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*MICROS e7*  
*Version 2.0 – Patch 2*  
*ReadMe First*

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## About This Document

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ReadMe First is a comprehensive guide to the revisions added since the Version 2.0 release of MICROS e7. Text is organized into the following sections:

- ◆ Patch Installation Instructions
- ◆ Patch 2
  - ◆ Enhancements
  - ◆ Revisions
- ◆ Patch 1
  - ◆ Enhancements
  - ◆ Revisions

## Patch Installation Instructions

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### Introduction

The MICROS e7 V2.0 Patch is available for download from the *Member Services | Product Support | MICROS Products* area on the MICROS Web Site.

The patch installation instructions are divided into the following sections:

- ◆ **Workstation Installation** - use if you are installing only to workstations.
- ◆ **PC Installation** - use if you are installing to a PC.

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*Note*



*To determine if a patch has been applied, launch the About box from the MICROS e7 application. The “Patch” text will appear after the version string for patched components.*

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### Workstation Installation

Use these instructions to extract and install the MICROS e7 patch files on a Workstation 4 (WS4). A PC or laptop is required to extract the patch files and copy the extracted files to the appropriate transfer media, such as a USB thumb drive.

1. Copy the **e7\_2\_0\_Patch\_2.exe** file from the MICROS Web Site to a temporary directory on a PC or laptop.
2. Double-click on **e7\_2\_0\_Patch\_2.exe** to extract the MICROS e7 Patch files.
3. Copy the directory from Step 2 to a USB thumb drive.

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*Note*



*Please note that the directory of extracted files includes a sub-folder for the new Sentinel license key. This folder and its contents should also be copied.*

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4. Attach the USB thumb drive to the USB slot on the back of the Workstation 4.
5. Exit the MICROS e7 application on **all** workstations.
6. Open Windows Explorer on the Workstation 4.
7. Locate the MICROS e7 patch software directory on the USB thumb drive. The USB thumb drive should appear in Explorer as **\\Hard Disk**.
8. Double-click on **e7PatchInstaller.exe** to install the patch. A message box displays when the patch installation is completed.
9. Start the MICROS e7 application on the Workstation 4.
10. Repeat steps 4-9 for the remaining workstations.

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*Note*



*The patch must be applied to **all** workstations before attempting to run MICROS e7. A workstation that has had the patch applied will not be able to run with a non-patched workstation. Likewise, a non-patched workstation will not be able to run with a patched workstation.*

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## PC Installation

Use these instructions to extract and install the MICROS e7 patch files to a PC.

1. Copy the **e7\_2\_0\_Patch\_2.exe** file from the MICROS Web Site to a temporary directory on the PC.

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*Note*



*The temporary directory must be on the same drive as the MICROS e7 installation.*

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2. Double-click on **e7\_2\_0\_Patch\_2.exe** to extract the MICROS e7 Patch files.

3. Exit the MICROS e7 application on the PC.
4. Double-click on **e7PatchInstaller.exe** to install the patch. A message box displays directing you to remove the license key so that the system can install new license key software.
5. Remove the license key from the USB port and press OK to clear the message box.
6. Once the license software is installed, another message box displays, followed by a prompt indicating that it is safe to reinsert the license key in the USB port.
7. Insert the license key and press OK to continue.
8. At the end of patch installation, a message box displays asking you to wait while CAL upgrades all of the client workstations. Press OK to clear this box.
9. When all the workstations have been upgraded, reboot the PC and start the MICROS e7 application.

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*Note*



*Be sure to wait for CAL to upgrade ALL of the workstations before rebooting the PC. Failure to do so may affect system operations.*

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## Patch 2 Enhancements

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### What's Enhanced

An enhancement is defined as a change made to improve or extend the functionality of the current MICROS e7 software. To qualify as an enhancement, the change must satisfy the following criteria:

- ◆ The basic feature or functionality already exists in the previous release of the software.
- ◆ The change adds to or extends the current process. This differs from a revision (i.e., a bug fix) which corrects a problem not caught in the previous release of the software.

### Enhancements Summarized

The table below summarizes the enhancements included in this version.

