

U Disk DDS 2.0 User Manual

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1. Introduction

U Disk DDS 2.0 is a software used to image backup and OS restore for Window, Linux and WinCE

2. Glossary

Term	Description
UDisk	A booting U disk created by Centerm DDS tool
DDS	Desktop Distribution System
USB HDD	An option of booting from USB

3. List

List	Description
UdiskDDSBoot_2.0.0.32587(2013081601).exe	Centerm DDS booting disk tool 2.0
U Disk	4 G or more
ddsimage.dds	Windows image generated from backup
xxx.dat	Data or file, used for Linux and WinCE update

4. Key Introduction

Key	Description
SPACE	Select from different entries
ENTER	To enter different interface
← →	Moving left and right
↑ ↓	Moving up and down
Tab key	Switch between list and function button

5. Constraint

- 2 or more pen drives are not allowed to simultaneously insert during backup or restore
- DDS file name length is 0~46 characters

- Allow 30 DDS files simultaneously saved to a pen drive
- UDisk DDS can pull out OS image directly, containing driver and other files etc. Restore OS image to a destination, the DDS OS image must be matched with hardware platform. For example, driver on x86 is running on ARM will result in blue screen.
- Using UDisk to backup Window OS image, OS shall be encapsulated first, which includes uninstalling driver, cleaning identified mark, static IP and ARP cache for restoring OS image among different platforms

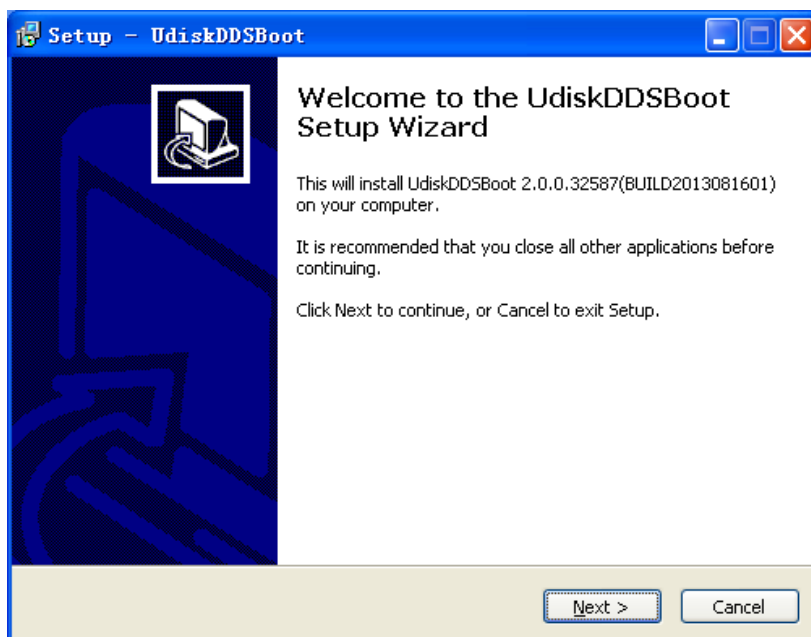
6. Centerm DDS booting disk tool 2.0 Introduction

Centerm DDS booting disk tool is used to enable a pen drive to have OS deployment function for Windows, WinCE and Linux, now version no is 2.0

6.1 Centerm DDS booting disk tool Installation

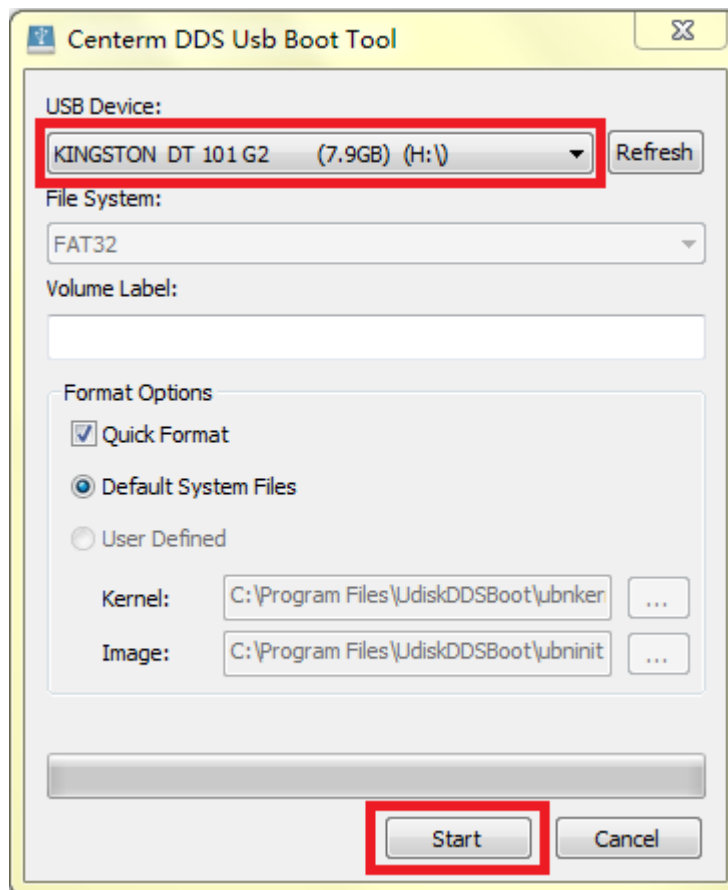


Centerm Udisk DDS booting tool shall be installed on a PC before restore/backup an OS image, the software can be provided by Centerm personnel.



