

Release notes firmware

These release notes are an overview of new features and bug fixes since n.27.1

The firmware addresses issues which do not have critical impact on temperature registration and security and we therefore consider this upgrade as **optional**.

3.45.0

2347010

November 2021

Features

83348 : Make accelerometer hardware optional based on hardware revision

n.44.3

March 2021

2347010

Features

- 81999 : Add support for Transcan Advance protocol
- 82459 : Add ORBCOMM Global SIM APN settings to on-screen menu
- 82517 : Update printed tickets to reflect new EN12830:2018 certification
- 82537 : GPS roll-over protection
- 82253 : Add support for compartment switching for Carrier Advanced protocol

Bug fixes

- 82999 : Incorrect interpretation of EBS wheel/tyre data
- 82123 : Temperature information of alarm situation after alarm
- 82487 : Finnish text for time zone is misaligned on printed ticket
- 81274 : Carrier CAN Pulsor engine hours stuck at 255
- 82518 : Two recorders connected to one MX2 losing sensor data
- 82708 : AG400 Digital contacts do not represent correct state
- 82295 : AG400 no connection to sensor after power dip
- 82375 : Too many fridge battery records when Thermoking fridge disconnects
- 82859 : Potential receive buffer issue with specific protocol combinations
- 82885 : Carrier TRS AT52 communication not re-initiated
- 82085 : Improve Carrier APX controller detection
- 82575 : Implement improved modem reset on connection loss for Euroscan MX2

IMPORTANT NOTE

- 82975 : Disable low-power functionality

n.42.0**April 2020**2347010

Features

- 81535 : Added support for IS300
- 80557 : Added AG400 support for wired sensors
- 81048 : Added support for "Source lost" exception
- 81544 : Added Temp 110 and Temp 500 sensor support for MX2
- 81594 : Added Mitsubishi TE30GAE support
- 81702 : Added Carrier TRS AT52 protocol
- 81253 : Added printer version to parameter ticket
- 80565 : Relative humidity sensor support for MX2
- 81448 : Carrier 3rd party advance: support for evaporator sensor mapping
- 80907 : Enable fridge status in Device Manager
- 80908 : Enable door lock connection in Device Manager
- 80933 : Support for reading humidity sensor data over TRS protocol

Bug fixes

- 70099 : Units with door lock data in specific situations stop transferring data
- 81746 : Incorrect fuel level when fridge turned off (110%)
- 81079 : Improved 12V/24V detection mechanism
- 81375 : OC/SC records should not be written when fridge is turned on/off
- 82122 : Carrier 3rd party advance: too many fridge records are printed on historical ticket
- 81581 : Carrier 3rd party advance: fridge communication issues resolved
- 81932 : Carrier 3rd party advance: lost fridge communication after low-power mode
- 81430 : Konvekta (Pharma) protocol does not allow 2-way communication
- 81257 : Networked units have conflicting node addresses
- 80902 : X3 modem connectivity resets not performed correctly (6hr instead 30min)
- 80810 : Force Intellisense store does not allow successive commands
- 81744 : Incomplete parameter ticket with printer module revision 3.0
- 47943 : Incorrect printer error messages resolved ("erroreated")
- 80962 : Finnish text for time zone is misaligned on printed ticket
- 81444 : Incorrect analog sensor registration in case of fault situations
- 82239 : Mitsubishi TDJS:run mode indicated incorrectly (start/stop instead of continuous)
- 81985 : English textual correction ("unkown")
- 80358 : French textual corrections

n.40.0**Aug 2019**N/A

Features

80553 : Add TouchPrint Functionality

Bug fixes

- 69296 : Flash written incorrectly causing wrong parameters
- 80137 : CAN0 Pulsor protocol printed on parameter printout incorrectly
- 80234 : Device no longer discoverable over Bluetooth when printing (Flaircom Module)
- 80297 : CAN protocols displayed incorrectly in terminal
- 80426 : Unable to select Old ES Protocol for specific OEM
- 80563 : Can't write configuration over Bluetooth (BlueGiga Module)
- 80645 : Input voltage filter causing deviation in read voltage

1.39.2

March 2019

MX2: The firmware addresses issues which do not have critical impact on temperature registration and security and we therefore consider this upgrade as **optional**.