<b>Module</b>	<b>Feature</b>	<b>Page</b>
Reports	mymicros Support for Labor Information	6
Setup	Support for Sentinel License Key	7

Enhancements  
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Reports

*mymicros Support for Labor Information*

The e7 system has added labor information to the data exported to and available from the mymicros.net web portal. Job code totals are now posted as part of end-of-day procedures and may be accessed through the site's **Daily Operations Summary** (*Total Operating Costs | Labor Costs*).

The first page of the enhanced report is the **Job Code Summary**, which breaks down labor costs by category. The report subtotals the hours worked and salary paid in each job code along with its average pay rate. The labor totals for all job categories are summarized and calculated as a percentage of net sales.

Job Codes	Total Pay	Total Hours	Avg Hourly Pay	Regular Pay	Regular Hours	Overtime Pay	Overtime Hours
Bartender	64.67	9.24	7.00	64.67	9.24	0.00	0.00
Server	32.41	4.63	7.00	32.41	4.63	0.00	0.00
Cook	27.78	4.63	6.00	27.78	4.63	0.00	0.00
<b>Net Sales</b>	<b>Total Labor</b>	<b>Total Time</b>	<b>Avg Hourly Pay</b>	<b>Labor Cost (% Net Sales)</b>	<b>Sales Per Labor Hour</b>		
15,855.00	124.86	18.50	6.75	0.8%	857.03		

Select the Job Code to Drill Down to the Employee Details

From the **Job Code Summary**, users can drill down through the job codes to view **Job Code Employee Detail**. This report breaks down the data, listing the hours and pay rates for each employee in the selected labor category.

Job Codes	Total Pay	Total Hours	Avg Hourly Pay	Regular Pay	Regular Hours	Overtime Pay	Overtime Hours
<b>Bartender</b>	<b>64.67</b>	<b>9.24</b>	<b>7.00</b>	<b>64.67</b>	<b>9.24</b>	<b>0.00</b>	<b>0.00</b>
<b>Columbia</b>	<b>64.67</b>	<b>9.24</b>	<b>7.00</b>	<b>64.67</b>	<b>9.24</b>	<b>0.00</b>	<b>0.00</b>
Mike Tomczak	32.34	4.62	7.00	32.34	4.62	0.00	0.00
Terry Bradshaw	32.33	4.62	7.00	32.33	4.62	0.00	0.00

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## Setup

### *Support for Sentinel License Key*

Beginning with the version 2.0 patch 2 release, MICROS will support the Sentinel-brand of license keys for the e7 System. The new keys are similar in appearance, provide the same functionality, and are compatible with existing license keys. The two types of keys can be mixed in a single install without affecting the overall operation of the POS system.

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*Notes*      *To accommodate the Sentinel license key, minor changes were made to the e7 patch installer. To ensure success, be sure to review the Patch Installation Instructions, beginning on page 2*

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## Patch 2 Revisions

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### What's Revised

A revision is defined as a correction made to any existing form, feature, or function currently resident in the MICROS e7 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 version.

Module	Feature	CR ID	Page
mymicros.net	<i>Average Minutes</i> Field Exporting Data in Incorrect Format	N/a	9
	<i>Table Turns</i> Field Exporting Data in Incorrect Format	N/A	9



## Revisions Detailed

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mymicros.net

### *Average Minutes Field Exporting Data in Incorrect Format*

CR ID #: N/A

When running the **System Performance Summary** (*Daily Operations Summary | Operating Metrics | Service*) via the web portal, the **Average Minutes** column did not display the proper data. The problem occurred because the system was exporting data in the wrong format for the web portal. To correct the problem, this field is now being converted before it is sent. Please note that rounding does occur, creating a marginal difference between in-store and portal values.

### *Table Turns Field Exporting Data in Incorrect Format*

CR ID #: N/A

When running the **System Performance Summary** (*Daily Operations Summary | Operating Metrics | Service*) via the web portal, the **Table Turns** column did not display the proper data. The problem occurred because the system was exporting data in the wrong format for the web portal. To correct the problem, this field is now being converted before it is sent. Please note that rounding does occur, creating a marginal difference between in-store and portal values.