Operation: double click the setup.exe, then follow guide to click “Next”

6.2 Centerm DDS booting disk generation

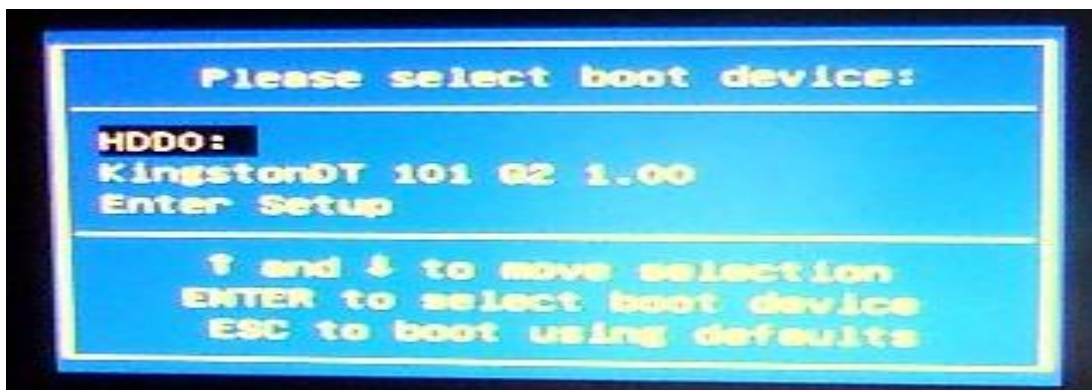
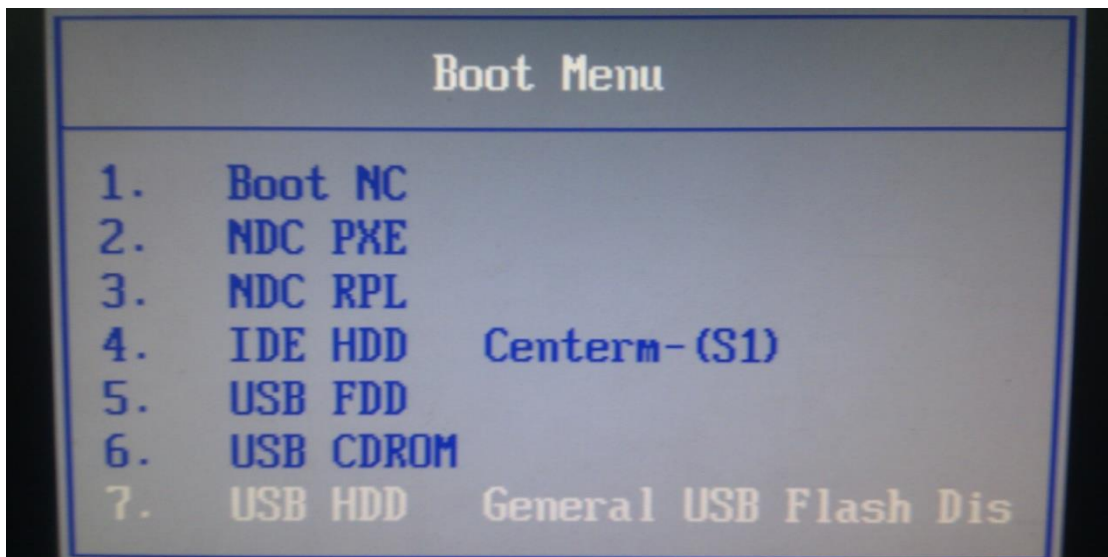


Operating Instruction:

- Insert a 4G pen drive to a PC, open Centerm DDS booting tool to detect a pen drive, pen drive information will be shown in drop box as well as shown by clicking “Refresh” button in the right of list box.
- Click “Start” to generate with default settings

7. Using Centerm DDS booting disk to backup/restore OS image

7.1 Power on TC first, press "F12" to enter Boot Menu

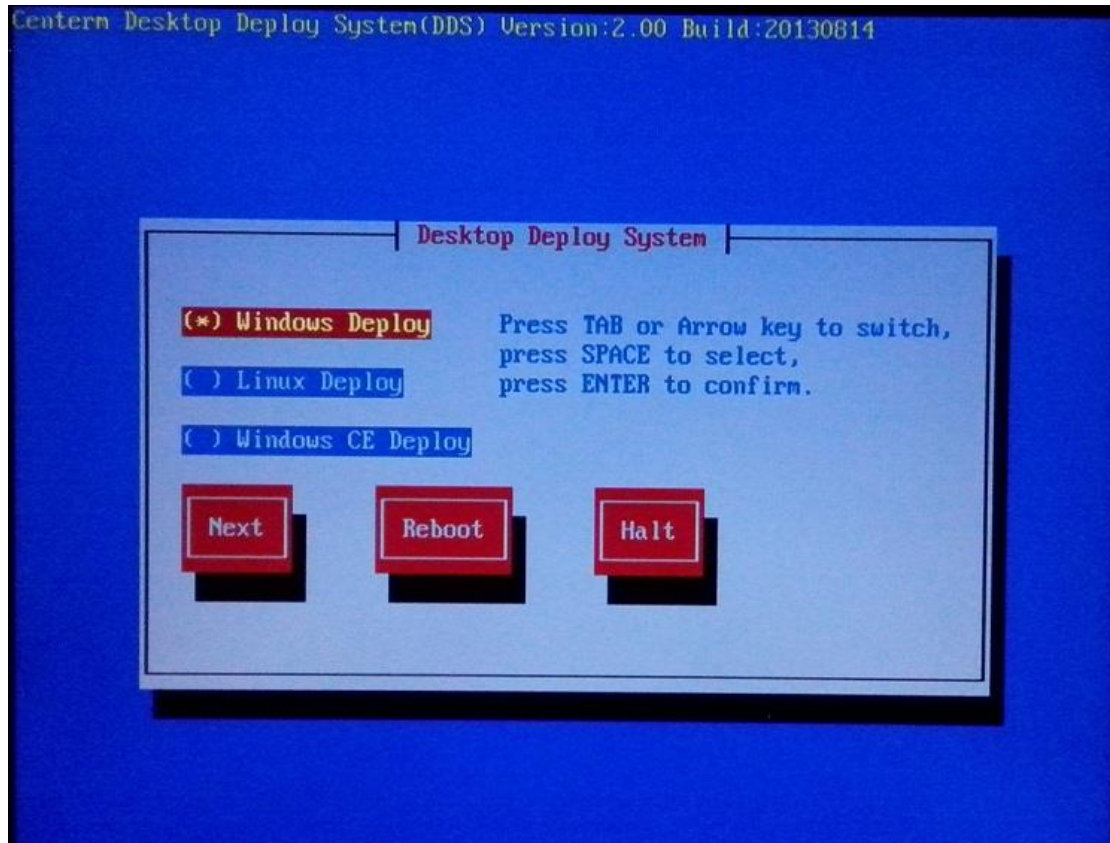


Operating Instructions:

- For WinCE update on Fusion platform, power on thin client, press "F2", to enter CMOS Setup, select "Boot"->"Extended BIOS Boot" ->"Disable", press "F10" to save and exit.
- Press "F12" to enter boot menu , the content might be different depends on the model.
- Choose "USB-HDD" General USB Flash disk or other pen drive mark to enter DDS interface for OS image backup/restore.