Features

No new features are introduced in this version

Bug fixes

- 81024 : MX2: Resolved repeated modem restarts in 1 minute
- 80972 : MX2: Hardware revision 2.0 timer issues

3.39.1

February 2019

X3: The firmware addresses issues which have critical impact on temperature registration and security and we therefore consider this upgrade as **recommended**.

Features

No new features are introduced in this version

Bug fixes

- 80972 : X3 Hardware revision 1.70 timer issues
- 80979 : X3 Modem increased reset period

n.39.0

January 2019

The firmware addresses issues which do not have critical impact on temperature registration and security and we therefore consider this upgrade as **optional**.

Features

- 27672 : Delivery tickets now contain compartment status and setpoints
- 69538 : Low-power mode support for accelerometer
- 69860 : Add South African providers to APN server list
- 69893 : Carrier 3rd party: renamed protocols to Carrier Standard and Carrier Advance
- 69935 : Improve Finnish translation
- 80411
- 70002 : Show serial number in Bluetooth name
- 80386 : Carrier 3rd party: Read and store fridge model number
- 80449 : Implemented partner protocol version v1.08.0

Bug fixes

- 17326 : Disabling mapped sensors also disables directly connected temperature sensors
- 80128
- 80204
- 69242 : Carrier Vector SAT value on display too high
- 80295 : Unable to select Old ES protocol
- 80326 : Digital 8 incorrectly toggles alarm groups in compartment on/off mode
- 80559 : Carrier Pulsor detects wrong compartment modes for MultiTemp

n.38.0

June 2018

MX2: The firmware addresses issues which have critical impact on temperature registration and security and we therefore consider this upgrade as **recommended**.

MX1/X3: The firmware addresses issues which do not have critical impact on temperature registration and security and we therefore consider this upgrade as **optional**.

Features

- 69202 : Support digital contacts connected on a Trans-Safety doorlock controller
- 69488 : Allow mapping of digital contacts connected on a Trans-Safety doorlock controller to a digital input of the recorder
- 69340 : Add command to read fridge fuel level over Partner Protocol
- 69644 : Digital 8 Compartment on/off toggles alarm group linking for all active compartments

Bug fixes

- 16782 : Reset of Accept Fuel Flow Messages parameter on firmware update
- 68850 : Incorrect representation of temperature sensor numbers on display of X3
- 69009 : Delay timers are not reset when unlinking alarm group and compartment
- 69018 : Trans-Safety Arm/Disarm doorlock allows arming with door open
- 69036 : Printing a historic ticket prints the incorrect day
- 58761 : Memory Health Check after entering Fridge Status menu (3x Red on Main)
- 80194 : Improved connectivity for MX2

1.37.0

May 2018

The firmware addresses issues which have critical impact on temperature registration and security and we therefore consider this upgrade as recommended.

Features

69717 : Support new internal bluetooth module

Bug fixes

37930 : Prevent hanging modem issue

3.37.0

March 2018

The firmware addresses issues which do not have critical impact on temperature registration and security and we therefore consider this upgrade as optional.

Features

69717 : Support new internal bluetooth module

Bug fixes

No bugs are resolved in this version

n.35.0

May 2017

The MX2 firmware addresses issues which have impact on temperature registration and security and we therefore recommend to upgrade any previously released version.

The firmware for the other products addresses issues which do not have critical impact on temperature registration and security and we therefore consider this upgrade as optional.

