

Model: VM Option Type J	Date: 21-Apr-09	No.: RM354001
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Subject: Firmware Release Note: VM Option Type J		Prepared by: K.Moriizumi	
From: 2nd Tech. Support Sec. Service Support Dept.			
Classification:	<input type="checkbox"/> Troubleshooting <input type="checkbox"/> Mechanical <input type="checkbox"/> Paper path <input type="checkbox"/> Product Safety	<input type="checkbox"/> Part information <input type="checkbox"/> Electrical <input type="checkbox"/> Transmit/receive <input checked="" type="checkbox"/> Other ()	<input type="checkbox"/> Action required <input type="checkbox"/> Service manual revision <input type="checkbox"/> Retrofit information <input checked="" type="checkbox"/> Tier 2

This RTB has been issued to announce the firmware release information for the **VM Option Type J**.

Version	Program No.	Effective Date
5.03-01	D3775911_V503-01	February 2009 production
5.02	-	1st Mass production

Version	Modified Points or Symptom Corrected
5.03-01	Symptom corrected: 1. Bundle start-up is delayed if the start level setting for automatic bundle start-up (Extended Features Settings menu in WIM) has been set to a large number. For example, if this setting is set to a value of "999999999", it can take tens of hours to perform the start-up. 2. SDK/J Ver5 allows the "BundleRepository" service bundle for the SDK/J platform to be removed via the Uninstall Additional Program screen in WIM (even though it should not be possible to remove such an essential bundle). As a result, an SDK/J platform start-up error occurs.
5.02	1st Mass production

Reissued: 07-May-09

Model: VM Option Type J/K	Date: 21-Apr-09	No.: RM354001a
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Subject: Firmware Release Note: VM Option Type J/K		Prepared by: K.Moriizumi	
From: 1st Tech. Support Sec. Service Support Dept.			
Classification:	<input type="checkbox"/> Troubleshooting <input type="checkbox"/> Mechanical <input type="checkbox"/> Paper path <input type="checkbox"/> Product Safety	<input type="checkbox"/> Part information <input type="checkbox"/> Electrical <input type="checkbox"/> Transmit/receive <input checked="" type="checkbox"/> Other ()	<input type="checkbox"/> Action required <input type="checkbox"/> Service manual revision <input type="checkbox"/> Retrofit information <input checked="" type="checkbox"/> Tier 2

This RTB has been issued to announce the firmware release information for the **VM Option Type J/K**.

Version	Program No.	Effective Date
5.04-01	D3775911_V504-01	March 2009 production
5.03-01	D3775911_V503-01	February 2009 production
5.02	-	1st Mass production

Version	Modified Points or Symptom Corrected
5.04-01	<p>Symptom corrected:</p> <ol style="list-style-type: none"> Users might not be logged out if both of the following conditions were met: <ol style="list-style-type: none"> The user had been logged in via Usercode Authentication. The operation panel was displaying the interface for the SDK/J applications such as Enhanced Locked Print NX or Global Scan NX. After recovering from Energy Saver mode, the device is unable to switch between different SDK/J applications. The software keyboard appears and cannot be closed after accessing a SDK application. <p>This issue may occur as the result of the following procedure:</p> <ol style="list-style-type: none"> Open the software keyboard using a SDK application, such as GlobalScan NX. Press either the "OK" or the "Cancel" button on the software keyboard. Select a standard MFP application (e.g. Copy, Print, etc). Select the SDK application again. The software keyboard will automatically appear, and cannot be closed. <p>Note: If the SDK application is busy processing a difficult task (such as a fax job for GlobalScan NX), the chances of this issue occurring will increase significantly.</p>

Reissued: 07-May-09

Model: VM Option Type J/K	Date: 21-Apr-09	No.: RM354001a
Version	Modified Points or Symptom Corrected	
	<p>4. <i>There is a memory leak when an SDK application attempts to open a software keyboard but fails.</i> <i>This issue may occur as the result of the following procedure:</i></p> <ol style="list-style-type: none"> 1) <i>Touch the user name field to open the software keyboard and input a user name.</i> 2) <i>Attempt to open a second software keyboard in order to input a password.</i> 3) <i>The keyboard will fail to open, and 350 bytes of memory will be leaked.</i> <i>Once the issue develops, the software keyboard will not open again until the MFP is restarted.</i> <p>5. <i>An SC997 error will occur after logging out of the MFP, requiring a restart.</i> <i>Affected products</i> <i>Any 07A or 08S MFPs using GlobalScan NX SDK application version 1.1.1.0 or later.</i> <i>Conditions</i></p> <ol style="list-style-type: none"> 1) <i>07A models (R-C5, AL-C1, V-C2) and 08S models (DI-C1, AT-C2, AP-C2).</i> 2) <i>When using any of the following Authentication methods:</i> <ul style="list-style-type: none"> • <i>Admin Authentication</i> • <i>User Authentication</i> • <i>Basic code Authentication</i> 3) <i>GlobalScan NX is running on the MFP.</i> 4) <i>Users or Admins must repeatedly login and out of the device without cycling the power. The error will be thrown after a logout.</i> <p>6. <i>Blank Screen After Changing Language Settings.</i> <i>If a user or administrator quickly changes a MFP's language settings using the User Tools/Counter/Inquiry screen, a confirmation message will appear, and the MFP's display panel will be blank after finishing settings when the settings screen was accessed when GlobalScan NX was the active screen.</i> <i>Reproduction Procedure:</i></p> <ol style="list-style-type: none"> 1) <i>Open GlobalScan NX on the MFP.</i> 2) <i>Open the User Tools/Counter/Inquiry screen, press the Language button, then press the Exit button quickly.</i> 3) <i>"The language is switched." will appear on the display panel. This message only appears if the error has occurred.</i> 4) <i>The above message will automatically disappear, and the display panel will be blank.</i> <p><i>Other changes:</i> <i>The SDK application installation time-out has been changed from 90 seconds to 4 minutes.</i></p>	

Reissued: 07-May-09

Model: VM Option Type J/K	Date: 21-Apr-09	No.: RM354001a
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Version	Modified Points or Symptom Corrected
5.03-01	Symptom corrected: <ol style="list-style-type: none">1. Bundle start-up is delayed if the start level setting for automatic bundle start-up (Extended Features Settings menu in WIM) has been set to a large number. For example, if this setting is set to a value of "999999999", it can take tens of hours to perform the start-up.2. SDK/J Ver5 allows the "BundleRepository" service bundle for the SDK/J platform to be removed via the Uninstall Additional Program screen in WIM (even though it should not be possible to remove such an essential bundle). As a result, an SDK/J platform start-up error occurs.
5.02	1st Mass production

Reissued: 18-Nov-09

Model: VM Option Type J/K	Date: 21-Apr-09	No.: RM354001b
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RTB Reissue

The items in bold italics have been corrected.

Subject: Firmware Release Note: VM Option Type J/K		Prepared by: K.Moriizumi	
From: 2nd Overseas Tech Support Sec., 2nd PQM Dept.			
Classification:	<input type="checkbox"/> Troubleshooting	<input type="checkbox"/> Part information	<input type="checkbox"/> Action required
	<input type="checkbox"/> Mechanical	<input type="checkbox"/> Electrical	<input type="checkbox"/> Service manual revision
	<input type="checkbox"/> Paper path	<input type="checkbox"/> Transmit/receive	<input type="checkbox"/> Retrofit information
	<input type="checkbox"/> Product Safety	<input checked="" type="checkbox"/> Other ()	<input checked="" type="checkbox"/> Tier 2

This RTB has been issued to announce the firmware release information for the **VM Option Type J/K**.

Version	Program No.	Effective Date
5.07-01	D3775911_V507-01	September 2009 production
5.04-01	D3775911_V504-01	March 2009 production
5.03-01	D3775911_V503-01	February 2009 production
5.02	-	1st Mass production

Version	Modified Points or Symptom Corrected
5.07-01	<p>Symptom corrected:</p> <ol style="list-style-type: none"> <i>The displayed image may appear incomplete if the power button is pressed while using an SDK application that prohibits the machine from entering Energy Saver mode.</i> <i>If the character string for one line of a display label is set to a length of 100 characters or more, it will appear on the operation panel as being directly connected with the following line.</i> <i>Cannot exit the User Tools screen while displaying a JPEG image using an SDK/J application.</i> <i>The device Start Key may become disabled when accessing an SDK/Type J application (e.g., GlobalScan NX).</i> <i>This issue may occur when using the default Java and SDK/Type J settings, and the following procedure is performed:</i> <ol style="list-style-type: none"> <i>Turn on the device.</i> <i>Switch from a device application to an SDK/Type J application after the Java VM has started-up.</i> <i>For about 20 seconds after a device starts up, SDK applications such as CAP might not be able to recognize whether Administrator Authentication or User Authentication is enabled or whether an admin or user has already logged in.</i> <p>Other changes:</p> <ol style="list-style-type: none"> <i>When the operator switches from a non-SDK/J application to an SDK/J application, if one of the SDK/J applications has been set as the priority application, this application will be displayed first.</i> <i>The tabs on the software keyboard can now be preset.</i> <i>Card Authentication Package / Enhanced Locked Print NX ver.1.3 are now available.</i>
5.04-01	<p>Symptom corrected:</p> <ol style="list-style-type: none"> Users might not be logged out if both of the following conditions were met:

Reissued: 18-Nov-09

Model: VM Option Type J/K	Date: 21-Apr-09	No.: RM354001b
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Version	Modified Points or Symptom Corrected
	<p>1) The user had been logged in via Usercode Authentication.</p> <p>2) The operation panel was displaying the interface for the SDK/J applications such as Enhanced Locked Print NX or Global Scan NX.</p> <p>2. After recovering from Energy Saver mode the device is unable to switch between different SDK/J applications.</p> <p>3. The software keyboard appears and cannot be closed after accessing a SDK application.</p> <p>This issue may occur as the result of the following procedure:</p> <p>1) Open the software keyboard using a SDK application, such as GlobalScan NX.</p> <p>2) Press either the "OK" or the "Cancel" button on the software keyboard.</p> <p>3) Select a standard MFP application (ex. Copy, Print, etc).</p> <p>4) Select the SDK application again.</p> <p>5) The software keyboard will automatically appear, and cannot be closed.</p> <p>Note: If the SDK application is busy processing a difficult task (such as a fax job for GlobalScan NX), the chances of this issue occurring will increase significantly.</p> <p>4. There is a memory leak when an SDK application attempts to open a software keyboard but fails.</p> <p>This issue may occur as the result of the following procedure:</p> <p>1) Touch the user name field to open the software keyboard and input a user name.</p> <p>2) Attempt to open a second software keyboard in order to input a password.</p> <p>3) The keyboard will fail to open, and 350 bytes of memory will be leaked. Once the issue develops, the software keyboard will not open again until the MFP is restarted.</p> <p>5. An SC997 error will occur after logging out of the MFP, requiring a restart.</p> <p>Affected products</p> <p>Any 07A or 08S MFPs using GlobalScan NX SDK application version 1.1.1.0 or later.</p> <p>Conditions</p> <p>1) 07A models (R-C5, AL-C1, V-C2) and 08S models (DI-C1, AT-C2, AP-C2).</p> <p>2) When using any of the following Authentication methods:</p> <ul style="list-style-type: none"> • Admin Authentication • User Authentication • Basic code Authentication <p>3) GlobalScan NX is running on the MFP.</p> <p>4) Users or Admins must repeatedly login and out of the device without cycling the power. The error will be thrown after a logout.</p> <p>6. Blank Screen After Changing Language Settings.</p> <p>If a user or administrator quickly changes a MFP's language settings using the User Tools/Counter/Inquiry screen, a confirmation message will appear, and the MFP's display panel will be blank after finishing settings when the settings screen was accessed when GlobalScan NX was the active screen.</p> <p>Reproduction Procedure:</p> <p>1) Open GlobalScan NX on the MFP.</p> <p>2) Open the User Tools/Counter/Inquiry screen, press the Language button, then press the Exit button quickly.</p>

Reissued: 18-Nov-09

Model: VM Option Type J/K		Date: 21-Apr-09	No.: RM354001b
Version	Modified Points or Symptom Corrected		
	3) "The language is switched." will appear on the display panel. This message only appears if the error has occurred. 4) The above message will automatically disappear, and the display panel will be blank. Other changes: The SDK application installation time-out has been changed from 90 seconds to 4 minutes.		
5.03-01	Symptom corrected: 1. Bundle start-up is delayed if the start level setting for automatic bundle start-up (Extended Features Settings menu in WIM) has been set to a large number. For example, if this setting is set to a value of "999999999", it can take tens of hours to perform the start-up. 2. SDK/J Ver5 allows the "BundleRepository" service bundle for the SDK/J platform to be removed via the Uninstall Additional Program screen in WIM (even though it should not be possible to remove such an essential bundle). As a result, an SDK/J platform start-up error occurs.		
5.02	1st Mass production		

Reissued: 26-Jan-10

Model: VM Option Type K	Date: 21-Apr-09	No.: RM354A01
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RTB Reissue

The items in bold italics have been corrected.

Subject: Firmware Release Note: VM Option Type K		Prepared by: Y.Ino	
From: 2nd Overseas Tech Support Sec., 2nd PQM Dept.			
Classification:	<input type="checkbox"/> Troubleshooting	<input type="checkbox"/> Part information	<input type="checkbox"/> Action required
	<input type="checkbox"/> Mechanical	<input type="checkbox"/> Electrical	<input type="checkbox"/> Service manual revision
	<input type="checkbox"/> Paper path	<input type="checkbox"/> Transmit/receive	<input type="checkbox"/> Retrofit information
	<input type="checkbox"/> Product Safety	<input checked="" type="checkbox"/> Other ()	<input checked="" type="checkbox"/> Tier 2

This RTB has been issued to announce the firmware release information for the **VM Option Type K**.

Version	Program No.	Effective Date
<i>5.08-01</i>	<i>M3545800H_upd_01</i>	<i>January 2010 production</i>
5.07-01	D3775911_V507-01	September 2009 production
5.04-01	D3775911_V504-01	March 2009 production
5.03-01	D3775911_V503-01	February 2009 production
5.02	-	1st Mass production

Version	Modified Points or Symptom Corrected
<i>5.08-01</i>	<i>Other changes:</i> <i>Because App2Me Provider V1.5.0 has been added to only MFPs, this option has been separated from the one for MFPs.</i>
5.07-01	Symptom corrected: <ol style="list-style-type: none"> The displayed image may appear incomplete if the power button is pressed while using an SDK application that prohibits the machine from entering Energy Saver mode. If the character string for one line of a display label is set to a length of 100 characters or more, it will appear on the operation panel as being directly connected with the following line. Cannot exit the User Tools screen while displaying a JPEG image using an SDK/J application. The device Start Key may become disabled when accessing an SDK/Type J application (e.g., GlobalScan NX). This issue may occur when using the default Java and SDK/Type J settings, and the following procedure is performed: <ol style="list-style-type: none"> Turn on the device. Switch from a device application to an SDK/Type J application after the Java VM has started-up. <ol style="list-style-type: none"> For about 20 seconds after a device starts up, SDK applications such as CAP might not be able to recognize whether Administrator Authentication or User Authentication is enabled or whether an admin or user has already logged in. Other changes: <ol style="list-style-type: none"> When the operator switches from a non-SDK/J application to an SDK/J application, if one of the SDK/J applications has been set as the priority application, this application will be displayed first.