7.2 How to backup Window OS image?

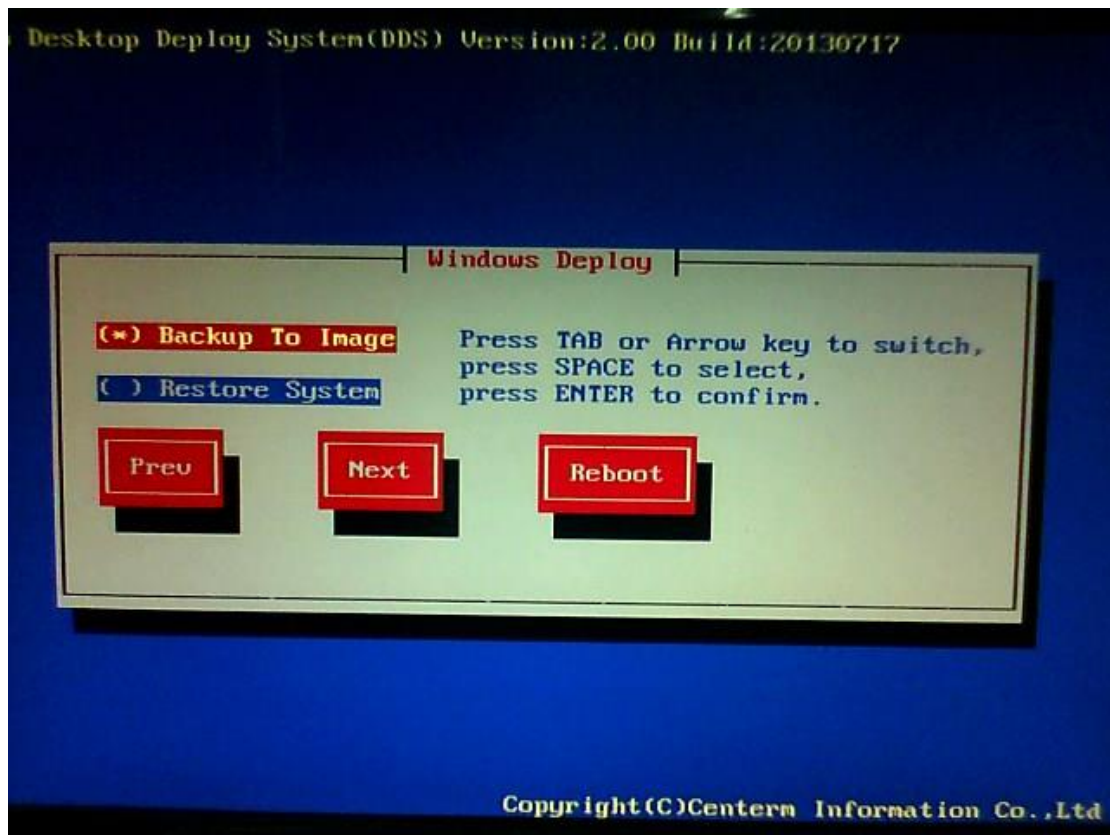
- Enter DDS interface



Operating Instructions:

- Enter Centern DDS, check the information on the right
- Press "Space" to select "Windows Deploy", press "TAB and Arrow key to switch; press "ENTER" to confirm.

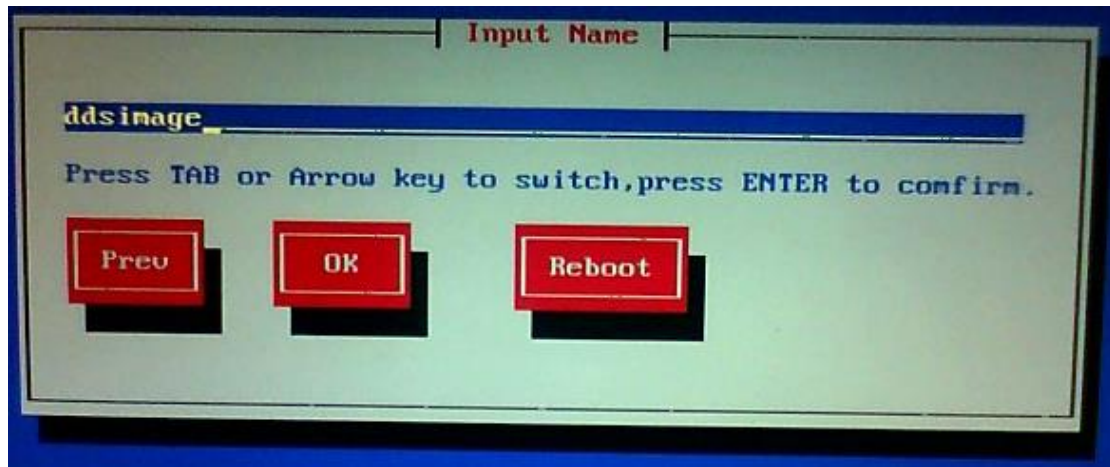
- Enter Windows Deploy



- Operating Instructions:

- After enter Windows Deploy, view notice on right button in the interface
- Press "Space" key, select "Backup To Image" entry, press "TAB" or "Arrow" key to switch, press "Enter" key to go to the next page of the wizard.

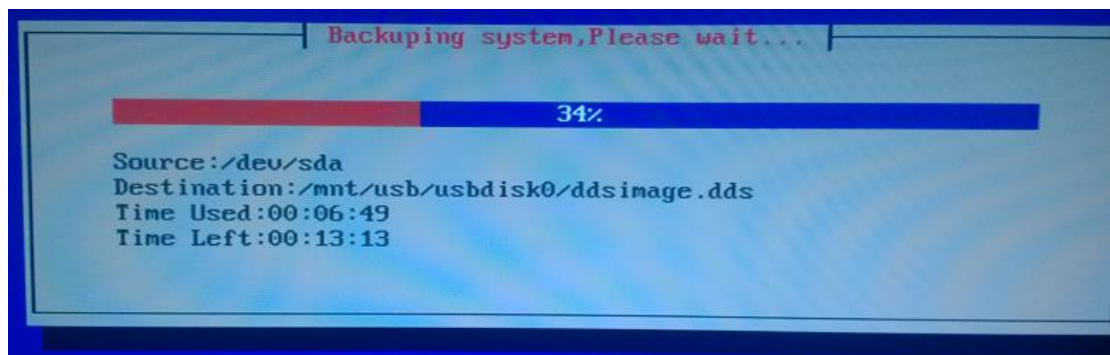
- **Enter the DDS file name**



Operating Instructions:

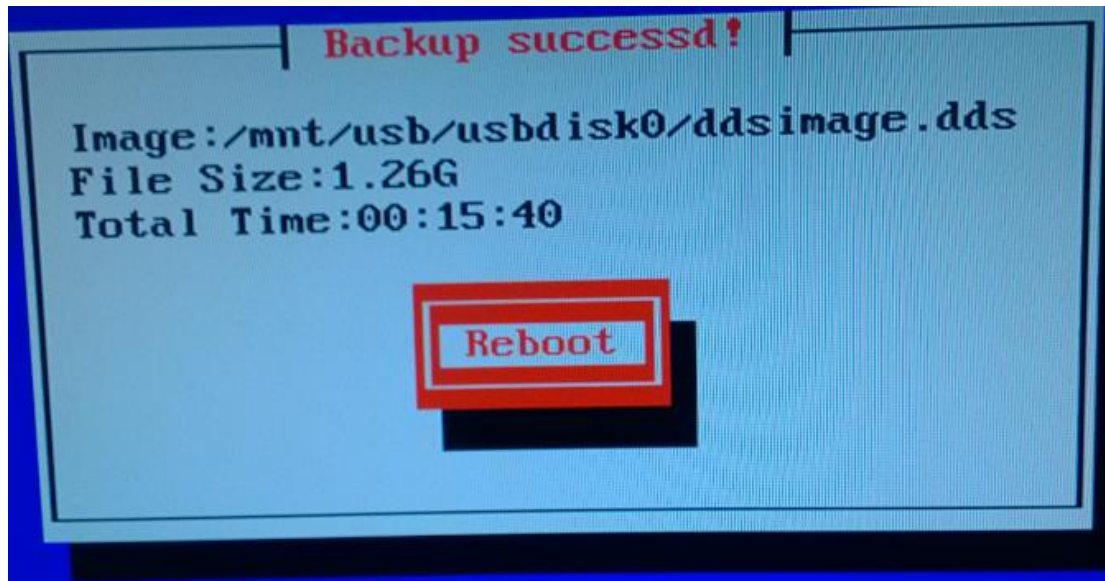
- dds file name is displayed by default ddsimage, without a suffix, For example ddsimage.dds, does not allow such input
- File name length ranges from 0 to 46 characters
- The existing file name will be prompted
- Only allow enter numbers and letters, the following characters are illegal characters:
~ ! @ # \$ % ^ & * () _ - + = { [] } \ | ; : ' " , < . > / ?

- **Windows image backup schedule**



Operating Instructions:

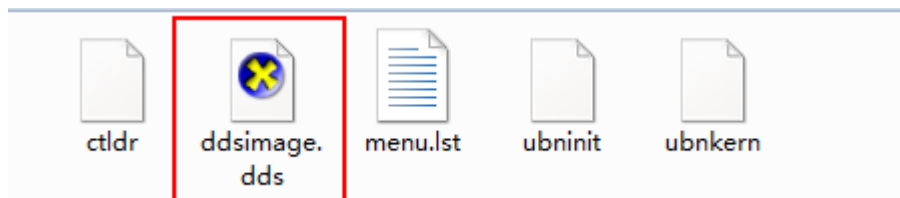
- Now, Centerm DDS is backing up the Windows image, Please don't remove the power, to prevent disk junk data
- **Windows image successfully extracted, generated image files ddsimage.dds**



Operating Instructions:

- After successful backup Windows, Screen displays "Backup success!" message, press "Enter" key to select "Reboot" to restart TC
- Now, Windows has backed up successfully, after restart TC, press F12 again, enter the boot menu, select "IDE HDD" entry, normal into the system.

● **Check Windows image whether the backup was successful**

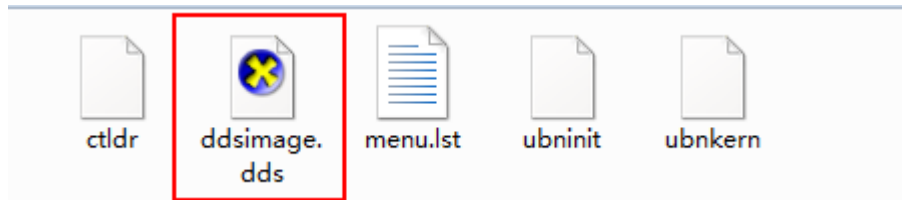


Operating Instructions:

- Open USB disk, enter the root directory, Check whether the new name is generated as "ddsimage.dds" file, if there is, the backup was successful, otherwise re-backup.

7.3 How to restore Windows system?

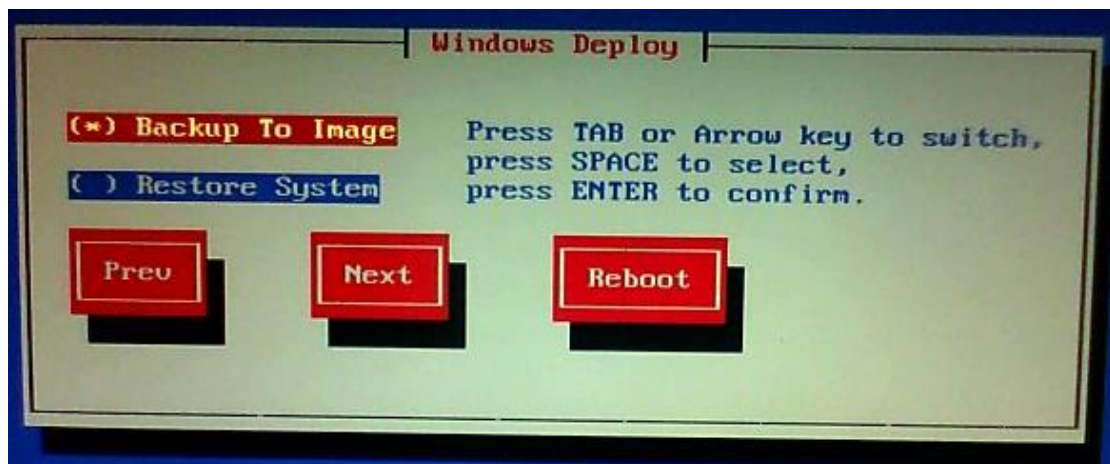
- Check *.dds file



Operating Instructions:

- Open USB disk, enter the root directory, View whether there is already exists suffix. DDS file
- Such as ddsimage.dds file is a Windows system image file that is used to restore the system

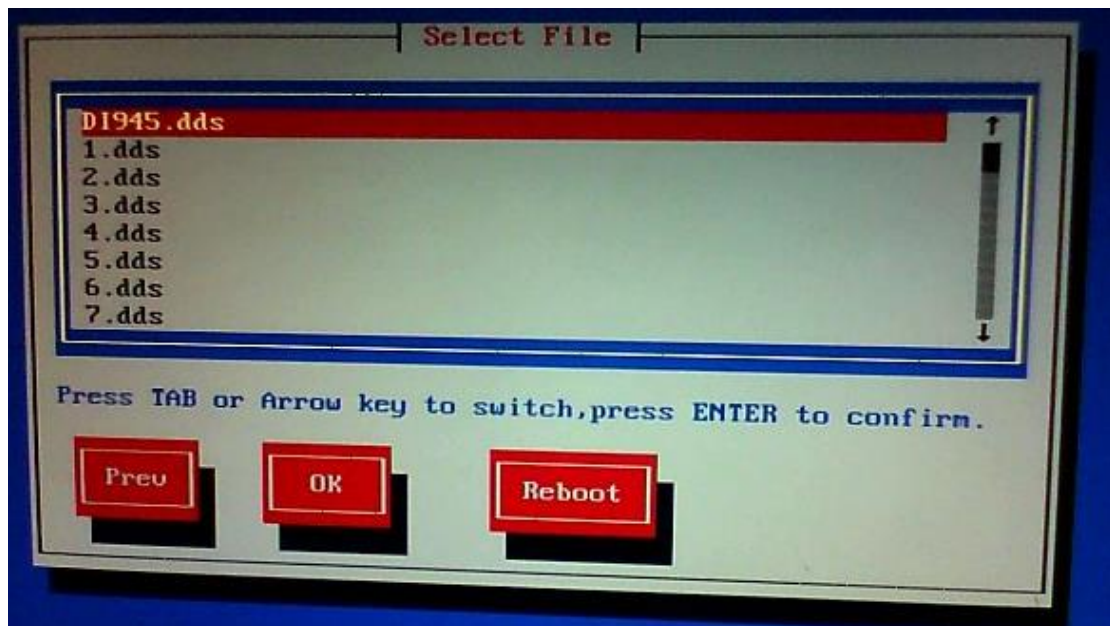
- Enter Windows Deploy



Operating Instructions:

- Similar Windows image backup, enter DDS main interface, select "Windows Deploy" entry, select "Restore System" entry, by pressing the "TAB", "Arrow" key to switch to the "Next" button, press "ENTER" to go to the next wizard page

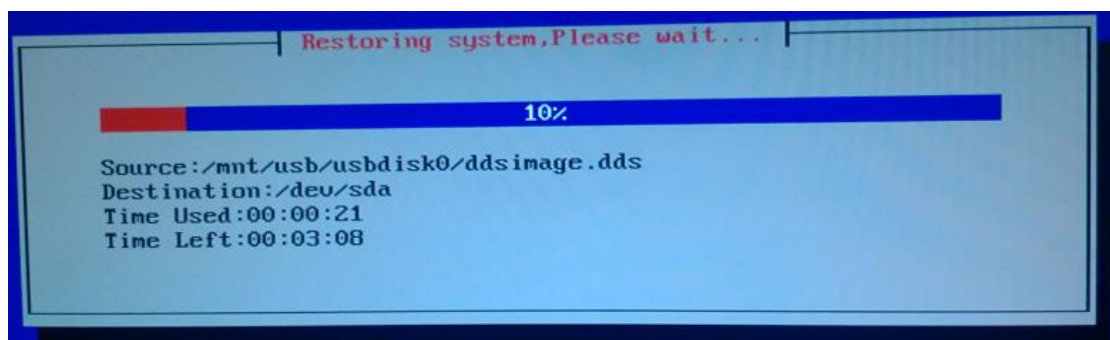
- Enter the file list view, select the dds file to system restore



Operating Instructions:

- By the "Arrow" keys to select the dds files, such as "DI945.dds"
- selected, by the "TAB" key to switch to the bottom of the three-dimensional buttons
- Switch to "OK" button, press "Enter" key, enter the next wizard page
- Note: List View to support 30 dds file

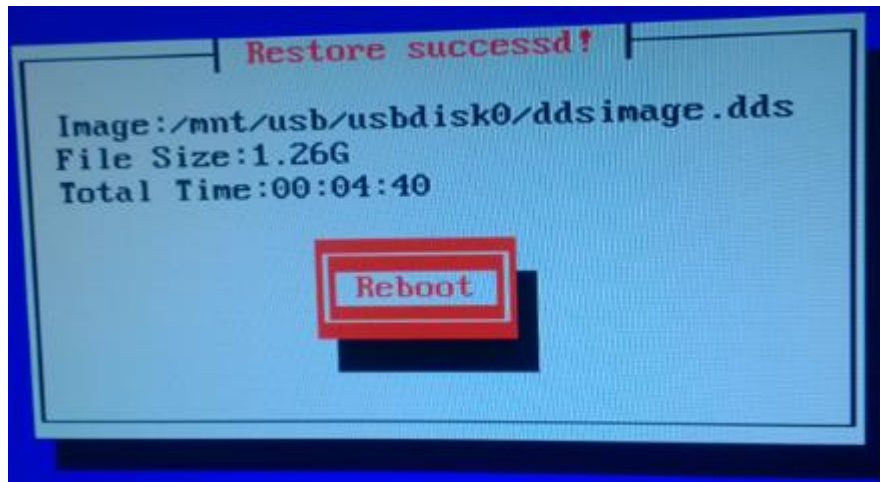
- Restore Windows image progress



Operating Instructions:

- Now, Centerm DDS is restoring the Windows image, Please don't remove the power, to prevent disk junk data

- **Windows image successfully restore**

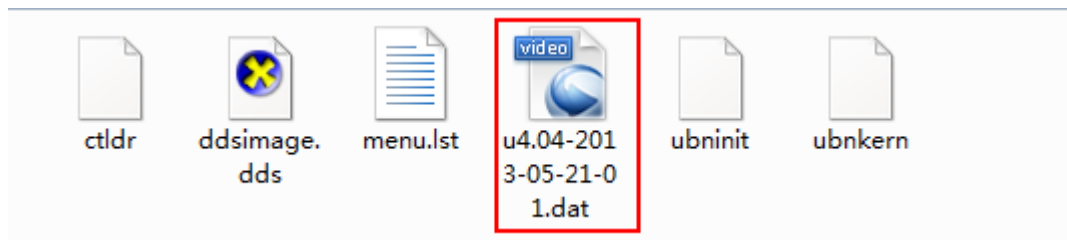


Operating Instructions:

- Backup Windows successfully, the screen displays "Restore success!" Message, press the "Enter" key to select "Reboot" to restart TC.
- For the Fusion platform machines, such as GM800A, GM810B: Press "F12", Select from "HDD" to boot into the system.
For other platforms machines, restart, press "F12", select from "BootNC" to boot into the system.