Features

- 37833 : Mapping of defrost and pre-trip state to digital sensor
- 37878 : Support pharma version of Konvekta Controller
- 48075 : Print ticket containing all enabled sensors (all compartments)
- 48084 : GMT setting on printout
- 58470 : Added icon support for print menu on display

Bug fixes

- 17503 : Blank display Euroscan recorders when using journey marker
- 27715 : Konvekta controller lost connection
- 48033 : Incorrect functionality of the alarm output
- 47952 : Commands record has incorrect date/time.
- 48032 : TM protocol: fridge on/off is indicated incorrectly
- 27700 : Overlapping icons for Defrost and Back Door.
- 27715 : Konvekta 4F controller - Lost connection
- 58778 : Carrier Standard: set point is not read correctly
- 58837 : Modem reset line incorrectly configured for MX2
- 58698 : Pulsor: incorrect alarm codes
- 58519 : Old ES protocol implemented similar to platform 6

n.33.0

November 2016

This firmware addresses issues which do not have critical impact on temperature registration and security and we therefore consider this upgrade as optional.

Features

- 17371 : Enable / disable digital connected to Transafety Lock
- 17494 : implement DLC arm disarm for TransSafety including (un-)locking the door
- 16015 : Implement TranSafety CAN protocol
- 16234 : Partner protocol: Implement messages from protocol v1.07
- 16590 : C3P: Add detection of APX controller
- 16053 : Tractor-Trailer functionality using a digital

Bug fixes

- 17394 : MX2: Fuel flow handling adjusted on startup.
- 17452 : Fuel meter value incorrect (zenith)
- 17228 : Replacing language files
- 17137 : Mapping of Trans-safety door-contact
- 17153 : Double temperature record
- 17134 : Elim (Limo): General controller alarm flag is not set on loop/sensor, tamper and pen sensor alarms
- 16409 : Incorrect text in language table
- 16669 : Fridge: Force actual store missing active Intellisense storage
- 17135 : Print parameter ticket with old printer unit
- 16246 : Fuel theft: No SMS on fuel theft alarm
- 16866 : Resolved temperature printing problem in special mode
- 16559 : Incorrect temperature record in alarm situation
- 17136 : Fridge Battery Voltage Record cannot be disabled (Record 0x38)

1.30.9

April 2016

This firmware addresses an issue which has a critical impact on the operation of the unit and we therefore recommend to upgrade any previously released version.

Features

No new features are introduced in this version

Bug fixes

16945 : MX2 keeps rebooting with memory health check

n.30.6

February 2016

This firmware addresses issues which have impact on temperature registration and security and we therefore recommend to upgrade any previously released version.

Features

16149 : Added APN preset Orbcomm

16012 : Add menu configuration name to parameter ticket

16298 : Added reefer status screen

Bug fixes

15827 : Printing stops after header text

16134 : Incorrect header alignment on numerical ticket

16157 : RTR protocol: bug in reading power mode

16247 : Incorrect rounding for fridge setpoint

16248 : Fridge auto detect only working for first protocol

16292 : Default APN Settings changed to T-Mobile Austria M2M

16332 : Carrier TM: Removed support for alarms 20 and 21

16335 : Carrier RTR: Compartment 3 mode not read

16358 : MX2: Digital mapping to remote control enabled/disabled

16359 : Graphical mm/hour changed from 5 to 6 conform EN12830

16424 : Record Handling: Infinite loop in function checkWritePointer

16427 : Power fail shouldn't store the active page during initialisation

16459 : Carrier RTR: Reading of return air sensors

16379 : Added ticket layout modification possibilities

16481 : X3: Beep on airco controller alarm is too short

15928 : Digital alarm confirmation on ticket are incorrect for digital 2 and 3

16294 : Partner Protocol : GetActualSensorData returns incorrect information in case of open or short circuit

16615 : Correct printer and menu texts for Carrier 3rd party protocols

16607 : Print compartment defrost message on numeric and event reports

16618 : Incorrect alignment in event report of fridge maintenance counters

16616 : Carrier RTR: Remove alarms 20, 21 and 22

16582 : Improved support for old model printer on platform 7 (no printer/paper out)

16415 : X3: Show CAN connected reefer on COM3 in reefer screen shown

n.30.0**August 2015**

This firmware addresses issues which have impact on temperature registration and security and we therefore recommend to upgrade any previously released version.