Reissued: 26-Jan-10

Model: VM Option Type K		Date: 21-Apr-09	No.: RM354A01
Version	Modified Points or Symptom Corrected		
	<ol style="list-style-type: none"> The tabs on the software keyboard can now be preset. Card Authentication Package / Enhanced Locked Print NX ver.1.3 are now available. 		
5.04-01	<p>Symptom corrected:</p> <ol style="list-style-type: none"> Users might not be logged out if both of the following conditions were met: <ol style="list-style-type: none"> The user had been logged in via Usercode Authentication. The operation panel was displaying the interface for the SDK/J applications such as Enhanced Locked Print NX or Global Scan NX. After recovering from Energy Saver mode the device is unable to switch between different SDK/J applications. The software keyboard appears and cannot be closed after accessing a SDK application. This issue may occur as the result of the following procedure: <ol style="list-style-type: none"> Open the software keyboard using a SDK application, such as GlobalScan NX. Press either the "OK" or the "Cancel" button on the software keyboard. Select a standard MFP application (ex. Copy, Print, etc). Select the SDK application again. The software keyboard will automatically appear, and cannot be closed. Note: If the SDK application is busy processing a difficult task (such as a fax job for GlobalScan NX), the chances of this issue occurring will increase significantly. There is a memory leak when an SDK application attempts to open a software keyboard but fails. This issue may occur as the result of the following procedure: <ol style="list-style-type: none"> Touch the user name field to open the software keyboard and input a user name. Attempt to open a second software keyboard in order to input a password. The keyboard will fail to open, and 350 bytes of memory will be leaked. Once the issue develops, the software keyboard will not open again until the MFP is restarted. An SC997 error will occur after logging out of the MFP, requiring a restart. Affected products Any 07A or 08S MFPs using GlobalScan NX SDK application version 1.1.1.0 or later. Conditions <ol style="list-style-type: none"> 07A models (R-C5, AL-C1, V-C2) and 08S models (DI-C1, AT-C2, AP-C2). When using any of the following Authentication methods: <ul style="list-style-type: none"> Admin Authentication User Authentication Basic code Authentication GlobalScan NX is running on the MFP. Users or Admins must repeatedly login and out of the device without cycling the power. The error will be thrown after a logout. Blank Screen After Changing Language Settings. If a user or administrator quickly changes a MFP's language settings using the User Tools/Counter/Inquiry screen, a confirmation message will appear, and the MFP's display panel will be blank after finishing settings when the settings screen was accessed when GlobalScan NX was the active screen. Reproduction Procedure: <ol style="list-style-type: none"> Open GlobalScan NX on the MFP. 		

Reissued: 26-Jan-10

Model: VM Option Type K		Date: 21-Apr-09	No.: RM354A01
Version	Modified Points or Symptom Corrected		
	2) Open the User Tools/Counter/Inquiry screen, press the Language button, then press the Exit button quickly. 3) "The language is switched." will appear on the display panel. This message only appears if the error has occurred. 4) The above message will automatically disappear, and the display panel will be blank. Other changes: The SDK application installation time-out has been changed from 90 seconds to 4 minutes.		
5.03-01	Symptom corrected: 1. Bundle start-up is delayed if the start level setting for automatic bundle start-up (Extended Features Settings menu in WIM) has been set to a large number. For example, if this setting is set to a value of "999999999", it can take tens of hours to perform the start-up. 2. SDK/J Ver5 allows the "BundleRepository" service bundle for the SDK/J platform to be removed via the Uninstall Additional Program screen in WIM (even though it should not be possible to remove such an essential bundle). As a result, an SDK/J platform start-up error occurs.		
5.02	1st Mass production		

Reissued: 23-Jun-10

Model: VM Option Type K	Date: 21-Apr-09	No.: RM354A01a
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RTB Reissue

The items in bold italics have been corrected.

Subject: Firmware Release Note: VM Option Type K		Prepared by: Y.Ino	
From: 2nd Overseas Tech Support Sec., 2nd PQM Dept.			
Classification:	<input type="checkbox"/> Troubleshooting	<input type="checkbox"/> Part information	<input type="checkbox"/> Action required
	<input type="checkbox"/> Mechanical	<input type="checkbox"/> Electrical	<input type="checkbox"/> Service manual revision
	<input type="checkbox"/> Paper path	<input type="checkbox"/> Transmit/receive	<input type="checkbox"/> Retrofit information
	<input type="checkbox"/> Product Safety	<input checked="" type="checkbox"/> Other ()	<input checked="" type="checkbox"/> Tier 2

This RTB has been issued to announce the firmware release information for the **VM Option Type K**.

Version	Program No.	Effective Date
5.09.04	<i>M3545800J_upd</i>	<i>June 2010 production</i>
5.08-01	M3545800H_upd_01	January 2010 production
5.07-01	D3775911_V507-01	September 2009 production
5.04-01	D3775911_V504-01	March 2009 production
5.03-01	D3775911_V503-01	February 2009 production
5.02	-	1st Mass production

Version	Modified Points or Symptom Corrected
5.09.04	<i>Symptom corrected:</i> <ol style="list-style-type: none"> <i>If the machine is turned off just after entering Energy Saver mode, it will not be able to enter Energy Saver mode from that point on (the SDK Java platform cannot be started).</i> <i>Wording errors in the display messages used in the SDK application initial settings screen.</i> <i>Installation fails if the FAT block of the SD card is less than 1024 bytes (1KB).</i>
5.08-01	Other changes: Because App2Me Provider V1.5.0 has been added to only MFPs, this option has been separated from the one for MFPs.
5.07-01	Symptom corrected: <ol style="list-style-type: none"> The displayed image may appear incomplete if the power button is pressed while using an SDK application that prohibits the machine from entering Energy Saver mode. If the character string for one line of a display label is set to a length of 100 characters or more, it will appear on the operation panel as being directly connected with the following line. Cannot exit the User Tools screen while displaying a JPEG image using an SDK/J application. The device Start Key may become disabled when accessing an SDK/Type J application (e.g., GlobalScan NX). This issue may occur when using the default Java and SDK/Type J settings, and the following procedure is performed: <ol style="list-style-type: none"> Turn on the device. Switch from a device application to an SDK/Type J application after the Java

Reissued: 23-Jun-10

Model: VM Option Type K		Date: 21-Apr-09	No.: RM354A01a
Version	Modified Points or Symptom Corrected		
	<p>VM has started-up.</p> <p>5. For about 20 seconds after a device starts up, SDK applications such as CAP might not be able to recognize whether Administrator Authentication or User Authentication is enabled or whether an admin or user has already logged in.</p> <p>Other changes:</p> <ol style="list-style-type: none"> 1. When the operator switches from a non-SDK/J application to an SDK/J application, if one of the SDK/J applications has been set as the priority application, this application will be displayed first. 2. The tabs on the software keyboard can now be preset. 3. Card Authentication Package / Enhanced Locked Print NX ver.1.3 are now available. 		
5.04-01	<p>Symptom corrected:</p> <ol style="list-style-type: none"> 1. Users might not be logged out if both of the following conditions were met: <ol style="list-style-type: none"> 1) The user had been logged in via Usercode Authentication. 2) The operation panel was displaying the interface for the SDK/J applications such as Enhanced Locked Print NX or Global Scan NX. 2. After recovering from Energy Saver mode the device is unable to switch between different SDK/J applications. 3. The software keyboard appears and cannot be closed after accessing a SDK application. <p>This issue may occur as the result of the following procedure:</p> <ol style="list-style-type: none"> 1) Open the software keyboard using a SDK application, such as GlobalScan NX. 2) Press either the "OK" or the "Cancel" button on the software keyboard. 3) Select a standard MFP application (ex. Copy, Print, etc). 4) Select the SDK application again. 5) The software keyboard will automatically appear, and cannot be closed. <p>Note: If the SDK application is busy processing a difficult task (such as a fax job for GlobalScan NX), the chances of this issue occurring will increase significantly.</p> <ol style="list-style-type: none"> 4. There is a memory leak when an SDK application attempts to open a software keyboard but fails. <p>This issue may occur as the result of the following procedure:</p> <ol style="list-style-type: none"> 1) Touch the user name field to open the software keyboard and input a user name. 2) Attempt to open a second software keyboard in order to input a password. 3) The keyboard will fail to open, and 350 bytes of memory will be leaked. <p>Once the issue develops, the software keyboard will not open again until the MFP is restarted.</p> <ol style="list-style-type: none"> 5. An SC997 error will occur after logging out of the MFP, requiring a restart. <p>Affected products Any 07A or 08S MFPs using GlobalScan NX SDK application version 1.1.1.0 or later.</p> <p>Conditions</p> <ol style="list-style-type: none"> 1) 07A models (R-C5, AL-C1, V-C2) and 08S models (DI-C1, AT-C2, AP-C2). 2) When using any of the following Authentication methods: <ul style="list-style-type: none"> - Admin Authentication - User Authentication - Basic code Authentication 3) GlobalScan NX is running on the MFP. 		

Reissued: 23-Jun-10

Model: VM Option Type K		Date: 21-Apr-09	No.: RM354A01a
Version	Modified Points or Symptom Corrected		
	<p>4) Users or Admins must repeatedly login and out of the device without cycling the power. The error will be thrown after a logout.</p> <p>6. Blank Screen After Changing Language Settings. If a user or administrator quickly changes a MFP's language settings using the User Tools/Counter/Inquiry screen, a confirmation message will appear, and the MFP's display panel will be blank after finishing settings when the settings screen was accessed when GlobalScan NX was the active screen. Reproduction Procedure: 1) Open GlobalScan NX on the MFP. 2) Open the User Tools/Counter/Inquiry screen, press the Language button, then press the Exit button quickly. 3) "The language is switched." will appear on the display panel. This message only appears if the error has occurred. 4) The above message will automatically disappear, and the display panel will be blank.</p> <p>Other changes: The SDK application installation time-out has been changed from 90 seconds to 4 minutes.</p>		
5.03-01	<p>Symptom corrected:</p> <ol style="list-style-type: none"> 1. Bundle start-up is delayed if the start level setting for automatic bundle start-up (Extended Features Settings menu in WIM) has been set to a large number. For example, if this setting is set to a value of "999999999", it can take tens of hours to perform the start-up. 2. SDK/J Ver5 allows the "BundleRepository" service bundle for the SDK/J platform to be removed via the Uninstall Additional Program screen in WIM (even though it should not be possible to remove such an essential bundle). As a result, an SDK/J platform start-up error occurs. 		
5.02	1st Mass production		

Reissued: 23-Jun-10

Model: VM Option Type J	Date: 26-Jan-10	No.: RD463001a
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RTB Reissue

The items in bold italics have been corrected.

Subject: Firmware Release Note: VM Option Type J		Prepared by: Y.Ino	
From: 2nd Overseas Tech Support Sec., 2nd PQM Dept.			
Classification:	<input type="checkbox"/> Troubleshooting	<input type="checkbox"/> Part information	<input type="checkbox"/> Action required
	<input type="checkbox"/> Mechanical	<input type="checkbox"/> Electrical	<input type="checkbox"/> Service manual revision
	<input type="checkbox"/> Paper path	<input type="checkbox"/> Transmit/receive	<input type="checkbox"/> Retrofit information
	<input type="checkbox"/> Product Safety	<input checked="" type="checkbox"/> Other ()	<input checked="" type="checkbox"/> Tier 2

This RTB has been issued to announce the firmware release information for the **VM Option Type J**.

Version	Program No.	Effective Date
5.09.04	<i>D4635200G_upd</i>	<i>June 2010 production</i>
5.08-01	D4635200F_upd_01	January 2010 production
5.07-01	D3775911_V507-01	September 2009 production
5.04-01	D3775911_V504-01	March 2009 production
5.03-01	D3775911_V503-01	February 2009 production
5.02	-	1st Mass production

Version	Modified Points or Symptom Corrected
5.09.04	<i>Symptom corrected:</i> <ol style="list-style-type: none"> <i>If the machine is turned off just after entering Energy Saver mode, it will not be able to enter Energy Saver mode from that point on (the SDK Java platform cannot be started).</i> <i>Wording errors in the display messages used in the SDK application initial settings screen.</i> <i>Installation fails if the FAT block of the SD card is less than 1024 bytes (1KB).</i> <i>When the two processes listed below occur simultaneously, the MFP might enter Sleep mode.</i> <ul style="list-style-type: none"> <i>The MFP tries to enter Energy Saver mode.</i> <i>An SDK application (running on the same MFP) tries to prevent the MFP from entering Energy Saver mode.</i> <i>When User Code Authentication is used by a MFP and an SDK application installed on that MFP, users are logged out of the SDK application if the MFP's embedded scanner application's destination registration function ("Prg. Dest." button) is used.</i>
5.08-01	Other changes: Because App2Me Provider V1.5.0 has been added to only MFPs, this option has been separated from the one for LPs.
5.07-01	<i>Symptom corrected:</i> <ol style="list-style-type: none"> The displayed image may appear incomplete if the power button is pressed while using an SDK application that prohibits the machine from entering Energy Saver mode. If the character string for one line of a display label is set to a length of 100 characters or more, it will appear on the operation panel as being directly

Reissued: 23-Jun-10

Model: VM Option Type J	Date: 26-Jan-10	No.: RD463001a
Version	Modified Points or Symptom Corrected	
	<p>connected with the following line.</p> <ol style="list-style-type: none"> Cannot exit the User Tools screen while displaying a JPEG image using an SDK/J application. The device Start Key may become disabled when accessing an SDK/Type J application (e.g., GlobalScan NX). <p>This issue may occur when using the default Java and SDK/Type J settings, and the following procedure is performed:</p> <ol style="list-style-type: none"> Turn on the device. Switch from a device application to an SDK/Type J application after the Java VM has started-up. For about 20 seconds after a device starts up, SDK applications such as CAP might not be able to recognize whether Administrator Authentication or User Authentication is enabled or whether an admin or user has already logged in. <p>Other changes:</p> <ol style="list-style-type: none"> When the operator switches from a non-SDK/J application to an SDK/J application, if one of the SDK/J applications has been set as the priority application, this application will be displayed first. The tabs on the software keyboard can now be preset. Card Authentication Package / Enhanced Locked Print NX ver.1.3 are now available. 	
5.04-01	<p>Symptom corrected:</p> <ol style="list-style-type: none"> Users might not be logged out if both of the following conditions were met: <ol style="list-style-type: none"> The user had been logged in via Usercode Authentication. The operation panel was displaying the interface for the SDK/J applications such as Enhanced Locked Print NX or Global Scan NX. After recovering from Energy Saver mode the device is unable to switch between different SDK/J applications. The software keyboard appears and cannot be closed after accessing a SDK application. <p>This issue may occur as the result of the following procedure:</p> <ol style="list-style-type: none"> Open the software keyboard using a SDK application, such as GlobalScan NX. Press either the "OK" or the "Cancel" button on the software keyboard. Select a standard MFP application (ex. Copy, Print, etc). Select the SDK application again. The software keyboard will automatically appear, and cannot be closed. <p>Note: If the SDK application is busy processing a difficult task (such as a fax job for GlobalScan NX), the chances of this issue occurring will increase significantly.</p> There is a memory leak when an SDK application attempts to open a software keyboard but fails. <p>This issue may occur as the result of the following procedure:</p> <ol style="list-style-type: none"> Touch the user name field to open the software keyboard and input a user name. Attempt to open a second software keyboard in order to input a password. The keyboard will fail to open, and 350 bytes of memory will be leaked. Once the issue develops, the software keyboard will not open again until the 	

Reissued: 23-Jun-10

Model: VM Option Type J		Date: 26-Jan-10	No.: RD463001a
Version	Modified Points or Symptom Corrected		
	<p>MFP is restarted.</p> <p>5. An SC997 error will occur after logging out of the MFP, requiring a restart.</p> <p>Affected products Any 07A or 08S MFPs using GlobalScan NX SDK application version 1.1.1.0 or later.</p> <p>Conditions</p> <p>1) 07A models (R-C5, AL-C1, V-C2) and 08S models (DI-C1, AT-C2, AP-C2).</p> <p>2) When using any of the following Authentication methods:</p> <ul style="list-style-type: none"> - Admin Authentication - User Authentication - Basic code Authentication <p>3) GlobalScan NX is running on the MFP.</p> <p>4) Users or Admins must repeatedly login and out of the device without cycling the power. The error will be thrown after a logout.</p> <p>6. Blank Screen After Changing Language Settings.</p> <p>If a user or administrator quickly changes a MFP's language settings using the User Tools/Counter/Inquiry screen, a confirmation message will appear, and the MFP's display panel will be blank after finishing settings when the settings screen was accessed when GlobalScan NX was the active screen.</p> <p>Reproduction Procedure:</p> <p>1) Open GlobalScan NX on the MFP.</p> <p>2) Open the User Tools/Counter/Inquiry screen, press the Language button, then press the Exit button quickly.</p> <p>3) "The language is switched." will appear on the display panel. This message only appears if the error has occurred.</p> <p>4) The above message will automatically disappear, and the display panel will be blank.</p> <p>Other changes:</p> <p>The SDK application installation time-out has been changed from 90 seconds to 4 minutes.</p>		
5.03-01	<p>Symptom corrected:</p> <p>1. Bundle start-up is delayed if the start level setting for automatic bundle start-up (Extended Features Settings menu in WIM) has been set to a large number. For example, if this setting is set to a value of "999999999", it can take tens of hours to perform the start-up.</p> <p>2. SDK/J Ver5 allows the "BundleRepository" service bundle for the SDK/J platform to be removed via the Uninstall Additional Program screen in WIM (even though it should not be possible to remove such an essential bundle). As a result, an SDK/J platform start-up error occurs.</p>		
5.02	1st Mass production		

Reissued: 16-Aug-10

Model: VM Option Type J	Date: 26-Jan-10	No.: RD463001b
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RTB Reissue

The items in bold italics have been corrected.

