

*** REVIVE works in the following order:**

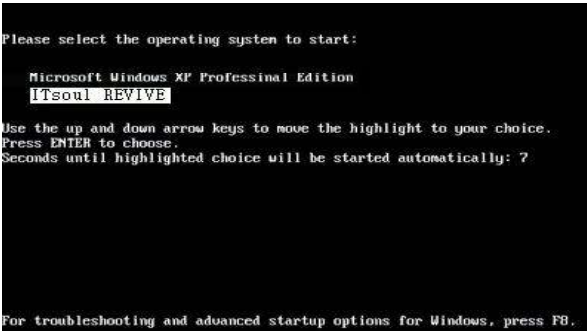
1. In case of executing on BIOS(USB Booting)

- a. Plug a USB device to a computer.
- b. Turn on the computer
- c. Boot from the USB device.
: Refer to <http://recoveryos.com/bios.html>
: Contact to PC's manufacturer or refer to **Boot from a USB device section.**
- d. Select either Back-up or recovery depending on REVIVE menu.
- e. The computer will be automatically turned off upon completion of the job.

2. In case of executing on windows

2-1. Execute ITsoulREVIVestart_nobios :

- @ Note : Your boot menu is modified permanently as the following image.
[b - d] Steps initially execute only once
- a. Plug a USB device to a computer(on working windows).
 - b. Execute ITsoulREVIVestart_nobios.exe from usb drive.
 - c. Click "AUTO-START REVIVE" button from ITsoulREVIVestart_nobios program.
 - d. After a while, A computer reboot and shows the following image.



- e. Choose 'ITsoul REVIVE' and Enter.
- f. Select either Back-up or recovery depending on REVIVE menu.
- g. The computer will be automatically turned off upon completion of the job.

*** ATTENTION**

In case of "MBR sector" or harddisk's physical damage, You can't use this function.

Instead of that, Using [USB Booting] -> <http://recoveryos.com/bios.html>

@ If you can't execute ITsoulREVIVestart.exe, Check the following :
In case of Windows XP, Microsoft .net framework 2.0(x86) (or over) must be installed.
In case of Vista, Windows7, You must execute as Administrator.

*** Boot from a USB device.**

All USB devices herein such as a USB storage device, a USB HDD, a USB disk, etc. are considered as the same USB device. The below mentioned LG XTIC is a USB device used as a sample for REVIVE. Therefore, select an appropriate model name instead of LG XTIC upon your device.

1. Using a quick booting

Turn on computer and immediately press a quick booting key (i.e. F12, ESC, ...) to select a booting device from the list. Choose a USB storage device or USB model name (i.e. LG XTIC) and press Enter. A quick booting menu statement will appear on the top or bottom area of the screen when the computer is turning on, i.e. "F12 = Boot menu" or "Press F11 key to run Boot Menu". A booting menu key may vary upon a manufacturer or by main board models.

Example)

- Dell series : F12 -> Usb Storage Device -> Enter
- Dell inspiron series : ESC -> USB Storage -> Enter
- SAMSUNG : ESC -> USB HDD : LG XTIC -> Enter
- LG : F11 -> LG XTIC(USB disk) -> Enter
- HP : F9 -> LG XTIC(USB disk) -> Enter
- TG(AVERATEC) : F11 -> USB:(LG XTIC) -> Enter
- Asus : F8 -> USB:(LG XTIC) -> Enter
- MSI : F11 -> USB HDD -> Enter
- GIGABYTE : F12 -> Hard Disk -> USB HDD0(LG XTIC) -> Enter

2. Using a BIOS configuration

Such keys as Del, F2, or F10 are generally used for a BIOS configuration. Read a user's PC guide about a main board or go on to <http://recoveryos.com/bios.html> and refer to BIOS boot sequence guide from manufacturer instructions regarding each PC or BIOS.

3. Requesting to PC's manufacturer

Ask a customer service of pc's manufacturer, i.e. "How can I boot computer from a USB device?"

*** Main terms**

About Hard disks:

Sda, sdb, sdc, ... , etc. represents a physical hard disk.

Since these hard disks are named by serial numbers, the order may vary.

Sda1, sda2, sda5, sdb1, sdc1, ..., etc., called as a partition appears when the system formats a hard disk for use.

Drive names such as C:\, D:\ or E:\ on Windows are matching with these sda1, sdb1, ..., etc.

Herein the manual indicates that C:\ is where the system files are installed and other than that, partition names(ex, sda1, sdb1...) are used. On Windows will show D:\, E:\, or etc.

-Does not support multi OS.