## Patch 1 Enhancements

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### What's Enhanced

An enhancement is defined as a change made to improve or extend the functionality of the current MICROS e7 software. To qualify as an enhancement, the change must satisfy the following criteria:

- ◆ The basic feature or functionality already exists in the previous release of the software.
- ◆ The change adds to or extends the current process. This differs from a revision (i.e., a bug fix) which corrects a problem not caught in the previous release of the software.

### Enhancements Summarized

The table below summarizes the enhancements included in this version.

Module	Feature	Page
Operations	Additional Credit Card Support—Universal Credit Card Driver (UCCD)	11
	PMS Support of Fidelio Enhanced Interface Formats	13
	PMS Support of Order Type and Workstation Mapping	13
	Guest Check Print Limit	15
	Upgrading Translated Text Files	16

**Enhancements  
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**Operations**

***Additional Credit Card Support—Universal Credit Card Driver (UCCD)***

Additional credit card support has been added to perform credit card authorization and settlement functions without the requirement of a PC server using the Universal Credit Card Driver (UCCD).

There is one MICROS e7 UCCD driver that supports both credit card authorization and settlement. This UCCD driver can be run from either the PC or a workstation. The batching node and the node that hosts UCCD should be the same.

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***Notes***      *Any new MICROS e7 install should use the e7 UCCD even if hosting on the PC, rather than the RES drivers that have been used previously. It is not necessary to revisit an existing site that is running error-free to change the credit card driver in use.*

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The MICROS e7 UCCD supports a high-speed internet interface as well as dial-up with a serial modem (the same modem recommended for the PC). The system can be configured to fallback to dial-up for high-speed internet installs where a modem is also made available.

USB modems are not supported in the UCCD configuration.

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***Notes***      *MICROS e7 Version 2.0 Patch 1 or later is required to support the UCCD credit card driver.*

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When determining when to use UCCD without a PC, the following should be taken into consideration:

- ◆ **Workstation Performance for the UCCD Host**—An ideal configuration consists of 1-3 workstations, performing about 50-60 credit cards transactions a day (or less). The workstation that hosts the credit card driver may experience a slow down as it processes credit card requests, so you should keep that in mind if you have an environment that processes a lot of fast transactions.
- ◆ **Memory Use on the Workstation**—The RAM memory limit (32MB per program) has been reached on the CE platform in the MICROS e7 development lab with a large database (1000 menu items) and decent transaction volume (100 credit cards, 300 checks) for a business day. This workstation was also used for menu item changes in Configurator, which can consume a good amount of memory.

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***Notes** You may need a larger compact flash card (i.e. 128 MB or more) on the node that hosts UCCD.*

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Use the following steps to define UCCD:

1. Add a record on the *Configurator | CA/EDC* form.
2. Click on the **System** tab.
3. Select **UCCD** as the Driver Code.
4. Select a **PC** or **workstation** as the Node to host UCCD.
5. From the *Merchant - Authorization* tab, enter the necessary configurations.
6. From the *Merchant - Settlement* tab, enter the necessary configurations.

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***Notes** Only 1 UCCD is required for both authorization and settlement.*

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7. From the *Configurator | Restaurant | Credit Cards* form, choose either a PC or workstation from the **Batch credit cards on** field to specify the node to batch credit cards.

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**Notes**     *This node should be the same as the node hosting UCCD.*

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8. Enter the Number of Days to Keep Credit card batches. The recommended number is 90 on a PC and 60 on a workstation.

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**Notes**     *The Number of Days to Keep Credit card batches field has been moved from the PC form to the Restaurant | Credit Cards form. The maximum value for this field has changed from 750 days to 180 days on the PC and 90 days on the workstation. The default value is 90 days.*

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9. Click Save.

### ***PMS Support of Fidelio Enhanced Interface Formats***

The MICROS e7 Property Management System (PMS) interface now supports the Fidelio Enhanced Interface formats. Select 4 as the **Interface Style** on the *Interface Information* tab for the Enhanced Fidelio PMS interface. Make sure the **Number of ID digits** is set to 9 when using an **Interface Style** of 4.