Subject: Firmware Release Note: VM Option Type J		Prepared by: Y.Ino	
From: 2nd Overseas Tech Support Sec., 2nd PQM Dept.			
Classification:	<input type="checkbox"/> Troubleshooting <input type="checkbox"/> Mechanical <input type="checkbox"/> Paper path <input type="checkbox"/> Product Safety	<input type="checkbox"/> Part information <input type="checkbox"/> Electrical <input type="checkbox"/> Transmit/receive <input checked="" type="checkbox"/> Other ()	<input type="checkbox"/> Action required <input type="checkbox"/> Service manual revision <input type="checkbox"/> Retrofit information <input checked="" type="checkbox"/> Tier 2

This RTB has been issued to announce the firmware release information for the **VM Option Type J**.

Version	Program No.	Effective Date
5.10.04	<i>D4635200H_upd</i>	<i>July 2010 production</i>
5.09.04	D4635200G_upd	June 2010 production
5.08-01	D4635200F_upd_01	January 2010 production
5.07-01	D3775911_V507-01	September 2009 production
5.04-01	D3775911_V504-01	March 2009 production
5.03-01	D3775911_V503-01	February 2009 production
5.02	-	1st Mass production

Version	Modified Points or Symptom Corrected
5.10.04	<i>Symptom corrected:</i> <ol style="list-style-type: none"> <i>If the SD card slot specified for remote installation of a Type 2 (Java-based) SDK application does not exist on the target device, the application will be installed on a an SD card inserted in a different slot.</i> <i>The Java VM may enter a deadlock state if one thread tries to close a thread that is waiting for I/O data.</i> <i>The username used for Basic Authentication cannot be displayed correctly on the MFP's display panel if the username is 20 characters (bytes) long.</i> <i>If the auto-off timer of the device is set to 1 minute and any SDK application is set to automatically start up, SC997 can occur.</i> <i>The USB card reader may stop working if plugged in immediately after being unplugged.</i>
5.09.04	Symptom corrected: <ol style="list-style-type: none"> If the machine is turned off just after entering Energy Saver mode, it will not be able to enter Energy Saver mode from that point on (the SDK Java platform cannot be started). Wording errors in the display messages used in the SDK application initial settings screen. Installation fails if the FAT block of the SD card is less than 1024 bytes (1KB). When the two processes listed below occur simultaneously, the MFP might enter Sleep mode. <ul style="list-style-type: none"> The MFP tries to enter Energy Saver mode. An SDK application (running on the same MFP) tries to prevent the MFP

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Model: VM Option Type J		Date: 26-Jan-10	No.: RD463001b
Version	Modified Points or Symptom Corrected		
	<p>from entering Energy Saver mode.</p> <p>5. When User Code Authentication is used by a MFP and an SDK application installed on that MFP, users are logged out of the SDK application if the MFP's embedded scanner application's destination registration function ("Prg. Dest." button) is used.</p>		
5.08-01	<p>Other changes:</p> <p>Because App2Me Provider V1.5.0 has been added to only MFPs, this option has been separated from the one for LPs.</p>		
5.07-01	<p>Symptom corrected:</p> <ol style="list-style-type: none"> 1. The displayed image may appear incomplete if the power button is pressed while using an SDK application that prohibits the machine from entering Energy Saver mode. 2. If the character string for one line of a display label is set to a length of 100 characters or more, it will appear on the operation panel as being directly connected with the following line. 3. Cannot exit the User Tools screen while displaying a JPEG image using an SDK/J application. 4. The device Start Key may become disabled when accessing an SDK/Type J application (e.g., GlobalScan NX). <p>This issue may occur when using the default Java and SDK/Type J settings, and the following procedure is performed:</p> <ol style="list-style-type: none"> 1) Turn on the device. 2) Switch from a device application to an SDK/Type J application after the Java VM has started-up. <p>5. For about 20 seconds after a device starts up, SDK applications such as CAP might not be able to recognize whether Administrator Authentication or User Authentication is enabled or whether an admin or user has already logged in.</p> <p>Other changes:</p> <ol style="list-style-type: none"> 1. When the operator switches from a non-SDK/J application to an SDK/J application, if one of the SDK/J applications has been set as the priority application, this application will be displayed first. 2. The tabs on the software keyboard can now be preset. 3. Card Authentication Package / Enhanced Locked Print NX ver.1.3 are now available. 		
5.04-01	<p>Symptom corrected:</p> <ol style="list-style-type: none"> 1. Users might not be logged out if both of the following conditions were met: <ol style="list-style-type: none"> 1) The user had been logged in via Usercode Authentication. 2) The operation panel was displaying the interface for the SDK/J applications such as Enhanced Locked Print NX or Global Scan NX. 2. After recovering from Energy Saver mode the device is unable to switch between different SDK/J applications. 3. The software keyboard appears and cannot be closed after accessing a SDK application. <p>This issue may occur as the result of the following procedure:</p> <ol style="list-style-type: none"> 1) Open the software keyboard using a SDK application, such as GlobalScan NX. 2) Press either the "OK" or the "Cancel" button on the software keyboard. 3) Select a standard MFP application (ex. Copy, Print, etc). 		

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Model: VM Option Type J	Date: 26-Jan-10	No.: RD463001b
Version	Modified Points or Symptom Corrected	
	<p>4) Select the SDK application again.</p> <p>5) The software keyboard will automatically appear, and cannot be closed. Note: If the SDK application is busy processing a difficult task (such as a fax job for GlobalScan NX), the chances of this issue occurring will increase significantly.</p> <p>4. There is a memory leak when an SDK application attempts to open a software keyboard but fails. This issue may occur as the result of the following procedure:</p> <ol style="list-style-type: none"> 1) Touch the user name field to open the software keyboard and input a user name. 2) Attempt to open a second software keyboard in order to input a password. 3) The keyboard will fail to open, and 350 bytes of memory will be leaked. Once the issue develops, the software keyboard will not open again until the MFP is restarted. <p>5. An SC997 error will occur after logging out of the MFP, requiring a restart. Affected products Any 07A or 08S MFPs using GlobalScan NX SDK application version 1.1.1.0 or later. Conditions</p> <ol style="list-style-type: none"> 1) 07A models (R-C5, AL-C1, V-C2) and 08S models (DI-C1, AT-C2, AP-C2). 2) When using any of the following Authentication methods: <ul style="list-style-type: none"> - Admin Authentication - User Authentication - Basic code Authentication 3) GlobalScan NX is running on the MFP. 4) Users or Admins must repeatedly login and out of the device without cycling the power. The error will be thrown after a logout. <p>6. Blank Screen After Changing Language Settings. If a user or administrator quickly changes a MFP's language settings using the User Tools/Counter/Inquiry screen, a confirmation message will appear, and the MFP's display panel will be blank after finishing settings when the settings screen was accessed when GlobalScan NX was the active screen. Reproduction Procedure:</p> <ol style="list-style-type: none"> 1) Open GlobalScan NX on the MFP. 2) Open the User Tools/Counter/Inquiry screen, press the Language button, then press the Exit button quickly. 3) "The language is switched." will appear on the display panel. This message only appears if the error has occurred. 4) The above message will automatically disappear, and the display panel will be blank. <p>Other changes: The SDK application installation time-out has been changed from 90 seconds to 4 minutes.</p>	

Reissued: 16-Aug-10

Model: VM Option Type J		Date: 26-Jan-10	No.: RD463001b
Version	Modified Points or Symptom Corrected		
5.03-01	Symptom corrected: <ol style="list-style-type: none">1. Bundle start-up is delayed if the start level setting for automatic bundle start-up (Extended Features Settings menu in WIM) has been set to a large number. For example, if this setting is set to a value of "999999999", it can take tens of hours to perform the start-up.2. SDK/J Ver5 allows the "BundleRepository" service bundle for the SDK/J platform to be removed via the Uninstall Additional Program screen in WIM (even though it should not be possible to remove such an essential bundle). As a result, an SDK/J platform start-up error occurs.		
5.02	1st Mass production		

Reissued: 16-Aug-10

Model: VM Option Type K	Date: 21-Apr-09	No.: RM354A01b
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RTB Reissue

The items in bold italics have been corrected.

Subject: Firmware Release Note: VM Option Type K		Prepared by: Y.Ino	
From: 2nd Overseas Tech Support Sec., 2nd PQM Dept.			
Classification:	<input type="checkbox"/> Troubleshooting <input type="checkbox"/> Mechanical <input type="checkbox"/> Paper path <input type="checkbox"/> Product Safety	<input type="checkbox"/> Part information <input type="checkbox"/> Electrical <input type="checkbox"/> Transmit/receive <input checked="" type="checkbox"/> Other ()	<input type="checkbox"/> Action required <input type="checkbox"/> Service manual revision <input type="checkbox"/> Retrofit information <input checked="" type="checkbox"/> Tier 2

This RTB has been issued to announce the firmware release information for the **VM Option Type K**.

Version	Program No.	Effective Date
5.10.04	<i>M3545800K_upd</i>	<i>July 2010 production</i>
5.09.04	M3545800J_upd	June 2010 production
5.08-01	M3545800H_upd_01	January 2010 production
5.07-01	D3775911_V507-01	September 2009 production
5.04-01	D3775911_V504-01	March 2009 production
5.03-01	D3775911_V503-01	February 2009 production
5.02	-	1st Mass production

Version	Modified Points or Symptom Corrected
5.10.04	<i>Symptom corrected:</i> <ol style="list-style-type: none"> <i>SD card slot specified for remote installation of a Type 2 (Java-based) SDK application does not exist on the target device, the application will be installed on a an SD card inserted in a different slot.</i> <i>The Java VM may enter a deadlock state if one thread tries to close a thread that is waiting for I/O data.</i> <i>The username used for Basic Authentication cannot be displayed correctly on the MFP's display panel if the username is 20 characters (bytes) long.</i> <i>If the auto-off timer of the device is set to 1 minute and any SDK application is set to automatically start up, SC997 can occur.</i> <i>The USB card reader may stop working if plugged in immediately after being unplugged.</i>
5.09.04	Symptom corrected: <ol style="list-style-type: none"> If the machine is turned off just after entering Energy Saver mode, it will not be able to enter Energy Saver mode from that point on (the SDK Java platform cannot be started). Wording errors in the display messages used in the SDK application initial settings screen. Installation fails if the FAT block of the SD card is less than 1024 bytes (1KB).
5.08-01	Other changes: Because App2Me Provider V1.5.0 has been added to only MFPs, this option has been separated from the one for MFPs.
5.07-01	Symptom corrected: <ol style="list-style-type: none"> The displayed image may appear incomplete if the power button is pressed while

Reissued: 16-Aug-10

Model: VM Option Type K		Date: 21-Apr-09	No.: RM354A01b
Version	Modified Points or Symptom Corrected		
	<p>using an SDK application that prohibits the machine from entering Energy Saver mode.</p> <ol style="list-style-type: none"> If the character string for one line of a display label is set to a length of 100 characters or more, it will appear on the operation panel as being directly connected with the following line. Cannot exit the User Tools screen while displaying a JPEG image using an SDK/J application. The device Start Key may become disabled when accessing an SDK/Type J application (e.g., GlobalScan NX). <p>This issue may occur when using the default Java and SDK/Type J settings, and the following procedure is performed:</p> <ol style="list-style-type: none"> Turn on the device. Switch from a device application to an SDK/Type J application after the Java VM has started-up. For about 20 seconds after a device starts up, SDK applications such as CAP might not be able to recognize whether Administrator Authentication or User Authentication is enabled or whether an admin or user has already logged in. <p>Other changes:</p> <ol style="list-style-type: none"> When the operator switches from a non-SDK/J application to an SDK/J application, if one of the SDK/J applications has been set as the priority application, this application will be displayed first. The tabs on the software keyboard can now be preset. Card Authentication Package / Enhanced Locked Print NX ver.1.3 are now available. 		
5.04-01	<p>Symptom corrected:</p> <ol style="list-style-type: none"> Users might not be logged out if both of the following conditions were met: <ol style="list-style-type: none"> The user had been logged in via Usercode Authentication. The operation panel was displaying the interface for the SDK/J applications such as Enhanced Locked Print NX or Global Scan NX. After recovering from Energy Saver mode the device is unable to switch between different SDK/J applications. The software keyboard appears and cannot be closed after accessing a SDK application. <p>This issue may occur as the result of the following procedure:</p> <ol style="list-style-type: none"> Open the software keyboard using a SDK application, such as GlobalScan NX. Press either the "OK" or the "Cancel" button on the software keyboard. Select a standard MFP application (ex. Copy, Print, etc). Select the SDK application again. The software keyboard will automatically appear, and cannot be closed. <p>Note: If the SDK application is busy processing a difficult task (such as a fax job for GlobalScan NX), the chances of this issue occurring will increase significantly.</p> <ol style="list-style-type: none"> There is a memory leak when an SDK application attempts to open a software keyboard but fails. <p>This issue may occur as the result of the following procedure:</p> <ol style="list-style-type: none"> Touch the user name field to open the software keyboard and input a user name. Attempt to open a second software keyboard in order to input a password. The keyboard will fail to open, and 350 bytes of memory will be leaked. 		

Reissued: 16-Aug-10

Model: VM Option Type K		Date: 21-Apr-09	No.: RM354A01b
Version	Modified Points or Symptom Corrected		
	<p>Once the issue develops, the software keyboard will not open again until the MFP is restarted.</p> <p>5. An SC997 error will occur after logging out of the MFP, requiring a restart.</p> <p>Affected products Any 07A or 08S MFPs using GlobalScan NX SDK application version 1.1.1.0 or later.</p> <p>Conditions</p> <ol style="list-style-type: none"> 07A models (R-C5, AL-C1, V-C2) and 08S models (DI-C1, AT-C2, AP-C2). When using any of the following Authentication methods: <ul style="list-style-type: none"> Admin Authentication User Authentication Basic code Authentication GlobalScan NX is running on the MFP. Users or Admins must repeatedly login and out of the device without cycling the power. The error will be thrown after a logout. <p>6. Blank Screen After Changing Language Settings.</p> <p>If a user or administrator quickly changes a MFP's language settings using the User Tools/Counter/Inquiry screen, a confirmation message will appear, and the MFP's display panel will be blank after finishing settings when the settings screen was accessed when GlobalScan NX was the active screen.</p> <p>Reproduction Procedure:</p> <ol style="list-style-type: none"> Open GlobalScan NX on the MFP. Open the User Tools/Counter/Inquiry screen, press the Language button, then press the Exit button quickly. "The language is switched." will appear on the display panel. This message only appears if the error has occurred. The above message will automatically disappear, and the display panel will be blank. <p>Other changes: The SDK application installation time-out has been changed from 90 seconds to 4 minutes.</p>		
5.03-01	<p>Symptom corrected:</p> <ol style="list-style-type: none"> Bundle start-up is delayed if the start level setting for automatic bundle start-up (Extended Features Settings menu in WIM) has been set to a large number. For example, if this setting is set to a value of "999999999", it can take tens of hours to perform the start-up. SDK/J Ver5 allows the "BundleRepository" service bundle for the SDK/J platform to be removed via the Uninstall Additional Program screen in WIM (even though it should not be possible to remove such an essential bundle). As a result, an SDK/J platform start-up error occurs. 		
5.02	1st Mass production		

Reissued: 05-Nov-10

Model: VM Option Type J	Date: 26-Jan-10	No.: RD463001c
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RTB Reissue

The items in bold italics have been corrected.

Subject: Firmware Release Note: VM Option Type J		Prepared by: K.Hamada	
From: 1st Overseas Tech Support Sec., 1st PQM Dept.			
Classification:	<input type="checkbox"/> Troubleshooting <input type="checkbox"/> Mechanical <input type="checkbox"/> Paper path <input type="checkbox"/> Product Safety	<input type="checkbox"/> Part information <input type="checkbox"/> Electrical <input type="checkbox"/> Transmit/receive <input checked="" type="checkbox"/> Other ()	<input type="checkbox"/> Action required <input type="checkbox"/> Service manual revision <input type="checkbox"/> Retrofit information <input checked="" type="checkbox"/> Tier 2

This RTB has been issued to announce the firmware release information for the **VM Option Type J**.