*** Simple use of REVIVE**

Back up my computer	
1. Booting	Boot from a USB device (Refer to CMOS Setup boot sequence of the PC)
2. Back up	Select 1. Backup from the menu
3. Automatic turn off computer	Automatically turn off computer upon completing a back up.
Restore my computer	
1 Booting	Boot from a USB device
2. Recovery	Select 2. Recovery from the menu
3. Automatic turn off computer	Automatically turn off computer upon completing a recovery.
Recovery on new hard disk	
1. Booting	Boot from a USB device
2. Advanced menu	Select 3. Advanced menu from the menu
3. Recovery on new hard disk	Select 1. Recovery on new hard disk from the menu
4. Automatic turn off computer	Automatically turn off computer upon completing a recovery.

(Table 1) Simple manual on how to use REVIVE

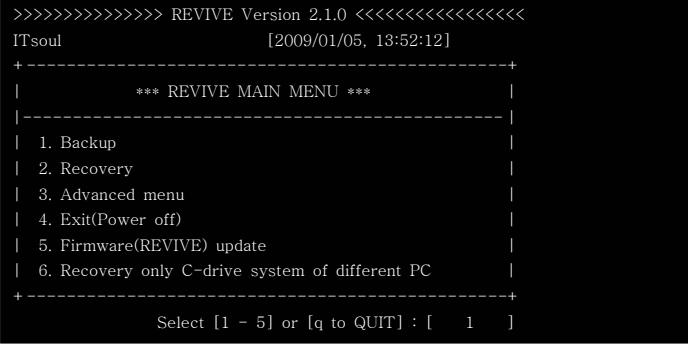
- Backup: (Boot from a USB) -> 1 (Backup) -> Select the designated partition number -> back up completed.
- Recovery: (Boot from a USB) -> 2 -> recovery completed.
- Recovery BOOT: (Boot from a USB) -> 3 -> 3 -> recovery completed.
- Revoery on new harddisk: (Boot from a USB) -> 3 -> 1 -> Select the designated disk number -> recovery completed.

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1. REVIVE Main Menu

Select the number from the following menu, and press Enter.



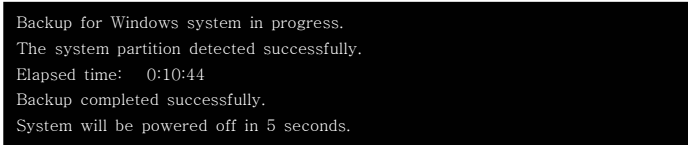
(Fig 1) Menu

menu	Description
1. Backup	Performs back-up the whole system partition(generally C:W)
2. Recovery	Formats the system partition and restores the whole system partition
3. Advanced menu	Supports various options for backup and restore
4. Exit	Turns off computer (power off)
5. Firmware(REVIVE) update	Updates a new version of REVIVE
5. Recovery only C-drive	Recovery only C-drive system of different PC

(Table 2) Main Menu

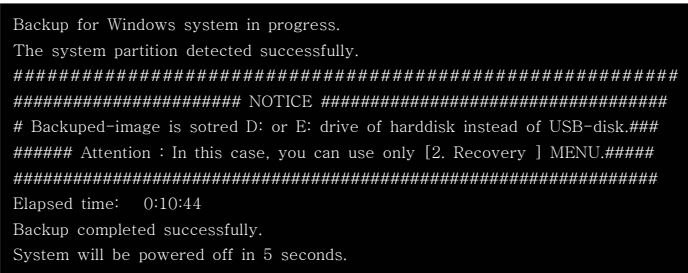
1-1. Backup

Select #1 from (1. REVIVE Main menu), and the following screen shows the completion of the backup.



(Fig 3) Back up screen

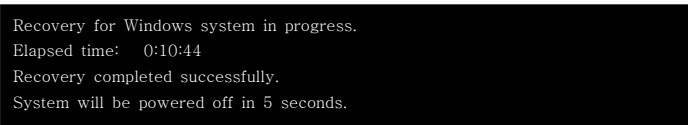
* If you can't backup to REVIVE USB, the following screen will be shown. In this case, your backup image is stored in D or E drive and You can use only [2. Recovery] menu when you want to recovery system.



(그림 4) 프로그램 수행화면

1-2. Recovery

Select #2 from (1. REVIVE Main menu), and the following screen shows the completion of the restore.



(Fig 5) Recovery screen

1-3. Advanced menu

-> Go to section 2.

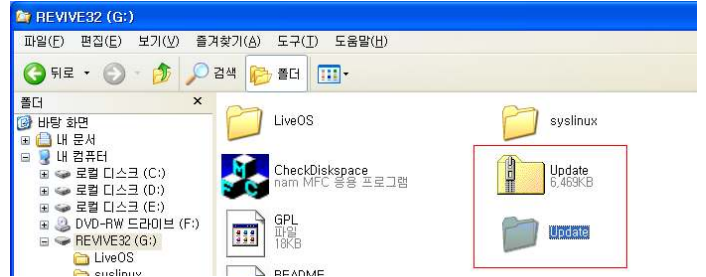
1-4. Exit (power OFF)

Ends the program and turns off computer.