### ***PMS Support of Order Type and Workstation Mapping***

The MICROS e7 Property Management System (PMS) interface now supports order type and workstation mapping. Use the *Configurator | Interface | Options* tab to configure the Order Type and Workstation Mapping fields as described below:

### Order Type Mapping

Enter the order type string to use to determine the Store/Revenue Center field in the room charge posting message. The format of the string should be X=Y, where X is the MICROS e7 order type (1-8) and Y is the mapped number used in the Store/Revenue Center field of the room charge posting message. Use a comma or semi-colon to separate multiple mappings as shown in the following example:

7=34;8=52

If a room charge posting request is sent to the PMS interface with an order type of 7, then 34 is sent to the Store/Revenue Center field. If an order type of 1, 2, 3, 4, 5, or 6 issues a room charge posting, then a value for the Store/Revenue Center field is sent from either the Workstation Mapping or the Store Number Source.

### Workstation Mapping

Enter the workstation string to use to determine the Store/Revenue Center field in the room charge posting message. The format of the string should be X=Y, where X is the MICROS e7 workstation number (1-6) and Y is the mapped number used in the Store/Revenue Center field of the room charge posting message. Use a comma or semi-colon to separate multiple mappings as shown in the following example:

1=10;2=20

If a room charge posting request is sent to the PMS interface from workstation 1, then 10 is sent to the Store/Revenue Center field. If workstation 3, 4, 5, or 6 issues a room charge posting, then a value for the Store/Revenue Center field is sent from the Store Number Source.

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**Notes**     *The Order Type mapping takes precedence over the workstation mapping field. If the order type mapping is in effect for a specified order type, then the workstation mapping is ignored for that transaction. If the Order Type mapping does not match the specific order type, the workstation mapping is used to determine the value of the Store/Revenue Center field. If there is no value for the Order Type or Workstation Mapping fields, the Store Number Source is used for the Store/Revenue Center field.*

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### ***Guest Check Print Limit***

An enhancement has been added to support the number of times a guest check may be printed by an employee working a specific job before requiring manager authorization.

The following options are now available on the *Configurator | Jobs | Guest Checks* form to support the Guest Check Print Limit feature:

- ◆ **Print additional checks**—Select this option to allow employees working this job to print guest checks beyond the limit defined in *Configurator | Jobs | Guest Checks | Checks printed before authorization*. Employees working a job with this option selected may also authorize other employees to print additional checks.
- ◆ **Checks printed before authorization**—Enter the number of times (from 0 to 99) that an employee working this job may print a guest check before requiring authorization. Enter zero if there is no limit on the number of guest checks that may be printed by an employee working this job.

When two checks are merged, the check printed count of the new check is the sum of the check printed counts from the two original checks.

When a check is split, each new check that is printed has a check printed count of one. The original check (if printed) increases its check printed count by one.

### *Upgrading Translated Text Files*

If you have translated text files into a local language, the translated files need to be upgraded for Patch 1 using the e7TextTranslator utility.

Here is a list of the files that have changed and the text IDs in each that require modification:

<b>XML Filename</b>	<b>Text IDs</b>
BatchUtilityText.xml	"MainFormText.RemoveQuarantine"
	"MainFormText.MoveToSettled"
	"BatchDetailText.RemoveQuarantine"
	"BatchDetailText.MoveToSettle"
	"BatchDetailText.MsgBoxTitle"
DatabaseText.xml	"IDS_ERROR_MARK_BATCH_QUARANTINED"
	"MARKED_AS_SETTLED_BY_USER"
DbColumnNamesText.xml	"BatchObjectNumber"
	"ObsoleteNumDaysCreditCardBatchesNonZero"
DbValuesText.xml	"EJobDefAuthBits_CAN_PRINT_MORE_GUEST_CHECKS"
OpsText.xml	"Authorization.PRINT_MORE_CHECKS"
POSConfigText.xml	"Jobs.PrintAdditionalChecks"
	"Jobs.PrintedChecksBeforeAuthorization"
POSReportsText.xml	"ERROR_PC_INACTIVE_CAEDC_SITE2"



## Patch 1 Revisions

### What's Revised

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### Revisions Summarized

The table below summarizes the revisions included in this version.

