



*Restaurant Enterprise Solution
(RES) Version 4.8
Maintenance Release 2*

About This Document

This document provides installation instructions for the MICROS Restaurant Enterprise Solution (RES) Maintenance Release 2 for Version 4.8. The process ensures the proper transfer and configuration of the files, programs, and database required for the smooth operation of the applications.

Listed in this document are the revisions that have been implemented within this Maintenance Release.

Declarations

Warranties

Although the best efforts are made to ensure that the information in this document is complete and correct, MICROS Systems, Inc. makes no warranty of any kind with regard to this material, including but not limited to the implied warranties of marketability and fitness for a particular purpose.

Information in this document is subject to change without notice.

No part of this document may be reproduced or transmitted in any form or by any means, electronic or mechanical, including photocopying, recording, or information recording and retrieval systems, for any purpose other than for personal use, without the express written permission of MICROS Systems, Inc.

MICROS Systems, Inc. shall not be liable for errors contained herein or for incidental or consequential damages in connection with the furnishing, performance, or use of this document.

Trademarks

FrameMaker is a registered trademark of Adobe Corporation.

Microsoft, Microsoft Excel, Win32, Windows, Windows[®]95, Windows 2000 (Win2K), and Windows NT are either registered trademarks or trademarks of Microsoft Corporation in the U.S. and/or other countries.

Visio is a registered trademark of Visio Corporation.

All other trademarks are the property of their respective owners.

Maintenance Release Installation

Installing a Maintenance Release

This Maintenance Release can only be installed on a system that has the released version of RES 4.8 (build 4.8.3.2655) or RES v4.8 Maintenance Release 1 installed.

Before You Begin

1. Close ALL running MICROS applications, except Control Panel.
2. In the MICROS Control Panel, set the Restaurant to OFF.
3. Make sure all of the POS Clients are at System Closed.
4. Close the MICROS Control Panel

Installation

1. Copy the Maintenance Release, RES_48_MR2.exe to the temp folder on your RES Server.
2. Double-click on RES_48_MR2.exe. The patch will run for a short time. Once the patch is complete, the RES server will automatically reboot.

Installation Notes

Installing the Maintenance Release on a RES server will stop all of the running MICROS services before installing the updated files. The RES server will reboot upon completion. The Maintenance Release may include updated files for the POS Clients. Once the server has rebooted, all of the clients will install the updated files. Once finished, the clients will then reboot.

Before installing updated files on your system, the Maintenance Release preserves the original files by appending .PrePatchRestore to the existing filename. **It is absolutely critical that these renamed files be left in place**, exactly as they are. The removal or modification of these archived .PrePatchRestore files will render your RES server un-patchable by future RES releases.

The same Maintenance Release may be installed more than once. This should not be needed, except in the rare case where an installation has failed. Multiple Maintenance Releases may be installed as needed.

Installing the Maintenance Release produces a log file named MicrosNovaPatch.log, which will be located in the %windir% folder.

Installing a Maintenance Release will create a unique registry key:

HKEY_LOCAL_MACHINE\SOFTWARE\MICROS\NovaFix\RES_48_MR2

Within this key, a value name 'Installed Date' is created. The data for this value will be the date the Maintenance Release was installed.

Beginning with RES 4.8 Maintenance Release 2, all maintenance releases will add a row to the database in db_version_cfg to indicate that a Maintenance Release patch has been executed against the DB. The 'db_module_desc' will be 'RES 4.8 Maintenance Release 2'. The 'db_service_pak_desc' column will be the same as the RES row.

Maintenance Release 2

What's Revised?

A revision is defined as a correction made to any existing form, feature, or function currently resident in the RES Version 4.8 software. To qualify as a revision, the change must satisfy the following criteria:

- ◆ The basic form, feature, or functionality must be part of the previous version of the software.
- ◆ The change must replace the current item or remove it from the application.

Revisions Summarized

The table below summarizes the revisions included in this Maintenance Release.

Module	Revision	CR ID/ SCR	Page
Printing	IP Printing Loses Orders	29227/ 37649	6
POS Operations	Using Quantity Keys in Conjunction With Combo Functionality Results in Improper Consolidation	29223/ 37661	6

**Revisions
Detailed**

Printing

IP Printing Loses Orders

CR ID #: 29227

SCR #: 37649

Previously, Epson Printers TM 200 and TM 220B configured as IP would only print some of the orders. This was due to the PrintController.dll. This has been corrected.

POS Operations

***Using Quantity Keys in Conjunction With Combo
Functionality Results in Improper Consolidation***

CR ID #: 29223

SCR #: 37661

Previously, when an menu item was rung up with a quantity of more than one and is converted to a combo meal, the main menu items within the combo are separated. While the side items and drinks are properly consolidated. This has been corrected.

If the quantity is decreased, the main menu item would appear as a zero quantity. The customer would be charged for the original decreased menu items amount and the remote devices would not reflect the order. This has been corrected.

Maintenance Release 1

What's Revised?

A revision is defined as a correction made to any existing form, feature, or function currently resident in the RES Version 4.8 software. To qualify as a revision, the change must satisfy the following criteria:

- ◆ The basic form, feature, or functionality must be part of the previous version of the software.
- ◆ The change must replace the current item or remove it from the application.

Revisions Summarized

The table below summarizes the revisions included in this Maintenance Release.