Version	Program No.	Effective Date
5.11.03	<i>D4635200J_upd</i>	<i>October 2010 production</i>
5.10.04	D4635200H_upd	July 2010 production
5.09.04	D4635200G_upd	June 2010 production
5.08-01	D4635200F_upd_01	January 2010 production
5.07-01	D3775911_V507-01	September 2009 production
5.04-01	D3775911_V504-01	March 2009 production
5.03-01	D3775911_V503-01	February 2009 production
5.02	-	1st Mass production

Version	Modified Points or Symptom Corrected
5.11.03	<p><i>Fixed: The JavaVM would not update the DNS server address after the initial cache, which could eventually prevent the SDK application and DNS server from communicating.</i></p> <p><i>Note: This issue does not affect the device's ability to communicate with the DNS server.</i></p>
5.10.04	<p>Symptom corrected:</p> <ol style="list-style-type: none"> 1. If the SD card slot specified for remote installation of a Type 2 (Java-based) SDK application does not exist on the target device, the application will be installed on a an SD card inserted in a different slot. 2. The Java VM may enter a deadlock state if one thread tries to close a thread that is waiting for I/O data. 3. The username used for Basic Authentication cannot be displayed correctly on the MFP's display panel if the username is 20 characters (bytes) long. 4. If the auto-off timer of the device is set to 1 minute and any SDK application is set to automatically start up, SC997 can occur. 5. The USB card reader may stop working if plugged in immediately after being unplugged.
5.09.04	<p>Symptom corrected:</p> <ol style="list-style-type: none"> 1. If the machine is turned off just after entering Energy Saver mode, it will not be able to enter Energy Saver mode from that point on (the SDK Java platform cannot be started). 2. Wording errors in the display messages used in the SDK application initial settings screen.

Reissued: 05-Nov-10

Model: VM Option Type J		Date: 26-Jan-10	No.: RD463001c
Version	Modified Points or Symptom Corrected		
	<ol style="list-style-type: none"> 3. Installation fails if the FAT block of the SD card is less than 1024 bytes (1KB). 4. When the two processes listed below occur simultaneously, the MFP might enter Sleep mode. <ul style="list-style-type: none"> - The MFP tries to enter Energy Saver mode. - An SDK application (running on the same MFP) tries to prevent the MFP from entering Energy Saver mode. 5. When User Code Authentication is used by a MFP and an SDK application installed on that MFP, users are logged out of the SDK application if the MFP's embedded scanner application's destination registration function ("Prg. Dest." button) is used. 		
5.08-01	<p>Other changes:</p> <p>Because App2Me Provider V1.5.0 has been added to only MFPs, this option has been separated from the one for LPs.</p>		
5.07-01	<p>Symptom corrected:</p> <ol style="list-style-type: none"> 1. The displayed image may appear incomplete if the power button is pressed while using an SDK application that prohibits the machine from entering Energy Saver mode. 2. If the character string for one line of a display label is set to a length of 100 characters or more, it will appear on the operation panel as being directly connected with the following line. 3. Cannot exit the User Tools screen while displaying a JPEG image using an SDK/J application. 4. The device Start Key may become disabled when accessing an SDK/Type J application (e.g., GlobalScan NX). <p>This issue may occur when using the default Java and SDK/Type J settings, and the following procedure is performed:</p> <ol style="list-style-type: none"> 1) Turn on the device. 2) Switch from a device application to an SDK/Type J application after the Java VM has started-up. 5. For about 20 seconds after a device starts up, SDK applications such as CAP might not be able to recognize whether Administrator Authentication or User Authentication is enabled or whether an admin or user has already logged in. <p>Other changes:</p> <ol style="list-style-type: none"> 1. When the operator switches from a non-SDK/J application to an SDK/J application, if one of the SDK/J applications has been set as the priority application, this application will be displayed first. 2. The tabs on the software keyboard can now be preset. 3. Card Authentication Package / Enhanced Locked Print NX ver.1.3 are now available. 		
5.04-01	<p>Symptom corrected:</p> <ol style="list-style-type: none"> 1. Users might not be logged out if both of the following conditions were met: <ol style="list-style-type: none"> 1) The user had been logged in via Usercode Authentication. 2) The operation panel was displaying the interface for the SDK/J applications such as Enhanced Locked Print NX or Global Scan NX. 2. After recovering from Energy Saver mode the device is unable to switch between different SDK/J applications. 3. The software keyboard appears and cannot be closed after accessing a 		

Reissued: 05-Nov-10

Model: VM Option Type J	Date: 26-Jan-10	No.: RD463001c
Version	Modified Points or Symptom Corrected	
	<p>SDK application. This issue may occur as the result of the following procedure:</p> <ol style="list-style-type: none"> 1) Open the software keyboard using a SDK application, such as GlobalScan NX. 2) Press either the "OK" or the "Cancel" button on the software keyboard. 3) Select a standard MFP application (ex. Copy, Print, etc). 4) Select the SDK application again. 5) The software keyboard will automatically appear, and cannot be closed. <p>Note: If the SDK application is busy processing a difficult task (such as a fax job for GlobalScan NX), the chances of this issue occurring will increase significantly.</p> <ol style="list-style-type: none"> 4. There is a memory leak when an SDK application attempts to open a software keyboard but fails. This issue may occur as the result of the following procedure: <ol style="list-style-type: none"> 1) Touch the user name field to open the software keyboard and input a user name. 2) Attempt to open a second software keyboard in order to input a password. 3) The keyboard will fail to open, and 350 bytes of memory will be leaked. Once the issue develops, the software keyboard will not open again until the MFP is restarted. 5. An SC997 error will occur after logging out of the MFP, requiring a restart. Affected products Any 07A or 08S MFPs using GlobalScan NX SDK application version 1.1.1.0 or later. Conditions <ol style="list-style-type: none"> 1) 07A models (R-C5, AL-C1, V-C2) and 08S models (DI-C1, AT-C2, AP-C2). 2) When using any of the following Authentication methods: <ul style="list-style-type: none"> - Admin Authentication - User Authentication - Basic code Authentication 3) GlobalScan NX is running on the MFP. 4) Users or Admins must repeatedly login and out of the device without cycling the power. The error will be thrown after a logout. 6. Blank Screen After Changing Language Settings. If a user or administrator quickly changes a MFP's language settings using the User Tools/Counter/Inquiry screen, a confirmation message will appear, and the MFP's display panel will be blank after finishing settings when the settings screen was accessed when GlobalScan NX was the active screen. Reproduction Procedure: <ol style="list-style-type: none"> 1) Open GlobalScan NX on the MFP. 2) Open the User Tools/Counter/Inquiry screen, press the Language button, then press the Exit button quickly. 3) "The language is switched." will appear on the display panel. This message only appears if the error has occurred. 4) The above message will automatically disappear, and the display panel will be blank. <p>Other changes: The SDK application installation time-out has been changed from 90</p>	

Reissued: 05-Nov-10

Model: VM Option Type J		Date: 26-Jan-10	No.: RD463001c
Version	Modified Points or Symptom Corrected		
	seconds to 4 minutes.		
5.03-01	Symptom corrected: 1. Bundle start-up is delayed if the start level setting for automatic bundle start-up (Extended Features Settings menu in WIM) has been set to a large number. For example, if this setting is set to a value of "999999999", it can take tens of hours to perform the start-up. 2. SDK/J Ver5 allows the "BundleRepository" service bundle for the SDK/J platform to be removed via the Uninstall Additional Program screen in WIM (even though it should not be possible to remove such an essential bundle). As a result, an SDK/J platform start-up error occurs.		
5.02	1st Mass production		

Reissued: 05-Nov-10

Model: VM Option Type K	Date: 21-Apr-09	No.: RM354A01c
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RTB Reissue

The items in bold italics have been corrected.

Subject: Firmware Release Note: VM Option Type K		Prepared by: K.Hamada	
From: 1st Overseas Tech Support Sec., 1st PQM Dept.			
Classification:	<input type="checkbox"/> Troubleshooting <input type="checkbox"/> Mechanical <input type="checkbox"/> Paper path <input type="checkbox"/> Product Safety	<input type="checkbox"/> Part information <input type="checkbox"/> Electrical <input type="checkbox"/> Transmit/receive <input checked="" type="checkbox"/> Other ()	<input type="checkbox"/> Action required <input type="checkbox"/> Service manual revision <input type="checkbox"/> Retrofit information <input checked="" type="checkbox"/> Tier 2

This RTB has been issued to announce the firmware release information for the **VM Option Type K**.

Version	Program No.	Effective Date
5.11.03	<i>M3545800L_upd</i>	<i>October 2010 production</i>
5.10.04	M3545800K_upd	July 2010 production
5.09.04	M3545800J_upd	June 2010 production
5.08-01	M3545800H_upd_01	January 2010 production
5.07-01	D3775911_V507-01	September 2009 production
5.04-01	D3775911_V504-01	March 2009 production
5.03-01	D3775911_V503-01	February 2009 production
5.02	-	1st Mass production

Version	Modified Points or Symptom Corrected
5.11.03	<p><i>Fixed: The JavaVM would not update the DNS server address after the initial cache, which could eventually prevent the SDK application and DNS server from communicating.</i></p> <p><i>Note: This issue does not affect the device's ability to communicate with the DNS server.</i></p>
5.10.04	<p>Symptom corrected:</p> <ol style="list-style-type: none"> SD card slot specified for remote installation of a Type 2 (Java-based) SDK application does not exist on the target device, the application will be installed on a an SD card inserted in a different slot. The Java VM may enter a deadlock state if one thread tries to close a thread that is waiting for I/O data. The username used for Basic Authentication cannot be displayed correctly on the MFP's display panel if the username is 20 characters (bytes) long. If the auto-off timer of the device is set to 1 minute and any SDK application is set to automatically start up, SC997 can occur. The USB card reader may stop working if plugged in immediately after being unplugged.
5.09.04	<p>Symptom corrected:</p> <ol style="list-style-type: none"> If the machine is turned off just after entering Energy Saver mode, it will not be able to enter Energy Saver mode from that point on (the SDK Java platform cannot be started). Wording errors in the display messages used in the SDK application initial

Reissued: 05-Nov-10

Model: VM Option Type K		Date: 21-Apr-09	No.: RM354A01c
Version	Modified Points or Symptom Corrected		
	settings screen. 3. Installation fails if the FAT block of the SD card is less than 1024 bytes (1KB).		
5.08-01	Other changes: Because App2Me Provider V1.5.0 has been added to only MFPs, this option has been separated from the one for MFPs.		
5.07-01	Symptom corrected: 1. The displayed image may appear incomplete if the power button is pressed while using an SDK application that prohibits the machine from entering Energy Saver mode. 2. If the character string for one line of a display label is set to a length of 100 characters or more, it will appear on the operation panel as being directly connected with the following line. 3. Cannot exit the User Tools screen while displaying a JPEG image using an SDK/J application. 4. The device Start Key may become disabled when accessing an SDK/Type J application (e.g., GlobalScan NX). This issue may occur when using the default Java and SDK/Type J settings, and the following procedure is performed: 1) Turn on the device. 2) Switch from a device application to an SDK/Type J application after the Java VM has started-up. 5. For about 20 seconds after a device starts up, SDK applications such as CAP might not be able to recognize whether Administrator Authentication or User Authentication is enabled or whether an admin or user has already logged in. Other changes: 1. When the operator switches from a non-SDK/J application to an SDK/J application, if one of the SDK/J applications has been set as the priority application, this application will be displayed first. 2. The tabs on the software keyboard can now be preset. 3. Card Authentication Package / Enhanced Locked Print NX ver.1.3 are now available.		
5.04-01	Symptom corrected: 1. Users might not be logged out if both of the following conditions were met: 1) The user had been logged in via Usercode Authentication. 2) The operation panel was displaying the interface for the SDK/J applications such as Enhanced Locked Print NX or Global Scan NX. 2. After recovering from Energy Saver mode the device is unable to switch between different SDK/J applications. 3. The software keyboard appears and cannot be closed after accessing a SDK application. This issue may occur as the result of the following procedure: 1) Open the software keyboard using a SDK application, such as GlobalScan NX. 2) Press either the "OK" or the "Cancel" button on the software keyboard. 3) Select a standard MFP application (ex. Copy, Print, etc). 4) Select the SDK application again. 5) The software keyboard will automatically appear, and cannot be closed. Note: If the SDK application is busy processing a difficult task (such as a fax job for GlobalScan NX), the chances of this issue occurring will increase significantly.		

Reissued: 05-Nov-10

Model: VM Option Type K		Date: 21-Apr-09	No.: RM354A01c
Version	Modified Points or Symptom Corrected		
	<p>4. There is a memory leak when an SDK application attempts to open a software keyboard but fails. This issue may occur as the result of the following procedure:</p> <ol style="list-style-type: none"> 1) Touch the user name field to open the software keyboard and input a user name. 2) Attempt to open a second software keyboard in order to input a password. 3) The keyboard will fail to open, and 350 bytes of memory will be leaked. Once the issue develops, the software keyboard will not open again until the MFP is restarted. <p>5. An SC997 error will occur after logging out of the MFP, requiring a restart. Affected products Any 07A or 08S MFPs using GlobalScan NX SDK application version 1.1.1.0 or later. Conditions</p> <ol style="list-style-type: none"> 1) 07A models (R-C5, AL-C1, V-C2) and 08S models (DI-C1, AT-C2, AP-C2). 2) When using any of the following Authentication methods: <ul style="list-style-type: none"> - Admin Authentication - User Authentication - Basic code Authentication 3) GlobalScan NX is running on the MFP. 4) Users or Admins must repeatedly login and out of the device without cycling the power. The error will be thrown after a logout. <p>6. Blank Screen After Changing Language Settings. If a user or administrator quickly changes a MFP's language settings using the User Tools/Counter/Inquiry screen, a confirmation message will appear, and the MFP's display panel will be blank after finishing settings when the settings screen was accessed when GlobalScan NX was the active screen. Reproduction Procedure:</p> <ol style="list-style-type: none"> 1) Open GlobalScan NX on the MFP. 2) Open the User Tools/Counter/Inquiry screen, press the Language button, then press the Exit button quickly. 3) "The language is switched." will appear on the display panel. This message only appears if the error has occurred. 4) The above message will automatically disappear, and the display panel will be blank. <p>Other changes: The SDK application installation time-out has been changed from 90 seconds to 4 minutes.</p>		
5.03-01	<p>Symptom corrected:</p> <ol style="list-style-type: none"> 1. Bundle start-up is delayed if the start level setting for automatic bundle start-up (Extended Features Settings menu in WIM) has been set to a large number. For example, if this setting is set to a value of "999999999", it can take tens of hours to perform the start-up. 2. SDK/J Ver5 allows the "BundleRepository" service bundle for the SDK/J platform to be removed via the Uninstall Additional Program screen in WIM (even though it should not be possible to remove such an essential bundle). As a result, an SDK/J platform start-up error occurs. 		
5.02	1st Mass production		

Reissued: 05-Jan-11

Model: VM Option Type K	Date: 21-Apr-09	No.: RM354A01d
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RTB Reissue

The items in bold italics have been corrected.

Subject: Firmware Release Note: VM Option Type K		Prepared by: K.Hamada	
From: 1st Overseas Tech Support Sec., 1st PQM Dept.			
Classification:	<input type="checkbox"/> Troubleshooting <input type="checkbox"/> Mechanical <input type="checkbox"/> Paper path <input type="checkbox"/> Product Safety	<input type="checkbox"/> Part information <input type="checkbox"/> Electrical <input type="checkbox"/> Transmit/receive <input checked="" type="checkbox"/> Other ()	<input type="checkbox"/> Action required <input type="checkbox"/> Service manual revision <input type="checkbox"/> Retrofit information <input checked="" type="checkbox"/> Tier 2

This RTB has been issued to announce the firmware release information for the **VM Option Type K**.

