

# TISIO 96 LX Install from USB boot stick

This procedure describes how to install Linux from USB boot stick

## Requirements

The following is required.

1. One ThinPATH Systems Tisio USB RecoveryOS Boot Stick.
2. One TISIO 96 device.

## Creating USB RecoveryOS Boot Stick

1. Download Tisio USB boot stick files and the BIOS update files from the following location.

<https://www.tp-sys.com/updates/tisio/Tisio-usb-stick.1.6.5.960.zip>

The file to download:

- Tisio-usb-stick-1.6.5.960.zip

2. Download Tisio 96 Linux RecoveryOS files from the following location.

Note this will shortly be the new ThinPATH Systems web server, accessed by “[www.tp-sys.com](http://www.tp-sys.com)”

Go to <http://tp-sys.com> and select Support->Patches and Updates->Tisio Recovery images.

The file to download:

- Tisio96-300LX\_V1.7.1.1444.exe

3. Download the “HP USB Disk Storage Tool”. Search Google for “HP USB Disk Storage Tool”, download and install it on a PC. Once downloaded installed, run the program. We run version 2.0.6 here. Newer versions of this tool have removed the feature “Create DOS boot startup disk”, which we require.
4. From the “HP USB Disk Storage Tool UI” Select create DOS boot startup disk and point to the files in the Tisio-usb-stick-1.6.5.960.zip image.
5. Once made, copy all files over to the USB stick that are in the Tisio-usb-stick-1.6.5.960.zip image.

6. In the file Tisio96-300LX\_V1.7.1.1444.exe there are two files, copy the two lxfam01.\* files to the “os” directory on the USB stick. The USB stick is now ready to use.

## **Install LX OS on TISIO 96 from USB Boot stick**

The procedure will use the Tisio USB RecoveryOS Boot Stick to boot to DOS prompt enabling the BIOS to be updated.

### **Configure TISIO 96 to boot from USB RecoveryOS Stick.**

- 1) Plug the Tisio USB RecoveryOS Boot Stick into the front of the Tisio 96 device.
- 2) Turn Tisio device on and Press the “F2” key when the first PC BIOS screen is displayed.
- 3) If prompted for password enter “diag”.
- 4) Select “Hard Disk Boot Priority” and press Enter.
- 5) Press the + or – keys on the keypad to change the priority of the Hard Disk Boot Priority. The + key moves the item up one place in the list. Change the order as shown below.
  1. USB-HDD : KingstonDataTraveler 2 or what ever your USB device is.
  2. Ch0 M. : 128 MB ATA Flash Drive
  3. Bootable Add-in Cards
- 6) Save settings and exit to reboot device.
- 7) Next, go to the next section on “Installing the TISIO 96 LX OS image” to the Flash memory.

## Installing Tisio 96 LX OS image to Flash Memory

- 1) On boot of the TISIO 96 device with the USB RecoveryOS Stick connected to the front of the USB port, the Menu below will be displayed; if not follow the steps under **Configure TISIO 96 to boot from USB RecoveryOS Stick** above.
  1. Partitioning...
  2. Format and Loading Operating System
  3. Recovery System (Update Only)
  4. DOS command prompt.Select [1,2,3,4]:
- 2) Press 1 to make partition 1 and 2 on the DOM.
- 3) Next wait for the device to automatically reboot and display the menu again listed above. This time select “**2. Format and Loading Operating System**” and wait for the next menu after Partition 1 is formatted and loaded with the RecoveryOS files.
  1. Install WinCE
  2. Install WinXPe
  3. Install Linux
  4. DOS command prompt.Select [1,2,3,4]:
- 4) Select “**3. Install Linux**” and wait for the OS to install, it may take up to 5 min.
- 5) When this completes you will be prompted with a message the installation was successful and to pres Ctrl-Alt-Del to reboot the TISIO 96. Remove the USB stick at this time.
- 6) Reboot the TISIO 96 and wait for Model selection menu and select Tisio 96.
- 7) Next it displays the Setup Wizard. You can take all the defaults here if you want the Access screen is where you decide how you want the Tisio 96 to display on startup. You can set a password to lock out setup, disable the Start Menu and task bar, make it auto hide, select (WBT) Windows Based Terminal Mode, Kiosk mode and Enable VNC. By default the VNC server password is set to “remote”.