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# ME7873F/L/LA,ME7834A/L/LA, ME7800L System PC Security Update against WannaCrypt Ransomware — Installation Instructions —

## 1 Overview


This document describes instructions for installing the security update against the WannaCrypt\* (ransomware) worm to the Windows OS installed in the system PC (Control PC, User Operation PC or Server PC) for the ME7873F/L/LA, ME7834A/L/LA, and ME7800L.

\*WannaCrypt is also known as WannaCry, WannaCryptor or Wcry.

If the system PC (Control PC, User Operation PC or Server PC) is already infected by WannaCrypt, contact the Anritsu Technical Support how to initialize it to the condition at factory shipment.

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### 3 Instructions

#### 3.1 Preparing

##### 1. Equipment needed for installation

The following equipment is needed for installing the update.

- Internet-connected personal computer other than the system PC (hereafter, “Internet-connected PC”)
- USB flash memory that can be mounted on both the system PC and the Internet-connected PC.

The USB flash memory must not have any security management function.

**Note:**

**Scan and confirm that the Internet-connected PC and USB flash memory are not infected by any malware.**

##### 2. Backing-up important files

We recommend creating a backup of important data to external storage of the system PC such as USB flash memory to guard against data loss problems when installing the update.

**Note:**

**Anritsu will not be held liable for loss of data on the storage device in the system PC.**

### 3.2 Obtaining Update

Download the correct update from Microsoft’s homepage.  
Use the Internet-connected PC to download the update.

This section describes the Internet-connected PC’s operation for downloading.

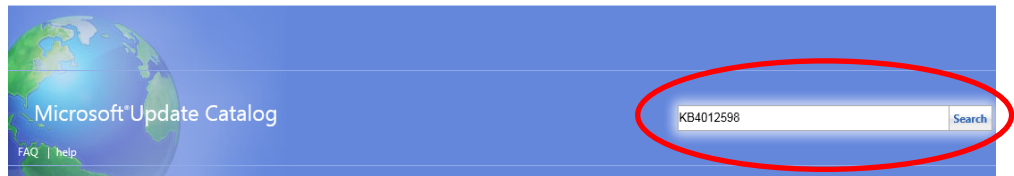
**Note:**

**DO NOT connect the system PC (Control PC, User Operation PC, or Server PC) directly to the Internet to download the update.**

1. Access the following page and download the update against WannaCrypt for the Windows OS installed in the system PC.

<http://www.catalog.update.microsoft.com/Home.aspx>

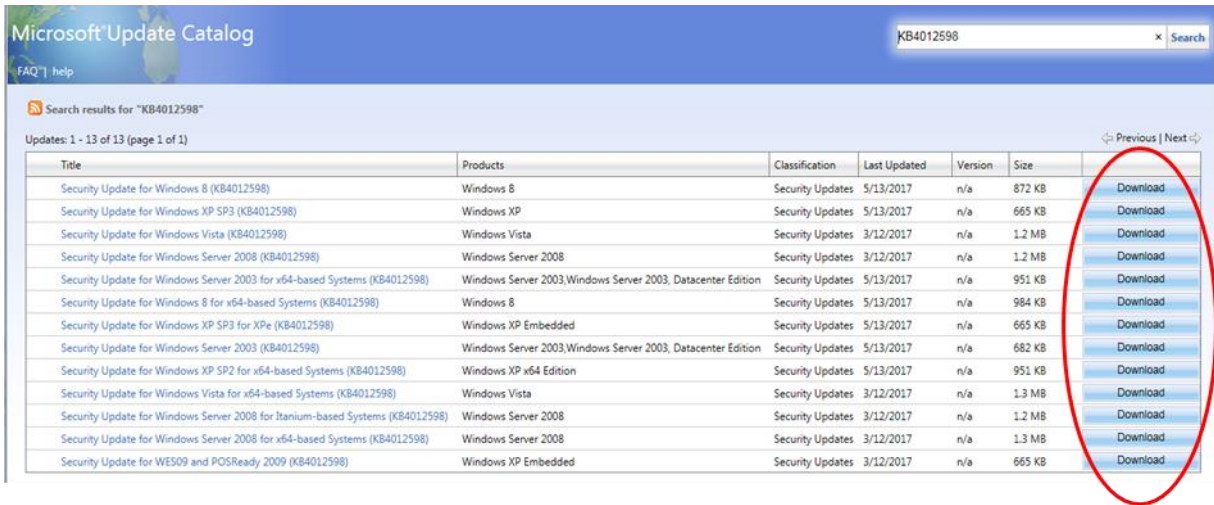
Input KB number for the system PC and the Windows OS installed in it in the following box and click “Search”.



Refer to the following table for the system PC and the Windows OS installed in it.

Model	PC	OS	Edition	KB number
ME7873F ME7834A/L/LA	Control PC	Windows 7	x64	KB4012212
ME7873L/LA	User Operation PC			
ME7834A/L/LA	Server PC			
ME7873L	Server PC	Windows Server 2008	x86	KB4012598
ME7873L/LA	Server PC	Windows Server 2008	x64	KB4012598
ME7873L/LA	Server PC	Windows Server 2008 R2	x64	KB4012212
ME7873LA	Server PC	Windows Server 2012 R2	x64	KB4012213
ME7873LA	User Operation PC	Windows 10 Version 1607	x64	KB4013429
ME7800L	Control PC	Windows 10 Version 1507	x64	KB4012606
ME7800L	Control PC	Windows 10 Version 1511	x64	KB4013198
ME7873LA	Control PC	Windows 10 Version 1607	x64	KB4013429

- At the displayed catalog page, click “Download” the update for the system PC and the Windows OS installed in it.