Version	Program No.	Effective Date
5.12.00	<i>M3545800M_upd</i>	<i>November 2010 production</i>
5.11.03	M3545800L_upd	October 2010 production
5.10.04	M3545800K_upd	July 2010 production
5.09.04	M3545800J_upd	June 2010 production
5.08-01	M3545800H_upd_01	January 2010 production
5.07-01	D3775911_V507-01	September 2009 production
5.04-01	D3775911_V504-01	March 2009 production
5.03-01	D3775911_V503-01	February 2009 production
5.02	-	1st Mass production

Version	Modified Points or Symptom Corrected
5.12.00	<i>Minor bug correction.</i>
5.11.03	<p>Fixed: The JavaVM would not update the DNS server address after the initial cache, which could eventually prevent the SDK application and DNS server from communicating.</p> <p>Note: This issue does not affect the device's ability to communicate with the DNS server.</p>
5.10.04	<p>Symptom corrected:</p> <ol style="list-style-type: none"> SD card slot specified for remote installation of a Type 2 (Java-based) SDK application does not exist on the target device, the application will be installed on a an SD card inserted in a different slot. The Java VM may enter a deadlock state if one thread tries to close a thread that is waiting for I/O data. The username used for Basic Authentication cannot be displayed correctly on the MFP's display panel if the username is 20 characters (bytes) long. If the auto-off timer of the device is set to 1 minute and any SDK application is set to automatically start up, SC997 can occur. The USB card reader may stop working if plugged in immediately after being unplugged.
5.09.04	<p>Symptom corrected:</p> <ol style="list-style-type: none"> If the machine is turned off just after entering Energy Saver mode, it will not be able to enter Energy Saver mode from that point on (the SDK Java platform

Reissued: 05-Jan-11

Model: VM Option Type K		Date: 21-Apr-09	No.: RM354A01d
Version	Modified Points or Symptom Corrected		
	cannot be started). 2. Wording errors in the display messages used in the SDK application initial settings screen. 3. Installation fails if the FAT block of the SD card is less than 1024 bytes (1KB).		
5.08-01	Other changes: Because App2Me Provider V1.5.0 has been added to only MFPs, this option has been separated from the one for MFPs.		
5.07-01	Symptom corrected: 1. The displayed image may appear incomplete if the power button is pressed while using an SDK application that prohibits the machine from entering Energy Saver mode. 2. If the character string for one line of a display label is set to a length of 100 characters or more, it will appear on the operation panel as being directly connected with the following line. 3. Cannot exit the User Tools screen while displaying a JPEG image using an SDK/J application. 4. The device Start Key may become disabled when accessing an SDK/Type J application (e.g., GlobalScan NX). This issue may occur when using the default Java and SDK/Type J settings, and the following procedure is performed: 1) Turn on the device. 2) Switch from a device application to an SDK/Type J application after the Java VM has started-up. 5. For about 20 seconds after a device starts up, SDK applications such as CAP might not be able to recognize whether Administrator Authentication or User Authentication is enabled or whether an admin or user has already logged in. Other changes: 1. When the operator switches from a non-SDK/J application to an SDK/J application, if one of the SDK/J applications has been set as the priority application, this application will be displayed first. 2. The tabs on the software keyboard can now be preset. 3. Card Authentication Package / Enhanced Locked Print NX ver.1.3 are now available.		
5.04-01	Symptom corrected: 1. Users might not be logged out if both of the following conditions were met: 1) The user had been logged in via Usercode Authentication. 2) The operation panel was displaying the interface for the SDK/J applications such as Enhanced Locked Print NX or Global Scan NX. 2. After recovering from Energy Saver mode the device is unable to switch between different SDK/J applications. 3. The software keyboard appears and cannot be closed after accessing a SDK application. This issue may occur as the result of the following procedure: 1) Open the software keyboard using a SDK application, such as GlobalScan NX. 2) Press either the "OK" or the "Cancel" button on the software keyboard. 3) Select a standard MFP application (ex. Copy, Print, etc). 4) Select the SDK application again. 5) The software keyboard will automatically appear, and cannot be closed.		

Reissued: 05-Jan-11

Model: VM Option Type K		Date: 21-Apr-09	No.: RM354A01d
Version	Modified Points or Symptom Corrected		
	<p>Note: If the SDK application is busy processing a difficult task (such as a fax job for GlobalScan NX), the chances of this issue occurring will increase significantly.</p> <p>4. There is a memory leak when an SDK application attempts to open a software keyboard but fails. This issue may occur as the result of the following procedure:</p> <ol style="list-style-type: none"> 1) Touch the user name field to open the software keyboard and input a user name. 2) Attempt to open a second software keyboard in order to input a password. 3) The keyboard will fail to open, and 350 bytes of memory will be leaked. <p>Once the issue develops, the software keyboard will not open again until the MFP is restarted.</p> <p>5. An SC997 error will occur after logging out of the MFP, requiring a restart. Affected products Any 07A or 08S MFPs using GlobalScan NX SDK application version 1.1.1.0 or later. Conditions</p> <ol style="list-style-type: none"> 1) 07A models (R-C5, AL-C1, V-C2) and 08S models (DI-C1, AT-C2, AP-C2). 2) When using any of the following Authentication methods: <ul style="list-style-type: none"> - Admin Authentication - User Authentication - Basic code Authentication 3) GlobalScan NX is running on the MFP. 4) Users or Admins must repeatedly login and out of the device without cycling the power. The error will be thrown after a logout. <p>6. Blank Screen After Changing Language Settings. If a user or administrator quickly changes a MFP's language settings using the User Tools/Counter/Inquiry screen, a confirmation message will appear, and the MFP's display panel will be blank after finishing settings when the settings screen was accessed when GlobalScan NX was the active screen. Reproduction Procedure:</p> <ol style="list-style-type: none"> 1) Open GlobalScan NX on the MFP. 2) Open the User Tools/Counter/Inquiry screen, press the Language button, then press the Exit button quickly. 3) "The language is switched." will appear on the display panel. This message only appears if the error has occurred. 4) The above message will automatically disappear, and the display panel will be blank. <p>Other changes: The SDK application installation time-out has been changed from 90 seconds to 4 minutes.</p>		
5.03-01	<p>Symptom corrected:</p> <ol style="list-style-type: none"> 1. Bundle start-up is delayed if the start level setting for automatic bundle start-up (Extended Features Settings menu in WIM) has been set to a large number. For example, if this setting is set to a value of "999999999", it can take tens of hours to perform the start-up. 2. SDK/J Ver5 allows the "BundleRepository" service bundle for the SDK/J platform to be removed via the Uninstall Additional Program screen in WIM (even though it should not be possible to remove such an essential bundle). As a result, an SDK/J platform start-up error occurs. 		

Reissued: 05-Jan-11

Model: VM Option Type K		Date: 21-Apr-09	No.: RM354A01d
Version	Modified Points or Symptom Corrected		
5.02	1st Mass production		

Reissued: 05-Jan-11

Model: VM Option Type J	Date: 26-Jan-10	No.: RD463001d
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RTB Reissue

The items in bold italics have been corrected.

Subject: Firmware Release Note: VM Option Type J		Prepared by: K.Hamada	
From: 1st Overseas Tech Support Sec., 1st PQM Dept.			
Classification:	<input type="checkbox"/> Troubleshooting	<input type="checkbox"/> Part information	<input type="checkbox"/> Action required
	<input type="checkbox"/> Mechanical	<input type="checkbox"/> Electrical	<input type="checkbox"/> Service manual revision
	<input type="checkbox"/> Paper path	<input type="checkbox"/> Transmit/receive	<input type="checkbox"/> Retrofit information
	<input type="checkbox"/> Product Safety	<input checked="" type="checkbox"/> Other ()	<input checked="" type="checkbox"/> Tier 2

This RTB has been issued to announce the firmware release information for the **VM Option Type J**.

Version	Program No.	Effective Date
5.12.00	<i>D4635200K_upd</i>	<i>November 2010 production</i>
5.11.03	D4635200J_upd	October 2010 production
5.10.04	D4635200H_upd	July 2010 production
5.09.04	D4635200G_upd	June 2010 production
5.08-01	D4635200F_upd_01	January 2010 production
5.07-01	D3775911_V507-01	September 2009 production
5.04-01	D3775911_V504-01	March 2009 production
5.03-01	D3775911_V503-01	February 2009 production
5.02	-	1st Mass production

Version	Modified Points or Symptom Corrected
5.12.00	<i>Minor bug correction.</i>
5.11.03	Fixed: The JavaVM would not update the DNS server address after the initial cache, which could eventually prevent the SDK application and DNS server from communicating. Note: This issue does not affect the device's ability to communicate with the DNS server.
5.10.04	Symptom corrected: <ol style="list-style-type: none"> 1. If the SD card slot specified for remote installation of a Type 2 (Java-based) SDK application does not exist on the target device, the application will be installed on a an SD card inserted in a different slot. 2. The Java VM may enter a deadlock state if one thread tries to close a thread that is waiting for I/O data. 3. The username used for Basic Authentication cannot be displayed correctly on the MFP's display panel if the username is 20 characters (bytes) long. 4. If the auto-off timer of the device is set to 1 minute and any SDK application is set to automatically start up, SC997 can occur. 5. The USB card reader may stop working if plugged in immediately after being unplugged.
5.09.04	Symptom corrected: <ol style="list-style-type: none"> 1. If the machine is turned off just after entering Energy Saver mode, it will not be able to enter Energy Saver mode from that point on (the SDK Java platform cannot be started).

Reissued: 05-Jan-11

Model: VM Option Type J		Date: 26-Jan-10	No.: RD463001d
Version	Modified Points or Symptom Corrected		
	<ol style="list-style-type: none"> 2. Wording errors in the display messages used in the SDK application initial settings screen. 3. Installation fails if the FAT block of the SD card is less than 1024 bytes (1KB). 4. When the two processes listed below occur simultaneously, the MFP might enter Sleep mode. <ul style="list-style-type: none"> - The MFP tries to enter Energy Saver mode. - An SDK application (running on the same MFP) tries to prevent the MFP from entering Energy Saver mode. 5. When User Code Authentication is used by a MFP and an SDK application installed on that MFP, users are logged out of the SDK application if the MFP's embedded scanner application's destination registration function ("Prg. Dest." button) is used. 		
5.08-01	<p>Other changes:</p> <p>Because App2Me Provider V1.5.0 has been added to only MFPs, this option has been separated from the one for LPs.</p>		
5.07-01	<p>Symptom corrected:</p> <ol style="list-style-type: none"> 1. The displayed image may appear incomplete if the power button is pressed while using an SDK application that prohibits the machine from entering Energy Saver mode. 2. If the character string for one line of a display label is set to a length of 100 characters or more, it will appear on the operation panel as being directly connected with the following line. 3. Cannot exit the User Tools screen while displaying a JPEG image using an SDK/J application. 4. The device Start Key may become disabled when accessing an SDK/Type J application (e.g., GlobalScan NX). <p>This issue may occur when using the default Java and SDK/Type J settings, and the following procedure is performed:</p> <ol style="list-style-type: none"> 1) Turn on the device. 2) Switch from a device application to an SDK/Type J application after the Java VM has started-up. <ol style="list-style-type: none"> 5. For about 20 seconds after a device starts up, SDK applications such as CAP might not be able to recognize whether Administrator Authentication or User Authentication is enabled or whether an admin or user has already logged in. <p>Other changes:</p> <ol style="list-style-type: none"> 1. When the operator switches from a non-SDK/J application to an SDK/J application, if one of the SDK/J applications has been set as the priority application, this application will be displayed first. 2. The tabs on the software keyboard can now be preset. 3. Card Authentication Package / Enhanced Locked Print NX ver.1.3 are now available. 		
5.04-01	<p>Symptom corrected:</p> <ol style="list-style-type: none"> 1. Users might not be logged out if both of the following conditions were met: <ol style="list-style-type: none"> 1) The user had been logged in via Usercode Authentication. 2) The operation panel was displaying the interface for the SDK/J applications such as Enhanced Locked Print NX or Global Scan NX. 2. After recovering from Energy Saver mode the device is unable to switch 		

Reissued: 05-Jan-11

Model: VM Option Type J	Date: 26-Jan-10	No.: RD463001d
Version	Modified Points or Symptom Corrected	
	<p>between different SDK/J applications.</p> <p>3. The software keyboard appears and cannot be closed after accessing a SDK application. This issue may occur as the result of the following procedure:</p> <ol style="list-style-type: none"> 1) Open the software keyboard using a SDK application, such as GlobalScan NX. 2) Press either the "OK" or the "Cancel" button on the software keyboard. 3) Select a standard MFP application (ex. Copy, Print, etc). 4) Select the SDK application again. 5) The software keyboard will automatically appear, and cannot be closed. <p>Note: If the SDK application is busy processing a difficult task (such as a fax job for GlobalScan NX), the chances of this issue occurring will increase significantly.</p> <p>4. There is a memory leak when an SDK application attempts to open a software keyboard but fails. This issue may occur as the result of the following procedure:</p> <ol style="list-style-type: none"> 1) Touch the user name field to open the software keyboard and input a user name. 2) Attempt to open a second software keyboard in order to input a password. 3) The keyboard will fail to open, and 350 bytes of memory will be leaked. Once the issue develops, the software keyboard will not open again until the MFP is restarted. <p>5. An SC997 error will occur after logging out of the MFP, requiring a restart. Affected products Any 07A or 08S MFPs using GlobalScan NX SDK application version 1.1.1.0 or later. Conditions</p> <ol style="list-style-type: none"> 1) 07A models (R-C5, AL-C1, V-C2) and 08S models (DI-C1, AT-C2, AP-C2). 2) When using any of the following Authentication methods: <ul style="list-style-type: none"> - Admin Authentication - User Authentication - Basic code Authentication 3) GlobalScan NX is running on the MFP. 4) Users or Admins must repeatedly login and out of the device without cycling the power. The error will be thrown after a logout. <p>6. Blank Screen After Changing Language Settings. If a user or administrator quickly changes a MFP's language settings using the User Tools/Counter/Inquiry screen, a confirmation message will appear, and the MFP's display panel will be blank after finishing settings when the settings screen was accessed when GlobalScan NX was the active screen. Reproduction Procedure:</p> <ol style="list-style-type: none"> 1) Open GlobalScan NX on the MFP. 2) Open the User Tools/Counter/Inquiry screen, press the Language button, then press the Exit button quickly. 3) "The language is switched." will appear on the display panel. This message only appears if the error has occurred. 4) The above message will automatically disappear, and the display panel will be blank. 	

Reissued: 05-Jan-11

Model: VM Option Type J		Date: 26-Jan-10	No.: RD463001d
Version	Modified Points or Symptom Corrected		
	Other changes: The SDK application installation time-out has been changed from 90 seconds to 4 minutes.		
5.03-01	Symptom corrected: 1. Bundle start-up is delayed if the start level setting for automatic bundle start-up (Extended Features Settings menu in WIM) has been set to a large number. For example, if this setting is set to a value of "999999999", it can take tens of hours to perform the start-up. 2. SDK/J Ver5 allows the "BundleRepository" service bundle for the SDK/J platform to be removed via the Uninstall Additional Program screen in WIM (even though it should not be possible to remove such an essential bundle). As a result, an SDK/J platform start-up error occurs.		
5.02	1st Mass production		

Reissued: 20-Jun-11

Model: VM Option Type J	Date: 26-Jan-10	No.: RD463001e
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RTB Reissue

The items in bold italics have been corrected.

Subject: Firmware Release Note: VM Option Type J		Prepared by: K.Hamada	
From: 1st Overseas Tech Support Sec., 1st PQM Dept.			
Classification:	<input type="checkbox"/> Troubleshooting <input type="checkbox"/> Mechanical <input type="checkbox"/> Paper path <input type="checkbox"/> Product Safety	<input type="checkbox"/> Part information <input type="checkbox"/> Electrical <input type="checkbox"/> Transmit/receive <input checked="" type="checkbox"/> Other ()	<input type="checkbox"/> Action required <input type="checkbox"/> Service manual revision <input type="checkbox"/> Retrofit information <input checked="" type="checkbox"/> Tier 2

This RTB has been issued to announce the firmware release information for the **VM Option Type J**.

