temperature logs
- * Alarm and block when number of communicating containers exceeds the purchased capacity of REFCON
- * Block when number of connected REFCON Monitors exceeds the purchased capacity of REFCON
- * A simple, default walk route can now be generated for terminals. The walk route can then afterwards be edited to better suit the needs of the personnel doing the inspection rounds.
- * Now two independent note fields exist in Container Details (and Container Lists if selected), named "Note" and "RDC Note". "Note" field is updated by planning data, if defined, but it can at any time be edited by user in the Container Details. "RDC Note" contains the possible note entered on the RDC handheld.
- * Extended support for StarCool SCC6 controller with CA-values. Requires SCC6 controllers to be updated with latest controller software from the manufacturer (MCI/StarCool/Lodam).
- * Two new standard locked lists added: The "Malfunction List" (along with comprehensive online help: The "Modem Troubleshooting Guide") and the "Setpoints Differ List".
- * RS2LAN-devices added to the System Devices list along with alarms for disconnected RS2LANs.

Bug fixes include:

- * Some mismatched controller alarm texts have been corrected.
- * User-entered alarms are now preserved during system restart.