1-5. Firmware update

step 1) Go to our website - <http://itsoul.org/download.html> and download a corresponding firmware.

step 2) Double click the file downloaded on the USB device to extract.

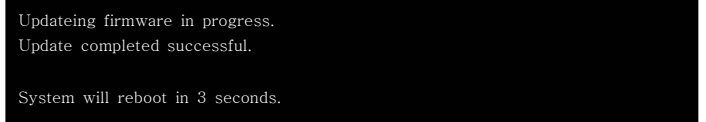


(Fig 6) Extracting firmware Update files

step 3) After extracting files, check the USB device to see if Update folder has been created.

step 4) Boot from the USB device, select #5 from (1. REVIVE Main menu) and press Enter.

step 5) The system will reboot as the message "Update completed successfully" appears. The new version of program updated will be performed when rebooted.



(Fig 8) Updating firmware

1-6. Recovery only C-drive system of different PC

This option restore only C-drive of PC.

2. Advanced menu

Select #3 from (1. REVIVE Main menu), and Advanced menu appears as following.



(Fig 9) Advanced menu

menu	Description
1. Recovery on new harddisk	Restores back-up system to a new hard disk
2. Recovery MBR	Restores the system such as partition information or MBR damages resulting in booting failed
3. Recovery BOOT	Restores the system when booting fails, i.e. "bootmgr is missing" message appears on blue screen during the booting process
4. Low level format of system disk	Initializes all data in a hard disk containing C:W drive making them impossible to be restored (low level format)
5. Low level format of all internal harddisks	Initializes all data in the entire hard disk of computer making them impossible to be restored (low level format)
6. Low level format of usb external disks	Initializes all data in a USB hard disk connected to a computer making them impossible to be restored (low level format)
7. Exit	Turns off computer (power OFF)
8. Return main menu	Returns to the Main menu

(Table 3) Advanced Menu

2-1. Recovery on new harddisk

Select #1 from (2. Advanced menu) to automatically restore a hard disk newly attached to the system.

If more than 2 hard disks exist in a computer, the following screen shows the list of hard disks. Choose the designated hard disk for restoring system. (Note that the old data in the selected hard disk will be removed)

```

Recovery for Windows system in progress.

Warning, You have harddisk more than two.
+-----+
|          *** REVIVE ADVANCED MENU ***          |
+-----+
| Num  Disk   Size(GB)  Disk-id                |
+-----+
|  1   sdb    250       ST3160215A_9RA49ZX                |
| Disk /dev/sdx doesn't contain a valid partition table |
|  2   sda    400       WDC_WD800JD-60L_WD-WMAMD344          |
+-----+

Choose your disk number to recovery : 1

```

(Fig 10) Advanced Menu

As more than 2 hard disks exist in a computer, the list of hard disks appears in the above screen. Select the number of a designated hard disk for restoring system.

```

Recovery for Windows system in progress.
Elapsed time: 0:0:30

Recovery for Linux system in progress on new harddisk.
Elapsed time: 0:10:44
Recovery completed successfully.
System will be powered off in 5 seconds.

```

(Fig 11) Recovery screen

2-2. Recovery MBR

Select #2 from (2. Advanced menu) to restore MBR section. This is to restore all the information on the hard disk by restoring partition within seconds when the system fails i.e. partition information of the MBR section is damaged by virus or others.

```

Recovery for Windows MBR in progress.
Elapsed time: 0:00:20
Recovery completed successfully.
System will be powered off in 5 seconds.

```

(Fig 13) Recovery MBR

2-3. Recovery BOOT

Select #3 from (2. Advanced menu) to restore Boot section. This is to restore all the information on the hard disk when the booting process fails due to a user's mistakes or viruses on the booting section, showing "Bootmgr/ntldr is missing" or "Boot error".

```

Recovery for Windows boot in progress.
Elapsed time: 0:01:44
Recovery completed successfully.
System will be powered off in 5 seconds.

```

(Fig 14) Recovery BOOT

2-4. Low level format of system disk

Initializes all data in the hard disk containing C:\ drive making them impossible to be restored.

Data leaking through a used computer has become one of the biggest security issues in personal information. Use this command when throwing a used computer away so as to make impossible to restore old data for security reason.

2-5. Low level format of system disk

Initializes all data in the entire hard disk of computer making them impossible to be restored.