Version	Program No.	Effective Date
5.13.02	<i>D4635200L_upd</i>	<i>June 2011 production</i>
5.12.00	D4635200K_upd	November 2010 production
5.11.03	D4635200J_upd	October 2010 production
5.10.04	D4635200H_upd	July 2010 production
5.09.04	D4635200G_upd	June 2010 production
5.08-01	D4635200F_upd_01	January 2010 production
5.07-01	D3775911_V507-01	September 2009 production
5.04-01	D3775911_V504-01	March 2009 production
5.03-01	D3775911_V503-01	February 2009 production
5.02	-	1st Mass production

Version	Modified Points or Symptom Corrected
5.13.02	<i>Symptom corrected:</i> <ol style="list-style-type: none"> <i>Remote Manager v2 may not be able to communicate with the device if it takes more than 1 minute to assign the device an IP address via DHCP.</i> <i>Users are not logged out after pressing the "Logout" button on the "User Tools" screen when using CAP with basic authentication.</i> <i>If a user was logged in when the On/Off button is used to turn the device off, the "Cannot Logout" message is displayed the next time the On/Off button is used to turn the device on. The message is displayed even though the user has been logged out.</i> <i>SC997 can occur if an SDK application takes more than 15 seconds start up.</i> <i>An SSL connection cannot be established if a x509 certificate is used but contains a "CRL Distribution Point".</i> <i>Other changes:</i> <i>Support for eDC-i1.2 and Remote Install Manager V1.1 was added.</i>
5.12.00	Minor bug correction.
5.11.03	Fixed: The JavaVM would not update the DNS server address after the initial cache, which could eventually prevent the SDK application and DNS server from communicating.

Reissued: 20-Jun-11

Model: VM Option Type J		Date: 26-Jan-10	No.: RD463001e
Version	Modified Points or Symptom Corrected		
	Note: This issue does not affect the device's ability to communicate with the DNS server.		
5.10.04	Symptom corrected: <ol style="list-style-type: none"> 1. If the SD card slot specified for remote installation of a Type 2 (Java-based) SDK application does not exist on the target device, the application will be installed on a an SD card inserted in a different slot. 2. The Java VM may enter a deadlock state if one thread tries to close a thread that is waiting for I/O data. 3. The username used for Basic Authentication cannot be displayed correctly on the MFP's display panel if the username is 20 characters (bytes) long. 4. If the auto-off timer of the device is set to 1 minute and any SDK application is set to automatically start up, SC997 can occur. 5. The USB card reader may stop working if plugged in immediately after being unplugged. 		
5.09.04	Symptom corrected: <ol style="list-style-type: none"> 1. If the machine is turned off just after entering Energy Saver mode, it will not be able to enter Energy Saver mode from that point on (the SDK Java platform cannot be started). 2. Wording errors in the display messages used in the SDK application initial settings screen. 3. Installation fails if the FAT block of the SD card is less then 1024 bytes (1KB). 4. When the two processes listed below occur simultaneously, the MFP might enter Sleep mode. <ul style="list-style-type: none"> - The MFP tries to enter Energy Saver mode. - An SDK application (running on the same MFP) tries to prevent the MFP from entering Energy Saver mode. 5. When User Code Authentication is used by a MFP and an SDK application installed on that MFP, users are logged out of the SDK application if the MFP's embedded scanner application's destination registration function ("Prg. Dest." button) is used. 		
5.08-01	Other changes: Because App2Me Provider V1.5.0 has been added to only MFPs, this option has been separated from the one for LPs.		
5.07-01	Symptom corrected: <ol style="list-style-type: none"> 1. The displayed image may appear incomplete if the power button is pressed while using an SDK application that prohibits the machine from entering Energy Saver mode. 2. If the character string for one line of a display label is set to a length of 100 characters or more, it will appear on the operation panel as being directly connected with the following line. 3. Cannot exit the User Tools screen while displaying a JPEG image using an SDK/J application. 4. The device Start Key may become disabled when accessing an SDK/Type J application (e.g., GlobalScan NX). This issue may occur when using the default Java and SDK/Type J settings, and the following procedure is performed: <ol style="list-style-type: none"> 1) Turn on the device. 2) Switch from a device application to an SDK/Type J application after the Java VM has started-up. 		

Reissued: 20-Jun-11

Model: VM Option Type J		Date: 26-Jan-10	No.: RD463001e
Version	Modified Points or Symptom Corrected		
	<p>5. For about 20 seconds after a device starts up, SDK applications such as CAP might not be able to recognize whether Administrator Authentication or User Authentication is enabled or whether an admin or user has already logged in.</p> <p>Other changes:</p> <ol style="list-style-type: none"> 1. When the operator switches from a non-SDK/J application to an SDK/J application, if one of the SDK/J applications has been set as the priority application, this application will be displayed first. 2. The tabs on the software keyboard can now be preset. 3. Card Authentication Package / Enhanced Locked Print NX ver.1.3 are now available. 		
5.04-01	<p>Symptom corrected:</p> <ol style="list-style-type: none"> 1. Users might not be logged out if both of the following conditions were met: <ol style="list-style-type: none"> 1) The user had been logged in via Usercode Authentication. 2) The operation panel was displaying the interface for the SDK/J applications such as Enhanced Locked Print NX or Global Scan NX. 2. After recovering from Energy Saver mode the device is unable to switch between different SDK/J applications. 3. The software keyboard appears and cannot be closed after accessing a SDK application. <p>This issue may occur as the result of the following procedure:</p> <ol style="list-style-type: none"> 1) Open the software keyboard using a SDK application, such as GlobalScan NX. 2) Press either the "OK" or the "Cancel" button on the software keyboard. 3) Select a standard MFP application (ex. Copy, Print, etc). 4) Select the SDK application again. 5) The software keyboard will automatically appear, and cannot be closed. <p>Note: If the SDK application is busy processing a difficult task (such as a fax job for GlobalScan NX), the chances of this issue occurring will increase significantly.</p> <ol style="list-style-type: none"> 4. There is a memory leak when an SDK application attempts to open a software keyboard but fails. <p>This issue may occur as the result of the following procedure:</p> <ol style="list-style-type: none"> 1) Touch the user name field to open the software keyboard and input a user name. 2) Attempt to open a second software keyboard in order to input a password. 3) The keyboard will fail to open, and 350 bytes of memory will be leaked. Once the issue develops, the software keyboard will not open again until the MFP is restarted. <ol style="list-style-type: none"> 5. An SC997 error will occur after logging out of the MFP, requiring a restart. <p>Affected products</p> <p>Any 07A or 08S MFPs using GlobalScan NX SDK application version 1.1.1.0 or later.</p> <p>Conditions</p> <ol style="list-style-type: none"> 1) 07A models (R-C5, AL-C1, V-C2) and 08S models (DI-C1, AT-C2, AP-C2). 2) When using any of the following Authentication methods: <ul style="list-style-type: none"> - Admin Authentication 		

Reissued: 20-Jun-11

Model: VM Option Type J		Date: 26-Jan-10	No.: RD463001e
Version	Modified Points or Symptom Corrected		
	<ul style="list-style-type: none"> - User Authentication - Basic code Authentication <p>3) GlobalScan NX is running on the MFP.</p> <p>4) Users or Admins must repeatedly login and out of the device without cycling the power. The error will be thrown after a logout.</p> <p>6. Blank Screen After Changing Language Settings. If a user or administrator quickly changes a MFP's language settings using the User Tools/Counter/Inquiry screen, a confirmation message will appear, and the MFP's display panel will be blank after finishing settings when the settings screen was accessed when GlobalScan NX was the active screen. Reproduction Procedure:</p> <ol style="list-style-type: none"> 1) Open GlobalScan NX on the MFP. 2) Open the User Tools/Counter/Inquiry screen, press the Language button, then press the Exit button quickly. 3) "The language is switched." will appear on the display panel. This message only appears if the error has occurred. 4) The above message will automatically disappear, and the display panel will be blank. <p>Other changes: The SDK application installation time-out has been changed from 90 seconds to 4 minutes.</p>		
5.03-01	<p>Symptom corrected:</p> <ol style="list-style-type: none"> 1. Bundle start-up is delayed if the start level setting for automatic bundle start-up (Extended Features Settings menu in WIM) has been set to a large number. For example, if this setting is set to a value of "999999999", it can take tens of hours to perform the start-up. 2. SDK/J Ver5 allows the "BundleRepository" service bundle for the SDK/J platform to be removed via the Uninstall Additional Program screen in WIM (even though it should not be possible to remove such an essential bundle). As a result, an SDK/J platform start-up error occurs. 		
5.02	1st Mass production		

Reissued: 20-Jun-11

Model: VM Option Type K	Date: 21-Apr-09	No.: RM354A01e
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RTB Reissue

The items in bold italics have been corrected.

Subject: Firmware Release Note: VM Option Type K		Prepared by: K.Hamada	
From: 1st Overseas Tech Support Sec., 1st PQM Dept.			
Classification:	<input type="checkbox"/> Troubleshooting	<input type="checkbox"/> Part information	<input type="checkbox"/> Action required
	<input type="checkbox"/> Mechanical	<input type="checkbox"/> Electrical	<input type="checkbox"/> Service manual revision
	<input type="checkbox"/> Paper path	<input type="checkbox"/> Transmit/receive	<input type="checkbox"/> Retrofit information
	<input type="checkbox"/> Product Safety	<input checked="" type="checkbox"/> Other ()	<input checked="" type="checkbox"/> Tier 2

This RTB has been issued to announce the firmware release information for the **VM Option Type K**.

Version	Program No.	Effective Date
5.13.02	<i>M3545800N_upd</i>	<i>June 2011 production</i>
5.12.00	M3545800M_upd	November 2010 production
5.11.03	M3545800L_upd	October 2010 production
5.10.04	M3545800K_upd	July 2010 production
5.09.04	M3545800J_upd	June 2010 production
5.08-01	M3545800H_upd_01	January 2010 production
5.07-01	D3775911_V507-01	September 2009 production
5.04-01	D3775911_V504-01	March 2009 production
5.03-01	D3775911_V503-01	February 2009 production
5.02	-	1st Mass production

Version	Modified Points or Symptom Corrected
5.13.02	<p><i>Symptom corrected:</i></p> <ol style="list-style-type: none"> <i>Remote Manager v2 may not be able to communicate with the device if it takes more than 1 minute to assign the device an IP address via DHCP.</i> <i>Users are not logged out after pressing the "Logout" button on the "User Tools" screen when using CAP with basic authentication.</i> <i>If a user was logged in when the On/Off button is used to turn the device off, the "Cannot Logout" message is displayed the next time the On/Off button is used to turn the device on. The message is displayed even though the user has been logged out.</i> <i>SC997 can occur if an SDK application takes more than 15 seconds start up.</i> <i>An SSL connection cannot be established if a x509 certificate is used but contains a "CRL Distribution Point".</i> <p><i>Other changes:</i> <i>Support for eDC-i1.2 and Remote Install Manager V1.1 was added.</i></p>
5.12.00	Minor bug correction.
5.11.03	Fixed: The JavaVM would not update the DNS server address after the initial cache, which could eventually prevent the SDK application and DNS server from communicating.

Reissued: 20-Jun-11

Model: VM Option Type K		Date: 21-Apr-09	No.: RM354A01e
Version	Modified Points or Symptom Corrected		
	Note: This issue does not affect the device's ability to communicate with the DNS server.		
5.10.04	Symptom corrected: <ol style="list-style-type: none"> 1. SD card slot specified for remote installation of a Type 2 (Java-based) SDK application does not exist on the target device, the application will be installed on a an SD card inserted in a different slot. 2. The Java VM may enter a deadlock state if one thread tries to close a thread that is waiting for I/O data. 3. The username used for Basic Authentication cannot be displayed correctly on the MFP's display panel if the username is 20 characters (bytes) long. 4. If the auto-off timer of the device is set to 1 minute and any SDK application is set to automatically start up, SC997 can occur. 5. The USB card reader may stop working if plugged in immediately after being unplugged. 		
5.09.04	Symptom corrected: <ol style="list-style-type: none"> 1. If the machine is turned off just after entering Energy Saver mode, it will not be able to enter Energy Saver mode from that point on (the SDK Java platform cannot be started). 2. Wording errors in the display messages used in the SDK application initial settings screen. 3. Installation fails if the FAT block of the SD card is less then 1024 bytes (1KB). 		
5.08-01	Other changes: Because App2Me Provider V1.5.0 has been added to only MFPs, this option has been separated from the one for MFPs.		
5.07-01	Symptom corrected: <ol style="list-style-type: none"> 1. The displayed image may appear incomplete if the power button is pressed while using an SDK application that prohibits the machine from entering Energy Saver mode. 2. If the character string for one line of a display label is set to a length of 100 characters or more, it will appear on the operation panel as being directly connected with the following line. 3. Cannot exit the User Tools screen while displaying a JPEG image using an SDK/J application. 4. The device Start Key may become disabled when accessing an SDK/Type J application (e.g., GlobalScan NX). This issue may occur when using the default Java and SDK/Type J settings, and the following procedure is performed: <ol style="list-style-type: none"> 1) Turn on the device. 2) Switch from a device application to an SDK/Type J application after the Java VM has started-up. <ol style="list-style-type: none"> 5. For about 20 seconds after a device starts up, SDK applications such as CAP might not be able to recognize whether Administrator Authentication or User Authentication is enabled or whether an admin or user has already logged in. Other changes: <ol style="list-style-type: none"> 1. When the operator switches from a non-SDK/J application to an SDK/J application, if one of the SDK/J applications has been set as the priority application, this application will be displayed first. 2. The tabs on the software keyboard can now be preset. 3. Card Authentication Package / Enhanced Locked Print NX ver.1.3 are now 		

Reissued: 20-Jun-11

Model: VM Option Type K		Date: 21-Apr-09	No.: RM354A01e
Version	Modified Points or Symptom Corrected		
	available.		
5.04-01	<p>Symptom corrected:</p> <ol style="list-style-type: none"> Users might not be logged out if both of the following conditions were met: <ol style="list-style-type: none"> The user had been logged in via Usercode Authentication. The operation panel was displaying the interface for the SDK/J applications such as Enhanced Locked Print NX or Global Scan NX. After recovering from Energy Saver mode the device is unable to switch between different SDK/J applications. The software keyboard appears and cannot be closed after accessing a SDK application. This issue may occur as the result of the following procedure: <ol style="list-style-type: none"> Open the software keyboard using a SDK application, such as GlobalScan NX. Press either the "OK" or the "Cancel" button on the software keyboard. Select a standard MFP application (ex. Copy, Print, etc). Select the SDK application again. The software keyboard will automatically appear, and cannot be closed. <p>Note: If the SDK application is busy processing a difficult task (such as a fax job for GlobalScan NX), the chances of this issue occurring will increase significantly.</p> There is a memory leak when an SDK application attempts to open a software keyboard but fails. This issue may occur as the result of the following procedure: <ol style="list-style-type: none"> Touch the user name field to open the software keyboard and input a user name. Attempt to open a second software keyboard in order to input a password. The keyboard will fail to open, and 350 bytes of memory will be leaked. <p>Once the issue develops, the software keyboard will not open again until the MFP is restarted.</p> An SC997 error will occur after logging out of the MFP, requiring a restart. Affected products Any 07A or 08S MFPs using GlobalScan NX SDK application version 1.1.1.0 or later. Conditions <ol style="list-style-type: none"> 07A models (R-C5, AL-C1, V-C2) and 08S models (DI-C1, AT-C2, AP-C2). When using any of the following Authentication methods: <ul style="list-style-type: none"> Admin Authentication User Authentication Basic code Authentication GlobalScan NX is running on the MFP. Users or Admins must repeatedly login and out of the device without cycling the power. The error will be thrown after a logout. Blank Screen After Changing Language Settings. If a user or administrator quickly changes a MFP's language settings using the User Tools/Counter/Inquiry screen, a confirmation message will appear, and the MFP's display panel will be blank after finishing settings when the settings screen was accessed when GlobalScan NX was the active screen. Reproduction Procedure: <ol style="list-style-type: none"> Open GlobalScan NX on the MFP. Open the User Tools/Counter/Inquiry screen, press the Language button, then press the Exit button quickly. 		

Reissued: 20-Jun-11

Model: VM Option Type K			Date: 21-Apr-09	No.: RM354A01e
Version	Modified Points or Symptom Corrected			
	3) "The language is switched." will appear on the display panel. This message only appears if the error has occurred. 4) The above message will automatically disappear, and the display panel will be blank. Other changes: The SDK application installation time-out has been changed from 90 seconds to 4 minutes.			
5.03-01	Symptom corrected: 1. Bundle start-up is delayed if the start level setting for automatic bundle start-up (Extended Features Settings menu in WIM) has been set to a large number. For example, if this setting is set to a value of "999999999", it can take tens of hours to perform the start-up. 2. SDK/J Ver5 allows the "BundleRepository" service bundle for the SDK/J platform to be removed via the Uninstall Additional Program screen in WIM (even though it should not be possible to remove such an essential bundle). As a result, an SDK/J platform start-up error occurs.			
5.02	1st Mass production			

Reissued: 20-Jun-11

Model: VM Option Type J	Date: 26-Jan-10	No.: RD463001g
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RTB Reissue

The items in bold italics have been corrected.