Features

- 15589 : Use the MX2 as modem
- 15661 : Store MX2's toggle switch state changes
- 15634 : Extend Force actual store with EBS, lock and FFI information
- 15771 : Possibility to use the ignition/light input on the back of the recorder as main digital
- 16164 : Added Serbian, Croatian and Turkish language
- 16142 : Accelerometer is disabled by default
- Support for Fuel Flow Interface for all recorders

Bug fixes

- 15600 : Incorrect Italian translation of printer ticket selection menu items
- 15780 : Improve Czech translation
- 15934 : Improve Polish translation
- 15914 : MX1 unable to change language for SMS (always Hungarian)
- 15903 : Changing the language does not store a parameter record
- 15603 : Battery voltage alarm is not logged correctly
- 15658 : Incorrect text for menu item 8.x.6 upper limit time
- 15680 : Printed ticket indicates short cut instead of short circuit
- 15696 : Low power wake up on alarms is not working correctly
- 15897
- 15918
- 15616 : Fridge activation in low battery situation
- 15896 : Low power on low voltage wake up makes use of the delay parameter
- 15887 : X3 iGPRS modem not disabled during low power mode
- 15709 : Digital 8 cannot be renamed
- 15779 : Enabling digital mapping over UCP was not correctly implemented for the MX1 and MX2
- 15770 : Wrong default value was set for fridge fuel voltage
- 15631 : Store fuel flow record when the valid flag is set
- 15900 : Numeric and event print report settings were not correctly applied
- 15701 : Initiate datatransfer on digital 8 is on has the wrong ranges set for parameter
- 15664 : Initiate datatransfer on digital 2 is off has the wrong ranges set for parameter
- 15677 : Alarmstatus is not properly read for Thermoking Fridge, the alarms are no longer requested after identification of the fridge.
- 15675 : Remote DC500/X1 protocol not working with X3 and DC600
- 15687
- 16068 : MX1 and MX2 don't support EPP command GetFridgeAlarm16State (0x25)
- 16067 : EBS (alarm) data not entirely cleared upon connection loss
- 16073
- 16065 : Power dip causes temperature alarm to disappear and temperature gaps
- 15983
- 16088 : Digital record not printed correctly

16089

16093 : Incorrect header alignment on delivery ticket

15590 : Store FFI records on events not working

16245 : Pulsor protocol : power mode changing constantly

16026 : GPS start/stop detection remains in the same state

n.29.3

Features

No new features are addressed in this firmware version

Bug fixes

15717 : X2-6 : iGPRS is powered off after printing a ticket

n.29.2

Features

No new features are addressed in this firmware version

Bug fixes

15703 : SIM PIN code not masked in menu 11.4.1.1

n.29.1

Features

- Support for X3/DC600 hardware
- Added configurable menu items
- Added support for alarm values above 255 for Carrier, Thermoking and Mitsubishi (Including a new EPP command (0x25)
- Printable records can be configured without reboot
- Show fridge alarm on the recorder display
- Added initial Konvekta support
- Added firmware checksum to version information menu item
- MX2 default parameter for temperature sensor 2 and 3 are set to fridge sensors (Ambient Temperature Sensor / Supply Air Sensor 1 Compartment 1)
- Added Orbcomm Vodafone and T-Mobile Austria settings

Bug fixes

- Hanging recorder menu when alarm is not confirmed within 10 minutes
- Fix in alarm repetitions
- Logging of too many [FridgeCompartmentModeChangedV2] records
- Incorrect default value for "Print D1 in compartment 1" Default is "Yes".

- Record is not stored in case of mapped SC/OC sensor
- Digital alarm is turned off when performing a firmware upgrade
- Display is not disabled in low-power mode
- After a reboot of the recorder wrong temperature values are stored
- Alarm limit range is not checked when changing on the recorder
- Language can be incorrectly changed to Dutch by accepting the current language
- Removed pulsor protocol as option for COM2 on MX2
- Data transmission sometimes does not process all data (missing pages)
- Fridge runmode (start/stop and continuous) is swapped when Vector protocol is used
- Sensor measure interval can't be disabled
- Incorrect menu name (8.1.1 name instead of function)
- Date change in numeric ticket not always present
- Fridge alarms of Mitsubishi TFV and TU above 99 not working correctly
- Firmware update on recorder behind another recorder not always working