2-6. Low level format of system disk

Initializes all data in a USB hard disk connected to a computer making them impossible to be restored. More secure when throwing a used computer away.

2-7. Exit(Power off)

Select #4 to finish the program and turn off computer.

2-8. Return main menu

Select #5 to return to the main menu.

3. Error codes

Error code	Description
3	Cannot find a partition of the system hard disk for back-up. Check if a corresponding OS is installed on the system for back up.
5	Integrity test is to be conducted on the back-up zip file. Back up the files again if this error occurs.
8	This error may occur when extracting the zip file to restore the back-up images. Check bad sectors on the designated hard disk for back up. If the same error occurs more than 2 times, replace a new hard disk.
9-1, 9-2	Files are damaged during the compression due to bad sectors on the system partition or the backup storing area or connection cable defects. If the same error keeps occurring, please contact to our office.
13	Storage spaces on a USB device are not sufficient for the back-up image. Reduce the size of the hard disk for back-up, or buy a larger capacity USB device.
14	Does not support multi OS.

4. Notes

REVIVE is designed to always exclude REVIVE folder of the system disk for back up. Therefore, moving files which are not needed for back up would be helpful to reduce the image size and performance time for back up.

4.1 Reducing a hard disk size for back up

1) Create REVIVE folder on C:\ drive.

2) Move (not Copy, but Cut and Paste) files in large sizes such as movie files, zip files, image files, etc. which are not needed for back up to REVIVE folder.

3) Start REVIVE program.

4.2 Notes for replacing a new hard disk

The same model and same size of a hard disk is recommended for replacing, if needed. You can not use the entire size of a hard disk larger than the old one.

* Do not use a hard disk of which size is smaller than the old one

4.3 Running time and Backup capacity

1) Backup and recovery time

- 15GB : around 40 -80 minutes

2) 8GB USB : Backup capacity is around 15GB.

16GB USB : Backup capacity is around 30GB.

5. License policy

Product types	Back-up	Restore
Household	1 PC (unlimited back-up)	1 PC
Group(corporation)	1 PC (unlimited back-up)	Determined separately
Server	1 Server (unlimited back-up times)	Determined separately
customized	Customized capacity upon requesting	Customized capacity upon requesting

6. Warranty

Product warranty

- ITSoul warrants this product to be free from defects in material and workmanship and agrees to remedy any such defect as stated below.
- Please contact ITSoul or dealers for requesting product repairs.
- Detail information about rewards or repairs will be informed within 7 days from the request and the damage rewards will be addressed within 14 days from the informed date.

Product name:	REVIVE	Model name:	REVIVE-WIN
Date purchased:	(yyyy/mm/dd)	SERIAL NO.	
Place purchased:		Price:	
Customer service center:	EXPO officetel 1-cha #806, 381 Mannyeon-dong, Seo-ku, Taejun city Email: support@itsoul.co.kr , Tel: +82 (0)42-364-4537		

Free service

If the product has problems, we offer free service within warranty period (1 year from the purchase)

Problems		Coverage	
		Within warranty	After warranty
1. Within 10 days from the purchase of merchandise, functional and/or performance errors occurs while using a product in normal circumstance and needs substantial repairs 2. Can not use a product due to the failure in compatibility with computers..		Exchange or Refund	
Within a month from the purchase of merchandise, functional and/or performance errors occurs while using a product in normal circumstance and needs substantial repairs		Exchange	
Repair available	Products fails more than 3 times because of the same issue	Free of charge service	Service in charge
	Products fails 4 th times because of the same issue	Exchange or refund	Service in charge
Repair unavailable	Repair is unavailable (with repair parts)	Exchange or refund	Exchange after taking depreciation deductions
	Repair is unavailable (without repair parts)	Exchange or refund	Exchange after taking depreciation deductions and adding 10%

Service in charge

If the product fails due to Mother Nature or by mistakes of the users, or forservice requested for product without failure, we offer the service in charge. Read the manual carefully for more information.

When more explanation on product features is required or adjustment for products without disassemble requested	Free of charge for the 1 st request Service charge from a 2 nd request
When products need to be reassembled in accordance with relocation or move	Service charge from the 1 st request

Warranty exceptions

We are only liable for exchange or repair for products and not responsible for the following cases regarding products

1. Other loss or damages relating to the products, i.e. loss due to the inconvenience of using products, loss by using products, time loss, potential loss on trade opportunities, credit loss, data loss, software loss, alternative equipment costs, potential damages of trade relationship, claim by the 3rd party, or other commercial loss, even if the product had potential for such loss and/or damages.
2. Other loss by accident
3. Claims requesting from the 3rd party to the user

* As warranty statement is not reissued, keep it in safe.