Subject: Firmware Release Note: VM Option Type J		Prepared by: K.Hamada	
From: 1st Overseas Tech Support Sec., 1st PQM Dept.			
Classification:	<input type="checkbox"/> Troubleshooting	<input type="checkbox"/> Part information	<input type="checkbox"/> Action required
	<input type="checkbox"/> Mechanical	<input type="checkbox"/> Electrical	<input type="checkbox"/> Service manual revision
	<input type="checkbox"/> Paper path	<input type="checkbox"/> Transmit/receive	<input type="checkbox"/> Retrofit information
	<input type="checkbox"/> Product Safety	<input checked="" type="checkbox"/> Other ()	<input checked="" type="checkbox"/> Tier 2

This RTB has been issued to announce the firmware release information for the **VM Option Type J**.

Version	Program No.	Effective Date
5.13.02	<i>D4635200L_upd</i>	<i>June 2011 production</i>
5.12.00	D4635200K_upd	November 2010 production
5.11.03	D4635200J_upd	October 2010 production
5.10.04	D4635200H_upd	July 2010 production
5.09.04	D4635200G_upd	June 2010 production
5.08-01	D4635200F_upd_01	January 2010 production
5.07-01	D3775911_V507-01	September 2009 production
5.04-01	D3775911_V504-01	March 2009 production
5.03-01	D3775911_V503-01	February 2009 production
5.02	-	1st Mass production

Version	Modified Points or Symptom Corrected
5.13.02	<i>Symptom corrected:</i> <ol style="list-style-type: none"> <i>Remote Manager v2 may not be able to communicate with the device if it takes more than 1 minute to assign the device an IP address via DHCP.</i> <i>Users are not logged out after pressing the "Logout" button on the "User Tools" screen when using CAP with basic authentication.</i> <i>If a user was logged in when the On/Off button is used to turn the device off, the "Cannot Logout" message is displayed the next time the On/Off button is used to turn the device on. The message is displayed even though the user has been logged out.</i> <i>SC997 can occur if an SDK application takes more than 15 seconds start up.</i> <i>An SSL connection cannot be established if a x509 certificate is used but contains a "CRL Distribution Point".</i> <i>Other changes:</i> <i>Support for eDC-i1.2 and Remote Install Manager V1.1 was added.</i>
5.12.00	Minor bug correction.
5.11.03	Fixed: The JavaVM would not update the DNS server address after the initial cache, which could eventually prevent the SDK application and DNS server from communicating.

Reissued: 20-Jun-11

Model: VM Option Type J		Date: 26-Jan-10	No.: RD463001g
Version	Modified Points or Symptom Corrected		
	Note: This issue does not affect the device's ability to communicate with the DNS server.		
5.10.04	Symptom corrected: <ol style="list-style-type: none"> 1. If the SD card slot specified for remote installation of a Type 2 (Java-based) SDK application does not exist on the target device, the application will be installed on a an SD card inserted in a different slot. 2. The Java VM may enter a deadlock state if one thread tries to close a thread that is waiting for I/O data. 3. The username used for Basic Authentication cannot be displayed correctly on the MFP's display panel if the username is 20 characters (bytes) long. 4. If the auto-off timer of the device is set to 1 minute and any SDK application is set to automatically start up, SC997 can occur. 5. The USB card reader may stop working if plugged in immediately after being unplugged. 		
5.09.04	Symptom corrected: <ol style="list-style-type: none"> 1. If the machine is turned off just after entering Energy Saver mode, it will not be able to enter Energy Saver mode from that point on (the SDK Java platform cannot be started). 2. Wording errors in the display messages used in the SDK application initial settings screen. 3. Installation fails if the FAT block of the SD card is less then 1024 bytes (1KB). 4. When the two processes listed below occur simultaneously, the MFP might enter Sleep mode. <ul style="list-style-type: none"> - The MFP tries to enter Energy Saver mode. - An SDK application (running on the same MFP) tries to prevent the MFP from entering Energy Saver mode. 5. When User Code Authentication is used by a MFP and an SDK application installed on that MFP, users are logged out of the SDK application if the MFP's embedded scanner application's destination registration function ("Prg. Dest." button) is used. 		
5.08-01	Other changes: Because App2Me Provider V1.5.0 has been added to only MFPs, this option has been separated from the one for LPs.		
5.07-01	Symptom corrected: <ol style="list-style-type: none"> 1. The displayed image may appear incomplete if the power button is pressed while using an SDK application that prohibits the machine from entering Energy Saver mode. 2. If the character string for one line of a display label is set to a length of 100 characters or more, it will appear on the operation panel as being directly connected with the following line. 3. Cannot exit the User Tools screen while displaying a JPEG image using an SDK/J application. 4. The device Start Key may become disabled when accessing an SDK/Type J application (e.g., GlobalScan NX). This issue may occur when using the default Java and SDK/Type J settings, and the following procedure is performed: <ol style="list-style-type: none"> 1) Turn on the device. 2) Switch from a device application to an SDK/Type J application after the Java VM has started-up. 		

Reissued: 20-Jun-11

Model: VM Option Type J		Date: 26-Jan-10	No.: RD463001g
Version	Modified Points or Symptom Corrected		
	<p>5. For about 20 seconds after a device starts up, SDK applications such as CAP might not be able to recognize whether Administrator Authentication or User Authentication is enabled or whether an admin or user has already logged in.</p> <p>Other changes:</p> <ol style="list-style-type: none"> 1. When the operator switches from a non-SDK/J application to an SDK/J application, if one of the SDK/J applications has been set as the priority application, this application will be displayed first. 2. The tabs on the software keyboard can now be preset. 3. Card Authentication Package / Enhanced Locked Print NX ver.1.3 are now available. 		
5.04-01	<p>Symptom corrected:</p> <ol style="list-style-type: none"> 1. Users might not be logged out if both of the following conditions were met: <ol style="list-style-type: none"> 1) The user had been logged in via Usercode Authentication. 2) The operation panel was displaying the interface for the SDK/J applications such as Enhanced Locked Print NX or Global Scan NX. 2. After recovering from Energy Saver mode the device is unable to switch between different SDK/J applications. 3. The software keyboard appears and cannot be closed after accessing a SDK application. <p>This issue may occur as the result of the following procedure:</p> <ol style="list-style-type: none"> 1) Open the software keyboard using a SDK application, such as GlobalScan NX. 2) Press either the "OK" or the "Cancel" button on the software keyboard. 3) Select a standard MFP application (ex. Copy, Print, etc). 4) Select the SDK application again. 5) The software keyboard will automatically appear, and cannot be closed. <p>Note: If the SDK application is busy processing a difficult task (such as a fax job for GlobalScan NX), the chances of this issue occurring will increase significantly.</p> <ol style="list-style-type: none"> 4. There is a memory leak when an SDK application attempts to open a software keyboard but fails. <p>This issue may occur as the result of the following procedure:</p> <ol style="list-style-type: none"> 1) Touch the user name field to open the software keyboard and input a user name. 2) Attempt to open a second software keyboard in order to input a password. 3) The keyboard will fail to open, and 350 bytes of memory will be leaked. Once the issue develops, the software keyboard will not open again until the MFP is restarted. <ol style="list-style-type: none"> 5. An SC997 error will occur after logging out of the MFP, requiring a restart. <p>Affected products</p> <p>Any 07A or 08S MFPs using GlobalScan NX SDK application version 1.1.1.0 or later.</p> <p>Conditions</p> <ol style="list-style-type: none"> 1) 07A models (R-C5, AL-C1, V-C2) and 08S models (DI-C1, AT-C2, AP-C2). 2) When using any of the following Authentication methods: <ul style="list-style-type: none"> - Admin Authentication 		

Reissued: 20-Jun-11

Model: VM Option Type J		Date: 26-Jan-10	No.: RD463001g
Version	Modified Points or Symptom Corrected		
	<ul style="list-style-type: none"> - User Authentication - Basic code Authentication <p>3) GlobalScan NX is running on the MFP.</p> <p>4) Users or Admins must repeatedly login and out of the device without cycling the power. The error will be thrown after a logout.</p> <p>6. Blank Screen After Changing Language Settings. If a user or administrator quickly changes a MFP's language settings using the User Tools/Counter/Inquiry screen, a confirmation message will appear, and the MFP's display panel will be blank after finishing settings when the settings screen was accessed when GlobalScan NX was the active screen. Reproduction Procedure:</p> <ol style="list-style-type: none"> 1) Open GlobalScan NX on the MFP. 2) Open the User Tools/Counter/Inquiry screen, press the Language button, then press the Exit button quickly. 3) "The language is switched." will appear on the display panel. This message only appears if the error has occurred. 4) The above message will automatically disappear, and the display panel will be blank. <p>Other changes: The SDK application installation time-out has been changed from 90 seconds to 4 minutes.</p>		
5.03-01	<p>Symptom corrected:</p> <ol style="list-style-type: none"> 1. Bundle start-up is delayed if the start level setting for automatic bundle start-up (Extended Features Settings menu in WIM) has been set to a large number. For example, if this setting is set to a value of "999999999", it can take tens of hours to perform the start-up. 2. SDK/J Ver5 allows the "BundleRepository" service bundle for the SDK/J platform to be removed via the Uninstall Additional Program screen in WIM (even though it should not be possible to remove such an essential bundle). As a result, an SDK/J platform start-up error occurs. 		
5.02	1st Mass production		

Reissued: 25-Oct-11

Model: VM Option Type K	Date: 20-Jul-11	No.: RM354002a
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Subject: Firmware Release Note: (Java VM v5 for eDC)		Prepared by: H.Tamaki	
From: MFP/Printer Tech Service Dept., 1st Tech Service S			
Classification:	<input type="checkbox"/> Troubleshooting	<input type="checkbox"/> Part information	<input type="checkbox"/> Action required
	<input type="checkbox"/> Mechanical	<input type="checkbox"/> Electrical	<input type="checkbox"/> Service manual revision
	<input type="checkbox"/> Paper path	<input type="checkbox"/> Transmit/receive	<input type="checkbox"/> Retrofit information
	<input type="checkbox"/> Product Safety	<input checked="" type="checkbox"/> Other (Firmware)	<input checked="" type="checkbox"/> Tier 2

This RTB has been issued to announce the firmware release information for the **Java VM v5 for eDC**.

Version	Program No.	Effective Date
5.13.02	D4635200L_edc	June 2011 production

Version	Modified Points or Symptom Corrected
5.13.02	<i>RTB [RM354002] takes over to the following RTB [RD463002]. Since the management number was incorrect.</i>
5.13.02	Initial release

Reissued: 15-Nov-11

Model: VM Option Type K	Date: 20-Jul-11	No.: RM354003a
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RTB Reissue

The items in ***bold italics*** have been corrected.

Subject: Firmware Release Note: (Java VM v5 for eDC)		Prepared by: H. Tamaki	
From: MFP/Printer Tech Service Dept., 1st Tech Service Sect.			
Classification:	<input type="checkbox"/> Troubleshooting <input type="checkbox"/> Mechanical <input type="checkbox"/> Paper path <input type="checkbox"/> Product Safety	<input type="checkbox"/> Part information <input type="checkbox"/> Electrical <input type="checkbox"/> Transmit/receive <input checked="" type="checkbox"/> Other (Firmware)	<input type="checkbox"/> Action required <input type="checkbox"/> Service manual revision <input type="checkbox"/> Retrofit information <input checked="" type="checkbox"/> Tier 2

This RTB has been issued to announce the firmware release information for the **Java VM v5 for eDC**.

Version	Program No.	Effective Date
5.14.02	<i>M3545800P_edc</i>	<i>November 2011 production</i>
5.13.02	M3545800N_edc	June 2011 production

Version	Modified Points or Symptom Corrected
5.14.02	<p><i>*This module is for Remote Install Manager and updating JavaVM.</i></p> <p><i>Symptom corrected:</i></p> <ol style="list-style-type: none"> <i>1. SDK/J starting logo screen does not change.</i> <i>2. Vulnerability to the re-negotiation of SSL/TLS .</i> <i>3. Multi installation to HDD fails for VM card Type-C applications.</i> <i>4. Other minor bug corrections.</i> <p><i>Other changes:</i></p> <ol style="list-style-type: none"> <i>1. Kerberos certification corresponding to RC4-HMAC code form.</i> <i>2. VM card Type-C application remote installation.</i>
5.13.02	Initial release

Reissued: 15-Nov-11

Model: VM Option Type J	Date: 25-Oct-11	No.: RD463002a
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Subject: Firmware Release Note: (Java VM v5 for eDC)		Prepared by: H.Tamaki	
From: MFP/Printer Tech Service Dept., 1st Tech Service S			
Classification:	<input type="checkbox"/> Troubleshooting	<input type="checkbox"/> Part information	<input type="checkbox"/> Action required
	<input type="checkbox"/> Mechanical	<input type="checkbox"/> Electrical	<input type="checkbox"/> Service manual revision
	<input type="checkbox"/> Paper path	<input type="checkbox"/> Transmit/receive	<input type="checkbox"/> Retrofit information
	<input type="checkbox"/> Product Safety	<input checked="" type="checkbox"/> Other (Firmware)	<input checked="" type="checkbox"/> Tier 2

This RTB has been issued to announce the firmware release information for the **Java VM v5 for eDC**.

Version	Program No.	Effective Date
5.14.02	D4635200M_edc	November 2011 production
5.13.02	D4635200L_edc	June 2011 production

Version	Modified Points or Symptom Corrected
5.14.02	<p><i>*This module is for Remote Install Manager and updating Java VM.</i></p> <p><i>Symptom corrected:</i></p> <ol style="list-style-type: none"> <i>1. SDK/J starting logo screen does not change.</i> <i>2. Vulnerability to the re-negotiation of SSL/TLS.</i> <i>3. Multi installation to HDD fails for VM card Type-C applications.</i> <i>4. Other minor bug corrections.</i> <p><i>Other changes:</i></p> <ol style="list-style-type: none"> <i>1. Kerberos certification corresponding to RC4-HMAC code form.</i> <i>2. VM card Type-C application remote installation.</i>
5.13.02	Initial release

Reissued: 21-Nov-11

Model: VM Option Type J	Date: 26-Jan-10	No.: RD463001h
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RTB Reissue

The items in bold italics have been corrected.

Subject: Firmware Release Note: VM Option Type J		Prepared by: H. Tamaki	
From: 1st Tech Service Sect., MFP/Printer Tech Service Dept			
Classification:	<input type="checkbox"/> Troubleshooting <input type="checkbox"/> Mechanical <input type="checkbox"/> Paper path <input type="checkbox"/> Product Safety	<input type="checkbox"/> Part information <input type="checkbox"/> Electrical <input type="checkbox"/> Transmit/receive <input checked="" type="checkbox"/> Other ()	<input type="checkbox"/> Action required <input type="checkbox"/> Service manual revision <input type="checkbox"/> Retrofit information <input checked="" type="checkbox"/> Tier 2

This RTB has been issued to announce the firmware release information for the **VM Option Type J**.