7.4 How to restore Linux system

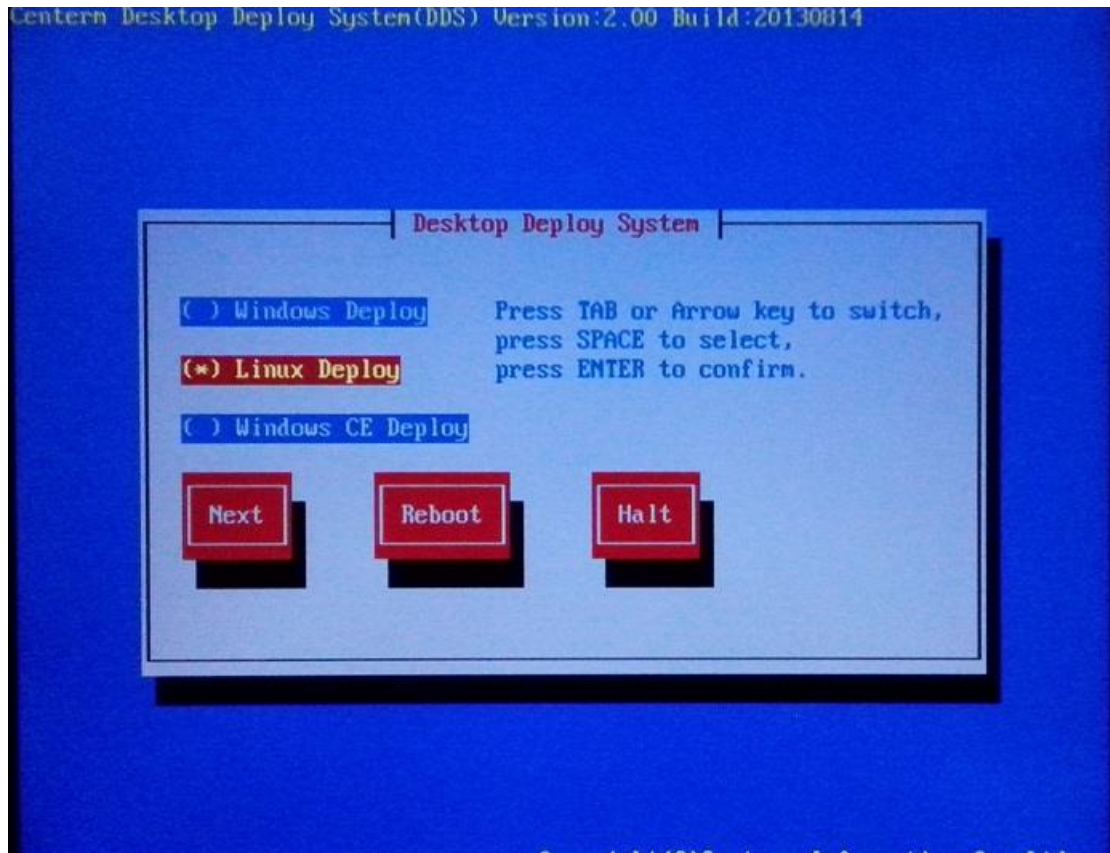
- **Check **.dat file**



Operating Instructions:

- Open USB disk drive into the root directory of USB disk, see if there is files suffix called dat
- **.dat file use to WinCE system restoring
- There can be multiple suffixes named dat files

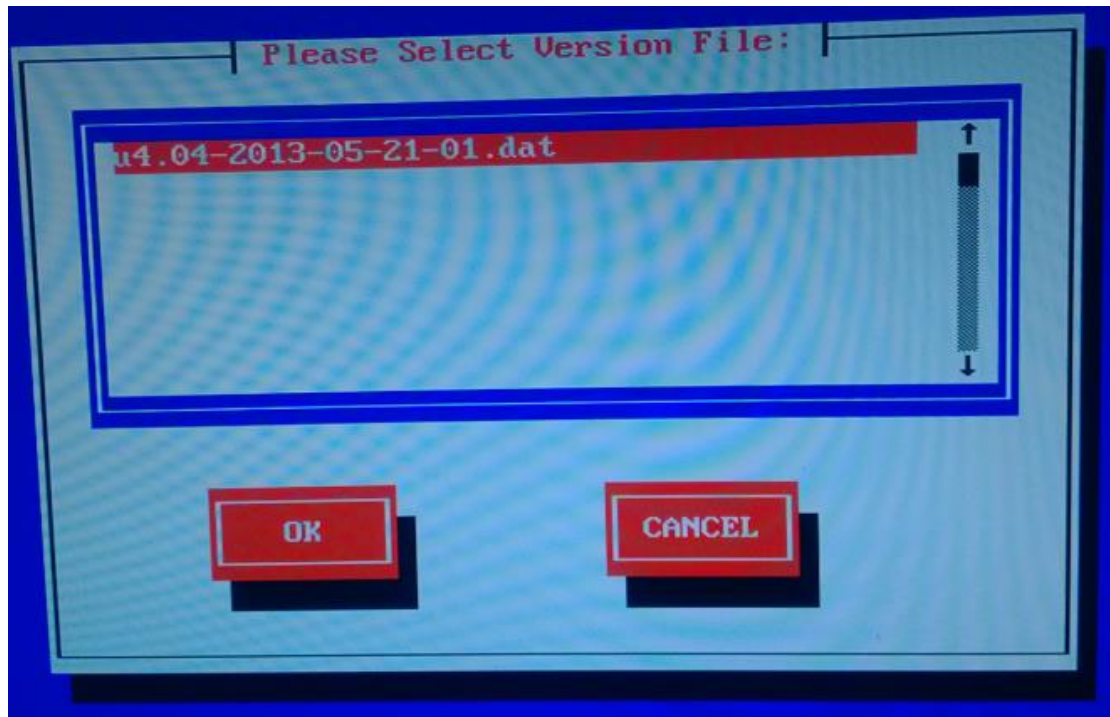
- Enter Centerm DDS homepage



Operating Instructions:

- The same operation as backup Windows image, boot TC and then press F12, choose “USB-HDD” item, enter Centerm DDS, for details, see 7.1
- Press “Space” key, select “Linux Deploy” item, by pressing “Arrow” key, select “Next” highlight, press "ENTER" button to enter the next wizard page

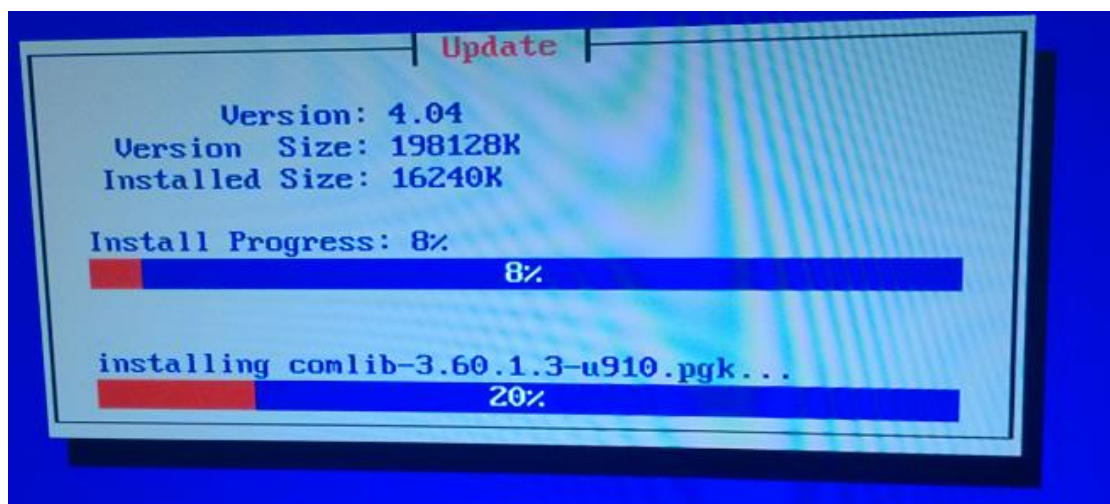
- Enter Linux Deploy



Operating Instructions:

- By pressing the "Arrow" key to select the highlighted dat file
- By pressing the "TAB" key to switch the focus to highlight the "OK" button
- Press "ENTER" button to enter the next wizard page

- Restoring Linux image

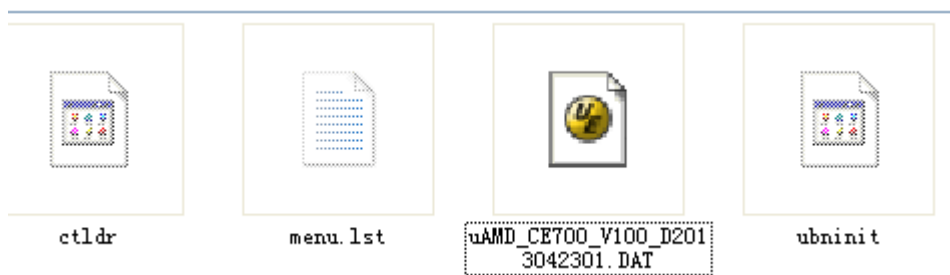


Operating Instructions:

- Now Centerm DDS is restoring Linux image, do not disconnect the power at this time, in order to avoid disk dirty data retention
- After Linux system restore, it will the automatic restart
- For Fusion platform device, such as GM800A、GM810B: Pressing "F12" select from "HDD" boot into the system.
For other platform device, restart, press "F12", choose from "Boot NC" boot into the system

7.5 How to restore Windows CE system

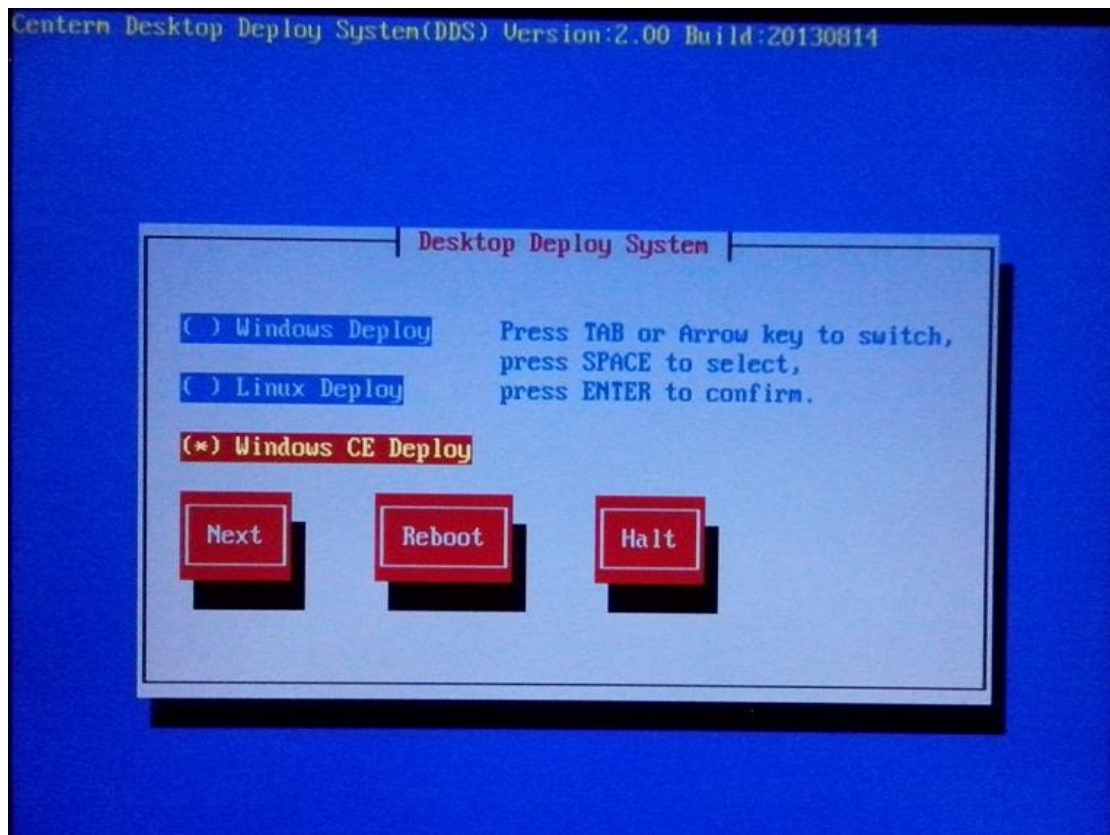
- **Check **.dat file**



Operating Instructions:

- Open USB disk drive into the root directory of USB disk, see if there is files suffix called dat
- **.dat file use to WinCE system restoring
- There can be multiple suffixes named dat files

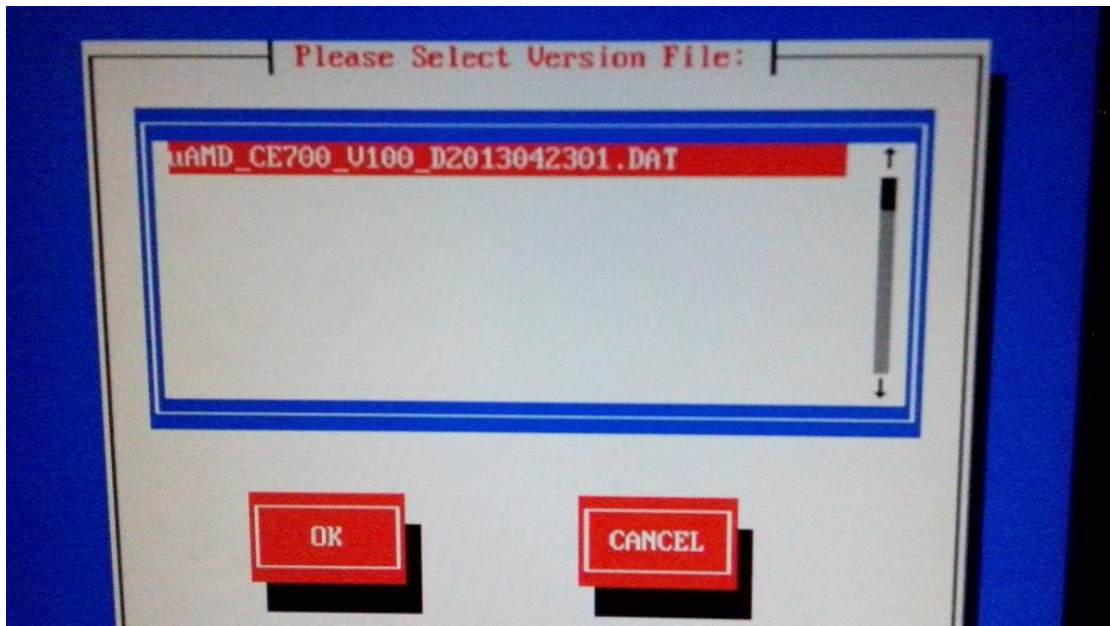
- Enter Centerm DDS homepage



Operating Instructions:

- The same operation as backup Windows image, TC boot press F12, choose “USB-HDD” item, enter Centerm DDS, for details, see 7.1
- Press “Space” key, select “Windows CE Deploy” item, by pressing “Arrow” key, select “Next” highlight, press "ENTER" button to enter the next wizard page

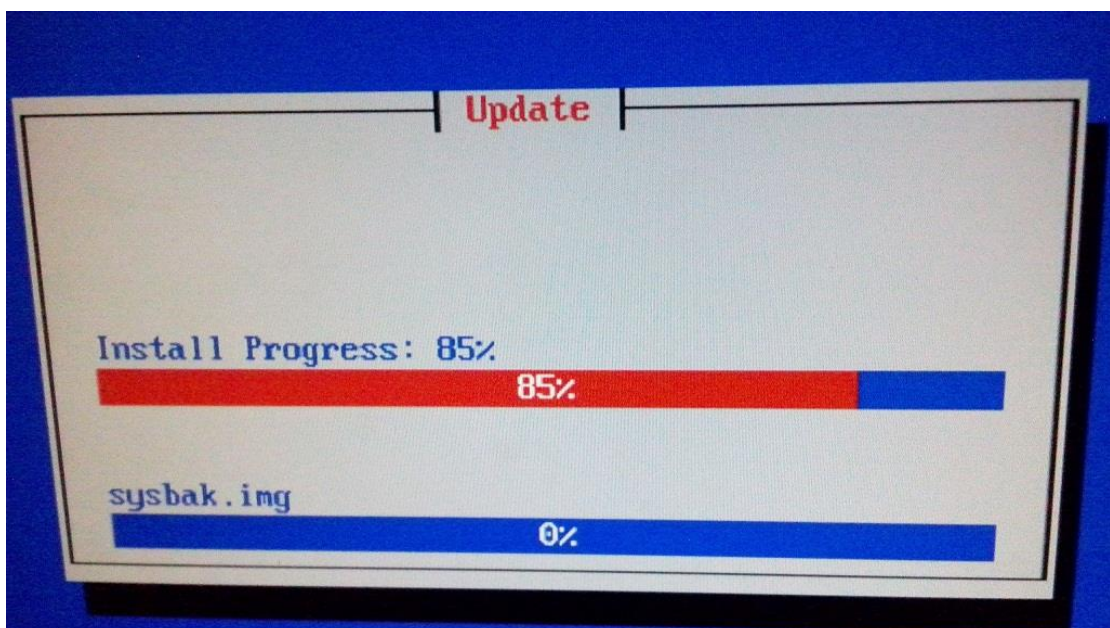
- Enter Windows CE Deploy



Operating Instructions

- By pressing the "Arrow" key to select the highlighted dat file
- By pressing the "TAB" key to switch the focus to highlight the "OK" button
- Press "ENTER" button to enter the next wizard page

- Restoring WinCE image



Operating Instructions:

- Now Centerm DDS is restoring WinCE image, do not disconnect the power at this time, in order to avoid disk dirty data retention
- After WinCE system restore, it will the automatic restart
- For Fusion platform device, such as GM800A、GM810B: Power up thin client, press “F2”, enter the CMOS Setup, choose “Boot” ->"Extended BIOS Boot", choose “Enable”, press “F10” save and exit to restart, restart process press "F12" Select from "HDD" boot into the system.

For other platform device, restart, press “F12”, choose from "BootNC" boot into the system