Module	Feature	CR ID	Page
Operations	Negative Amount Posted to Gross Food & Beverage	3533881	18
	Incorrect Message Displayed With Credit Card Batch and No PC	N/A	18
	Guest Check Numeric ID Key Displays the Incorrect Keypad	N/A	18
	Incorrect Tax on Merged Check with Item Discount	3482785	19
	No Bank Loan Prompt when Signing In With Magnetic Card	3479486	19
Configurator	Unable to Save Change Menu Setting	3534783	19
	PMS Inquiry Keys	N/A	19
Reports	Time Period and Time Period Detail Sales Reports	N/A	20
	Time Period Detail Sales Report	3283293	20

Module	Feature	CR ID	Page
Credit Cards	Visa Authorization/Settlement Drivers	N/A	20
Interfaces	Double Headers in the Mymicros.net Trans Files	N/A	20

**Revisions  
Detailed**

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**Operations**

***Negative Amount Posted to Gross Food & Beverage***

*CR ID #: 3533881*

Previously, when a check with a non-revenue service charge was reopened and the non-revenue service charge was voided off, the void was posting to Gross Food & Beverage as a negative amount. This has been corrected.

***Incorrect Message Displayed With Credit Card Batch and No PC***

*CR ID #: N/A*

Previously, in a non-PC environment with the *Restaurant | Credit Cards | Batch credit cards on* field cleared, End-of-Day would fail and the "Error! Updating the business date is not allowed now because the server PC is currently inactive." message would display. This error message was incorrect and has been changed to "Error! Updating the business date is not allowed now because the credit card batching node is currently inactive."

***Guest Check Numeric ID Key Displays the Incorrect Keypad***

*CR ID #: N/A*

Previously, when using the guest check numeric ID key, the alphanumeric keypad was displayed. Now, the numeric keypad is displayed when using the guest check numeric ID key.

### ***Incorrect Tax on Merged Check with Item Discount***

*CR ID #: N/A*

When a check with an item discount applied to a menu item with add on tax was merged with a check that had the same item and discount, the tax was no longer calculated correctly in the merged check. This has been corrected.

### ***No Bank Loan Prompt when Signing In With Magnetic Card***

*CR ID #: 3479486*

Previously, when a user attempted to sign in for a job that required a bank loan using a magnetic card, the user was signed in correctly but never prompted for a bank loan amount. This has been corrected.

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## **Configurator**

### ***Unable to Save Change Menu Setting***

*CR ID #: 3534783*

Previously, you were unable to save changes to the *Jobs | Transactions | Change menu* option from Record View. This has been corrected.

### ***PMS Inquiry Keys***

*CR ID #: N/A*

Previously, in Touchscreen Designer, PMS Inquiry keys could be added to a touchscreen by selecting Inquiry from the Function pull-down. Now, to setup PMS Inquiry keys, select PMS interface from the Function pull-down and select the desired PMS Inquiry key from the Value pull-down.

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## Reports

### *Time Period and Time Period Detail Sales Reports*

CR ID #: N/A

Previously, voids and manager voids were not displaying on the Time Period and Time Period Detail Sales reports. This has been corrected.

### *Time Period Detail Sales Report*

CR ID #: 3283293

Previously, tracking groups with discount, loan, or pickup amounts were not displaying on the Time Period Detail Sales report. This has been corrected.

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## Credit Cards

### *Visa Authorization/Settlement Drivers*

CR ID #: N/A

The MICROS e7 Visa Authorization (VsCA) and Visa Settlement (VsST) drivers have been updated to version 4.2.12.766 to be current with the latest RES release.

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## Interfaces

### *Double Headers in the Mymicros.net Trans Files*

CR ID #: N/A

Previously, the header may have been written to the mymicros.net rxTrans files twice when the business date was incremented. This has been corrected.