Module	Revision	CR ID/ SCR	Page
CAL	CAL Version 21 Does Not Work with Force Update Packages	N/A/ 37557	9
	CAL Client List Blank on WS5	N/A/ 37556	9
Cash Management	Till Adjustment With Negative Amount Not Working	29192/ 37608	9
Database	MyLabor Does Not Work With RES v4.8	N/A/ 37570	10

Module	Revision	CR ID/ SCR	Page
POS Operations	POS Operations Can Error When Multiple Tenders Require References	29131/ 37569	10
	Combo Meals Rung With Quantity Key in Non-COM Ring Too Many	29148/ 37579	10
	Applying Discount Could Give "No sales to discount" Error With COM	29163/ 37589	11
	Touchscreens Not Updating Correctly After Changing Menu Levels With COM	29160/ 37587	11
	ViVopay DTc Auth Request Message Does Not Include RFID Capable	N/A/ 37583	11
	POS Operations Can Error with 'Magnetic Card Entry Required'	N/A/ 37603	12
	Pickup Open Check SLU Not Displaying Correct Message	29152/ 37601	12
	'Item Price Substitution' Discount Rule Type Not Working as Expected	29191/ 37607	12
Reports	Daily RVC Discounts Detail Report Could Have Incorrect Authorizing Employee	28493/ 37590	13

**Revisions
Detailed**

CAL

CAL Version 21 Does Not Work with Force Update Packages

CR ID #: N/A

SCR #: 37557

Version 21 (1.0.3.21) of CALsrv.exe would not install the Force Update packages to clients. The Force Update packages are used by nova fixes and maintenance releases to force clients to upgrade even though the RES version has not changed. This has been corrected

CAL Client List Blank on WS5

CR ID #: N/A

SCR #: 37556

Previously, when reconfiguring CAL from a WS5, no clients would display in the client list dialog. This has been corrected.

Cash Management

Till Adjustment With Negative Amount Not Working

CR ID #: 29192

SCR #: 37608

Previously, when making a negative adjustment to a till in Cash Management, the adjustment would save as 0.00. This has been corrected.

Database

MyLabor Does Not Work With RES v4.8

CR ID #: N/A

SCR #: 37570

In RES v4.8, the MICROS.sp_UpdateTmClkInfo stored procedure was changed to support employee break enhancements. The change caused MyLabor to not function properly due to the addition of new non-defaulting parameters. The new parameters have now been moved to the end of the parameter list and set to default to null. This has corrected the error.

POS Operations

POS Operations Can Error When Multiple Tenders Require References

CR ID #: 29131

SCR #: 37569

Previously, if using multiple tenders per seat with reference required on each tender it was possible for POS Operations to experience an unhandled exception. This has been corrected.

Combo Meals Rung With Quantity Key in Non-COM Ring Too Many

CR ID #: 29148

SCR #: 37579

Previously, in Non-COM mode, selecting 4 @ for a combo meal would result in 4 combos then 3 combos then 2 combos then 1 combo being rung in. This has been corrected.

Applying Discount Could Give “No sales to discount” Error With COM

CR ID #: 29163

SCR #: 37589

Previously, the ability to select discount items when using Conversational Ordering Mode (COM) when processing Quantity Threshold and Total Price Threshold based discounts would error with “No sales to discount”. This has been corrected

Touchscreens Not Updating Correctly After Changing Menu Levels With COM

CR ID #: 29160

SCR #: 37587

Previously, changing menu levels when using Conversational Ordering Mode (COM), would not update the touchscreen correctly. The touchscreen could display incorrect menu items. This has been corrected.

ViVopay DTc Auth Request Message Does Not Include RFID Capable

CR ID #: N/A

SCR #: 37583

Previously, if a ViVOPay DTc device was used, the authorization request message did not include that the POS workstation was RFID capable. This has been corrected.

POS Operations Can Error with 'Magnetic Card Entry Required'

CR ID #: N/a

SCR #: 37603

Previously, if an employee was required to use a magnetic card (*Employees / Employee Classes / Clock In/Sign In / Require mag card emp ID*) and the user workstation does not allow keyed ID entry (*Devices / User Workstations / Options / General / Allow keyed ID entry*) the 'One Touch Sign In' key would not work properly. POS Operations would error with the 'Magnetic Card Entry Required' message. This has been corrected

Pickup Open Check SLU Not Displaying Correct Message

CR ID #: 29152

SCR #: 37601

In RES versions prior to 4.8, if the 'Pickup Open Check SLU' or the 'Open Check SLU With No Table' keys were selected and there were no open checks, the message 'No Open Checks Found' would be displayed. In RES version 4.8 the Open Check SLU screen would be displayed but the touchscreen would be blank. The functionality has been restored to show the error message 'No Open Checks Found'

'Item Price Substitution' Discount Rule Type Not Working as Expected

CR ID #: 29191

SCR #: 37607

In previous RES versions, when applying a discount that had a rule type 'Item Price Substitution' and the option 'Trigger Items must be selected' enabled, POS Operations would display the dialog box 'Please Select the Items to Discount'. Rather than the item selected being discounted, the most expensive item listed in the dialog box would be discounted. This has been corrected.

Reports

Daily RVC Discounts Detail Report Could Have Incorrect Authorizing Employee

CR ID #: 28493

SCR #: 37590

Previously, if an employee picked up another employee's check and then applied a discount that required manager approval, the Daily RVC Discounts Detail report would show the transaction employee as the authorizing employee. This has been corrected.