Version	Program No.	Effective Date
5.14.02	<i>D4635200M_upd</i>	<i>November 2011 production</i>
5.13.02	D4635200L_upd	June 2011 production
5.12.00	D4635200K_upd	November 2010 production
5.11.03	D4635200J_upd	October 2010 production
5.10.04	D4635200H_upd	July 2010 production
5.09.04	D4635200G_upd	June 2010 production
5.08-01	D4635200F_upd_01	January 2010 production
5.07-01	D3775911_V507-01	September 2009 production
5.04-01	D3775911_V504-01	March 2009 production
5.03-01	D3775911_V503-01	February 2009 production
5.02	-	1st Mass production

Version	Modified Points or Symptom Corrected
5.14.02	<i>Symptom corrected:</i> <ol style="list-style-type: none"> <i>SDK/J starting logo screen does not change.</i> <i>Vulnerability to the re-negotiation of SSL/TLS.</i> <i>Multi installation to HDD fails for VM card Type-C applications.</i> <i>Other minor bug corrections.</i> <i>Other changes:</i> <ol style="list-style-type: none"> <i>Kerberos certification corresponding to RC4-HMAC code form.</i> <i>VM card Type-C application remote installation.</i>
5.13.02	Symptom corrected: <ol style="list-style-type: none"> Remote Manager v2 may not be able to communicate with the device if it takes more than 1 minute to assign the device an IP address via DHCP. Users are not logged out after pressing the "Logout" button on the "User Tools" screen when using CAP with basic authentication. If a user was logged in when the On/Off button is used to turn the device off, the "Cannot Logout" message is displayed the next time the On/Off button is used to turn the device on. The message is displayed even though the user has been logged out. SC997 can occur if an SDK application takes more than 15 seconds start up. An SSL connection cannot be established if a x509 certificate is used but

Reissued: 21-Nov-11

Model: VM Option Type J		Date: 26-Jan-10	No.: RD463001h
Version	Modified Points or Symptom Corrected		
	contains a "CRL Distribution Point".		
	Other changes: Support for eDC-i1.2 and Remote Install Manager V1.1 was added.		
5.12.00	Minor bug correction.		
5.11.03	Fixed: The JavaVM would not update the DNS server address after the initial cache, which could eventually prevent the SDK application and DNS server from communicating.		
	Note: This issue does not affect the device's ability to communicate with the DNS server.		
5.10.04	Symptom corrected: <ol style="list-style-type: none"> 1. If the SD card slot specified for remote installation of a Type 2 (Java-based) SDK application does not exist on the target device, the application will be installed on a an SD card inserted in a different slot. 2. The Java VM may enter a deadlock state if one thread tries to close a thread that is waiting for I/O data. 3. The username used for Basic Authentication cannot be displayed correctly on the MFP's display panel if the username is 20 characters (bytes) long. 4. If the auto-off timer of the device is set to 1 minute and any SDK application is set to automatically start up, SC997 can occur. 5. The USB card reader may stop working if plugged in immediately after being unplugged. 		
5.09.04	Symptom corrected: <ol style="list-style-type: none"> 1. If the machine is turned off just after entering Energy Saver mode, it will not be able to enter Energy Saver mode from that point on (the SDK Java platform cannot be started). 2. Wording errors in the display messages used in the SDK application initial settings screen. 3. Installation fails if the FAT block of the SD card is less then 1024 bytes (1KB). 4. When the two processes listed below occur simultaneously, the MFP might enter Sleep mode. <ul style="list-style-type: none"> - The MFP tries to enter Energy Saver mode. - An SDK application (running on the same MFP) tries to prevent the MFP from entering Energy Saver mode. 5. When User Code Authentication is used by a MFP and an SDK application installed on that MFP, users are logged out of the SDK application if the MFP's embedded scanner application's destination registration function ("Prg. Dest." button) is used. 		
5.08-01	Other changes: Because App2Me Provider V1.5.0 has been added to only MFPs, this option has been separated from the one for LPs.		
5.07-01	Symptom corrected: <ol style="list-style-type: none"> 1. The displayed image may appear incomplete if the power button is pressed while using an SDK application that prohibits the machine from entering Energy Saver mode. 2. If the character string for one line of a display label is set to a length of 100 characters or more, it will appear on the operation panel as being directly connected with the following line. 		

Reissued: 21-Nov-11

Model: VM Option Type J		Date: 26-Jan-10	No.: RD463001h
Version	Modified Points or Symptom Corrected		
	<ol style="list-style-type: none"> Cannot exit the User Tools screen while displaying a JPEG image using an SDK/J application. The device Start Key may become disabled when accessing an SDK/Type J application (e.g., GlobalScan NX). This issue may occur when using the default Java and SDK/Type J settings, and the following procedure is performed: <ol style="list-style-type: none"> Turn on the device. Switch from a device application to an SDK/Type J application after the Java VM has started-up. For about 20 seconds after a device starts up, SDK applications such as CAP might not be able to recognize whether Administrator Authentication or User Authentication is enabled or whether an admin or user has already logged in. <p>Other changes:</p> <ol style="list-style-type: none"> When the operator switches from a non-SDK/J application to an SDK/J application, if one of the SDK/J applications has been set as the priority application, this application will be displayed first. The tabs on the software keyboard can now be preset. Card Authentication Package / Enhanced Locked Print NX ver.1.3 are now available. 		
5.04-01	<p>Symptom corrected:</p> <ol style="list-style-type: none"> Users might not be logged out if both of the following conditions were met: <ol style="list-style-type: none"> The user had been logged in via Usercode Authentication. The operation panel was displaying the interface for the SDK/J applications such as Enhanced Locked Print NX or Global Scan NX. After recovering from Energy Saver mode the device is unable to switch between different SDK/J applications. The software keyboard appears and cannot be closed after accessing a SDK application. This issue may occur as the result of the following procedure: <ol style="list-style-type: none"> Open the software keyboard using a SDK application, such as GlobalScan NX. Press either the "OK" or the "Cancel" button on the software keyboard. Select a standard MFP application (ex. Copy, Print, etc). Select the SDK application again. The software keyboard will automatically appear, and cannot be closed. <p>Note: If the SDK application is busy processing a difficult task (such as a fax job for GlobalScan NX), the chances of this issue occurring will increase significantly.</p> There is a memory leak when an SDK application attempts to open a software keyboard but fails. This issue may occur as the result of the following procedure: <ol style="list-style-type: none"> Touch the user name field to open the software keyboard and input a user name. Attempt to open a second software keyboard in order to input a password. The keyboard will fail to open, and 350 bytes of memory will be leaked. Once the issue develops, the software keyboard will not open again until the MFP is restarted. 		

Reissued: 21-Nov-11

Model: VM Option Type J		Date: 26-Jan-10	No.: RD463001h
Version	Modified Points or Symptom Corrected		
	<p>5. An SC997 error will occur after logging out of the MFP, requiring a restart. Affected products Any 07A or 08S MFPs using GlobalScan NX SDK application version 1.1.1.0 or later. Conditions 1) 07A models (R-C5, AL-C1, V-C2) and 08S models (DI-C1, AT-C2, AP-C2). 2) When using any of the following Authentication methods: - Admin Authentication - User Authentication - Basic code Authentication 3) GlobalScan NX is running on the MFP. 4) Users or Admins must repeatedly login and out of the device without cycling the power. The error will be thrown after a logout.</p> <p>6. Blank Screen After Changing Language Settings. If a user or administrator quickly changes a MFP's language settings using the User Tools/Counter/Inquiry screen, a confirmation message will appear, and the MFP's display panel will be blank after finishing settings when the settings screen was accessed when GlobalScan NX was the active screen. Reproduction Procedure: 1) Open GlobalScan NX on the MFP. 2) Open the User Tools/Counter/Inquiry screen, press the Language button, then press the Exit button quickly. 3) "The language is switched." will appear on the display panel. This message only appears if the error has occurred. 4) The above message will automatically disappear, and the display panel will be blank.</p> <p>Other changes: The SDK application installation time-out has been changed from 90 seconds to 4 minutes.</p>		
5.03-01	<p>Symptom corrected:</p> <ol style="list-style-type: none"> 1. Bundle start-up is delayed if the start level setting for automatic bundle start-up (Extended Features Settings menu in WIM) has been set to a large number. For example, if this setting is set to a value of "999999999", it can take tens of hours to perform the start-up. 2. SDK/J Ver5 allows the "BundleRepository" service bundle for the SDK/J platform to be removed via the Uninstall Additional Program screen in WIM (even though it should not be possible to remove such an essential bundle). As a result, an SDK/J platform start-up error occurs. 		
5.02	1st Mass production		

Reissued: 21-Nov-11

Model: VM Option Type K	Date: 21-Apr-09	No.: RM354A01f
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RTB Reissue

The items in bold italics have been corrected.

Subject: Firmware Release Note: VM Option Type K		Prepared by: H. Tamaki	
From: 1st Tech Service Sect., MFP/Printer Tech Service Dept			
Classification:	<input type="checkbox"/> Troubleshooting	<input type="checkbox"/> Part information	<input type="checkbox"/> Action required
	<input type="checkbox"/> Mechanical	<input type="checkbox"/> Electrical	<input type="checkbox"/> Service manual revision
	<input type="checkbox"/> Paper path	<input type="checkbox"/> Transmit/receive	<input type="checkbox"/> Retrofit information
	<input type="checkbox"/> Product Safety	<input checked="" type="checkbox"/> Other ()	<input checked="" type="checkbox"/> Tier 2

This RTB has been issued to announce the firmware release information for the **VM Option Type K**.

Version	Program No.	Effective Date
5.14.02	<i>M3545800P_upd</i>	<i>November 2011 production</i>
5.13.02	M3545800N_upd	June 2011 production
5.12.00	M3545800M_upd	November 2010 production
5.11.03	M3545800L_upd	October 2010 production
5.10.04	M3545800K_upd	July 2010 production
5.09.04	M3545800J_upd	June 2010 production
5.08-01	M3545800H_upd_01	January 2010 production
5.07-01	D3775911_V507-01	September 2009 production
5.04-01	D3775911_V504-01	March 2009 production
5.03-01	D3775911_V503-01	February 2009 production
5.02	-	1st Mass production

Version	Modified Points or Symptom Corrected
5.14.02	<p><i>Symptom corrected:</i></p> <ol style="list-style-type: none"> <i>SDK/J starting logo screen does not change.</i> <i>Vulnerability to the re-negotiation of SSL/TLS.</i> <i>Multi installation to HDD fails for VM card Type-C applications.</i> <i>Other minor bug corrections.</i> <p><i>Other changes:</i></p> <ol style="list-style-type: none"> <i>Kerberos certification corresponding to RC4-HMAC code form.</i> <i>VM card Type-C application remote installation.</i>
5.13.02	<p>Symptom corrected:</p> <ol style="list-style-type: none"> Remote Manager v2 may not be able to communicate with the device if it takes more than 1 minute to assign the device an IP address via DHCP. Users are not logged out after pressing the "Logout" button on the "User Tools" screen when using CAP with basic authentication. If a user was logged in when the On/Off button is used to turn the device off, the "Cannot Logout" message is displayed the next time the On/Off button is used to turn the device on. The message is displayed even though the user has been logged out. SC997 can occur if an SDK application takes more than 15 seconds start up. An SSL connection cannot be established if a x509 certificate is used but

Reissued: 21-Nov-11

Model: VM Option Type K		Date: 21-Apr-09	No.: RM354A01f
Version	Modified Points or Symptom Corrected		
	contains a "CRL Distribution Point".		
	Other changes: Support for eDC-i1.2 and Remote Install Manager V1.1 was added.		
5.12.00	Minor bug correction.		
5.11.03	Fixed: The JavaVM would not update the DNS server address after the initial cache, which could eventually prevent the SDK application and DNS server from communicating.		
	Note: This issue does not affect the device's ability to communicate with the DNS server.		
5.10.04	Symptom corrected: 1. SD card slot specified for remote installation of a Type 2 (Java-based) SDK application does not exist on the target device, the application will be installed on a an SD card inserted in a different slot. 2. The Java VM may enter a deadlock state if one thread tries to close a thread that is waiting for I/O data. 3. The username used for Basic Authentication cannot be displayed correctly on the MFP's display panel if the username is 20 characters (bytes) long. 4. If the auto-off timer of the device is set to 1 minute and any SDK application is set to automatically start up, SC997 can occur. 5. The USB card reader may stop working if plugged in immediately after being unplugged.		
5.09.04	Symptom corrected: 1. If the machine is turned off just after entering Energy Saver mode, it will not be able to enter Energy Saver mode from that point on (the SDK Java platform cannot be started). 2. Wording errors in the display messages used in the SDK application initial settings screen. 3. Installation fails if the FAT block of the SD card is less then 1024 bytes (1KB).		
5.08-01	Other changes: Because App2Me Provider V1.5.0 has been added to only MFPs, this option has been separated from the one for MFPs.		
5.07-01	Symptom corrected: 1. The displayed image may appear incomplete if the power button is pressed while using an SDK application that prohibits the machine from entering Energy Saver mode. 2. If the character string for one line of a display label is set to a length of 100 characters or more, it will appear on the operation panel as being directly connected with the following line. 3. Cannot exit the User Tools screen while displaying a JPEG image using an SDK/J application. 4. The device Start Key may become disabled when accessing an SDK/Type J application (e.g., GlobalScan NX). This issue may occur when using the default Java and SDK/Type J settings, and the following procedure is performed: 1) Turn on the device. 2) Switch from a device application to an SDK/Type J application after the Java VM has started-up. 5. For about 20 seconds after a device starts up, SDK applications such as CAP		

Reissued: 21-Nov-11

Model: VM Option Type K		Date: 21-Apr-09	No.: RM354A01f
Version	Modified Points or Symptom Corrected		
	<p>might not be able to recognize whether Administrator Authentication or User Authentication is enabled or whether an admin or user has already logged in.</p> <p>Other changes:</p> <ol style="list-style-type: none"> 1. When the operator switches from a non-SDK/J application to an SDK/J application, if one of the SDK/J applications has been set as the priority application, this application will be displayed first. 2. The tabs on the software keyboard can now be preset. 3. Card Authentication Package / Enhanced Locked Print NX ver.1.3 are now available. 		
5.04-01	<p>Symptom corrected:</p> <ol style="list-style-type: none"> 1. Users might not be logged out if both of the following conditions were met: <ol style="list-style-type: none"> 1) The user had been logged in via Usercode Authentication. 2) The operation panel was displaying the interface for the SDK/J applications such as Enhanced Locked Print NX or Global Scan NX. 2. After recovering from Energy Saver mode the device is unable to switch between different SDK/J applications. 3. The software keyboard appears and cannot be closed after accessing a SDK application. <p>This issue may occur as the result of the following procedure:</p> <ol style="list-style-type: none"> 1) Open the software keyboard using a SDK application, such as GlobalScan NX. 2) Press either the "OK" or the "Cancel" button on the software keyboard. 3) Select a standard MFP application (ex. Copy, Print, etc). 4) Select the SDK application again. 5) The software keyboard will automatically appear, and cannot be closed. <p>Note: If the SDK application is busy processing a difficult task (such as a fax job for GlobalScan NX), the chances of this issue occurring will increase significantly.</p> <ol style="list-style-type: none"> 4. There is a memory leak when an SDK application attempts to open a software keyboard but fails. <p>This issue may occur as the result of the following procedure:</p> <ol style="list-style-type: none"> 1) Touch the user name field to open the software keyboard and input a user name. 2) Attempt to open a second software keyboard in order to input a password. 3) The keyboard will fail to open, and 350 bytes of memory will be leaked. <p>Once the issue develops, the software keyboard will not open again until the MFP is restarted.</p> <ol style="list-style-type: none"> 5. An SC997 error will occur after logging out of the MFP, requiring a restart. <p>Affected products</p> <p>Any 07A or 08S MFPs using GlobalScan NX SDK application version 1.1.1.0 or later.</p> <p>Conditions</p> <ol style="list-style-type: none"> 1) 07A models (R-C5, AL-C1, V-C2) and 08S models (DI-C1, AT-C2, AP-C2). 2) When using any of the following Authentication methods: <ul style="list-style-type: none"> - Admin Authentication - User Authentication - Basic code Authentication 3) GlobalScan NX is running on the MFP. 4) Users or Admins must repeatedly login and out of the device without cycling the power. The error will be thrown after a logout. 		

Reissued: 21-Nov-11

Model: VM Option Type K		Date: 21-Apr-09	No.: RM354A01f
Version	Modified Points or Symptom Corrected		
	<p>6. Blank Screen After Changing Language Settings. If a user or administrator quickly changes a MFP's language settings using the User Tools/Counter/Inquiry screen, a confirmation message will appear, and the MFP's display panel will be blank after finishing settings when the settings screen was accessed when GlobalScan NX was the active screen.</p> <p>Reproduction Procedure:</p> <ol style="list-style-type: none"> 1) Open GlobalScan NX on the MFP. 2) Open the User Tools/Counter/Inquiry screen, press the Language button, then press the Exit button quickly. 3) "The language is switched." will appear on the display panel. This message only appears if the error has occurred. 4) The above message will automatically disappear, and the display panel will be blank. <p>Other changes: The SDK application installation time-out has been changed from 90 seconds to 4 minutes.</p>		
5.03-01	<p>Symptom corrected:</p> <ol style="list-style-type: none"> 1. Bundle start-up is delayed if the start level setting for automatic bundle start-up (Extended Features Settings menu in WIM) has been set to a large number. For example, if this setting is set to a value of "999999999", it can take tens of hours to perform the start-up. 2. SDK/J Ver5 allows the "BundleRepository" service bundle for the SDK/J platform to be removed via the Uninstall Additional Program screen in WIM (even though it should not be possible to remove such an essential bundle). As a result, an SDK/J platform start-up error occurs. 		
5.02	1st Mass production		