OS	Edition	KB number	Title
Windows 7	x64	KB4012212	March, 2017 Security Only Quality Update for Windows 7 for x64-based Systems (KB4012212)
Windows Server 2008	x86	KB4012598	Security Update for Windows Server 2008 (KB4012598)
Windows Server 2008	x64	KB4012598	Security Update for Windows Server 2008 for x64-based Systems (KB4012598)
Windows Server 2008 R2	x64	KB4012212	March, 2017 Security Only Quality Update for Windows Server 2008 R2 for x64-based Systems (KB4012212)
Windows Server 2012 R2	x64	KB4012213	March, 2017 Security Only Quality Update for Windows Server 2012 R2 (KB4012213)
Windows 10 Version 1507	x64	KB4012606	Cumulative Update for Windows 10 for x64-based Systems (KB4012606)
Windows 10 Version 1511	x64	KB4013198	Cumulative Update for Windows 10 Version 1511 for x64-based Systems (KB4013198)
Windows 10 Version 1607	x64	KB4013429	2017-03 Delta Update for Windows 10 Version 1607 for x64-based Systems (KB4013429)

3. At the Download screen, click the file name and save the file to the Internet-connected PC.  
Copy the file to USB flash memory.

**Note:**

**If the language selection dialog is displayed, select the file under “English”.**



### 3.3 Preparing for Installation

First, logon directly to the PC's desktop if the system PC is a 'Control PC' or 'User Operation PC'. Otherwise, logon to the target Server PC's desktop through 'Remote Desktop Connection' on a User Operation PC.

### 3.4 Installing Update in the System PC

1. Copy the update downloaded as described in section 3.2 “Obtaining Update” to USB flash memory and then plug this memory into the system PC USB port.
2. Quit all applications running on the system PC.
3. Copy the file to the desktop of the system PC.  
After copying, unmount the USB flash memory from the desktop.

**Note:**

**Unmount the USB flash memory by clicking the USB Eject icon on the taskbar at the bottom right of the screen and then remove the USB flash memory from the USB port.**

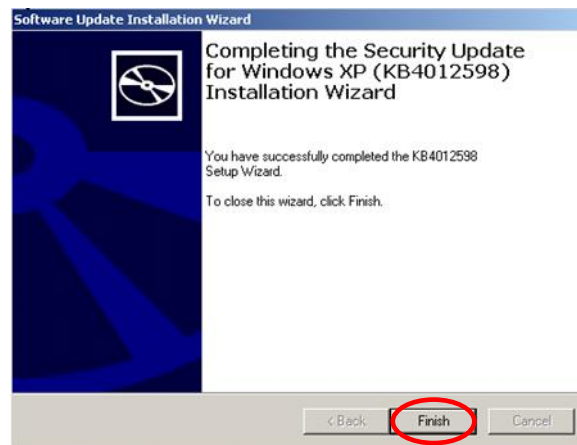
4. Install the update.

Double-click the copied file.

The update program will launch. Follow the displayed instructions to continue installation.

After the installation, the following window is displayed. Check “Finish”.

(The following dialog box is a sample)

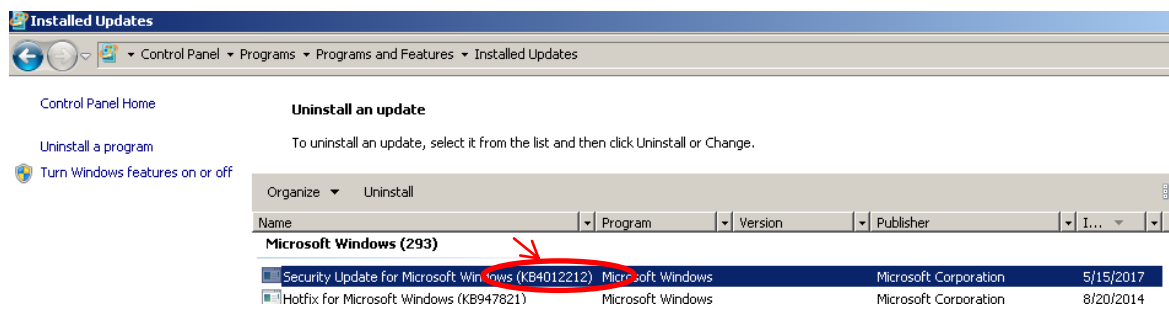


5. After installation completes, restart Windows. If the installer does not appear, restart Windows from the Start menu.

### 3.5 Confirming Update after Installation

Confirm the installation of the update.

1. Click “Start” on the Windows taskbar and select “Control Panel”.  
If the system PC is running Windows 10, right-click the “Start” of the Windows taskbar and select “Control Panel” from the displayed menu.
2. Select “View installed updates” in the displayed items when selecting “Programs” (Windows Server 2008) or “Programs and Features” (Other than Windows Server 2008).
3. Confirm the presence of the KB number update selected in 3.2 “Obtaining Update”. (The following figure is a sample).



4. Delete the update file.  
When the installation is confirmed, the copied file is not needed. Delete it from the desktop.

## 4 Other Notes

### ■ System Recovery

If System Recovery is executed after installing this update, re-install this update as described in section 3 “Instructions”.

### ■ Contact

For questions about these instructions, update installation failures or unclear points, contact Anritsu Technical Support.

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