

# Using Boot Rescue Menus - How-To

These Live USB boot menus help the end-user boot into a PC that has Linux and/or Windows 10/11 installed but no longer boots. Boot Rescue Menus are a choice at the bottom of the MX Linux/antiX Live USB menu.

## UEFI - Boot Rescue Menus

These are the options offered when MX Linux/antiX is Live booted in UEFI mode. Some screens appear only when using Secure Boot.

**\*\*\*Secure Boot Restrictions \*\*\*** – this option will be seen only when using Secure Boot.

**Shim-EFI bootloader** – Lists EFI bootloader (if present) and shows the path to any shim found (Secure Boot only).

```
===> EFI Bootloader <===
mx      @EFI-SYSTEM (hd0,1)/EFI/mx/shimx64.efi
        @EFI-SYSTEM (hd0,1)/EFI/-id=MX23/shimx64.efi
        @EFI-SYSTEM (hd0,1)/EFI/-id=debian/shimx64.efi
```

**GRUB menus** – Scans all disks for EFI partitions. Lists the Linux EFI Bootloaders found in a menu listing.

```
===> EFI Bootloader <===
boot    @[fat] (hd0,2)/EFI/boot/bootx64.efi
Boot    @[fat] (hd1,1)/EFI/Boot/bootx64.efi
mx23    @[fat] (hd1,1)/EFI/mx23/grubx64.efi
MX23    @[ext_] (hd1,4)/boot/grub/x86_64-efi/grub.efi
MX23KDE @[ext_] (hd1,5)/boot/grub/x86_64-efi/grub.efi
<=== Back to main menu (or press »ESC«)
```

The 'hd0' corresponds to the boot USB. The hd1 entries are on the PC's internal hard drive.

The hd1,4 and hd1,5 are booting via the removable media bootloader as indicated in the path (/boot vs /EFI).

- Selecting an entry and then pressing enter attempts to boot Linux from that choice.

**Frugal menus** – Searches for Frugal menus on all hard drives and their partitions.

**Windows Bootloader** – To find and search all Windows Boot Loaders from all available hard drives. Useful when you want to boot into Windows after invalidating the Master Boot Record or EFI order of your machine.

```
===> Windows Bootloader <===
Windows bootloader on drive (hd1,1)
<=== Back to main menu (or press »ESC«)
```

- Selecting an entry (if multiple are present) and pressing enter attempts to boot Windows.

**Reboot** – Reboots the PC.

**Power Off** – Powers off the PC.

**Reboot into BIOS/UEFI Setup** – Reboots into the BIOS/UEFI configuration screen of your PC. A useful option (for those who don't know the key combination to access their BIOS).

<=== **Back to main menu (or press >>ESC<<)**

## BIOS - Boot Rescue Menus

These are the options offered when MX Linux/antiX is Live booted in BIOS aka CSM/Legacy/MBR mode. At bootup choose 'Switch to Grub Bootloader' to get to the Boot Rescue Menus top level menu.

**GRUB Bootloader** – Searches for GRUB bootloaders on all hard drives and their partitions. This result in a menu listing of what is found on your PC. Selecting an entry and then pressing enter attempts to boot Linux from that choice.

```
====> GRUB Bootloader <====  
GRUB loader @ (hd0,1) MX236XFCE  
GRUB loader @ (hd1,2) MX23Xfce  
GRUB loader @ (hd1,3) MX23KDE  
GRUB loader @ (hd1,4) antiX23  
<==== Back to main menu (or press »ESC«)
```

The 'hd0' entry corresponds to the boot USB. The hd1 entries are from the PC's internal hard drive.

Selecting an entry and pressing enter attempts to boot Window from that choice.

**GRUB menus** – Searches for GRUB menus on all hard drives and their partitions. This result in a menu listing of what is found on your PC. Selecting an entry and pressing enter attempts to boot Linux from that choice.

**Frugal menus** – Searches for Frugal menus on all hard drives and their partitions.

**Windows Bootloader** – To find and search all Windows Boot Loaders from all available hard drives. Useful when you want to boot into Windows after invalidating the Master Boot Record or EFI order of your machine.

```
====> Windows Bootloader <====  
Windows bootloader on drive (hd1,1)  
<==== Back to main menu (or press »ESC«)
```

- Selecting an entry and pressing enter attempts to boot Window from that choice.

**Reboot** – Reboots the PC.

**Power Off** – Powers off the PC.

<==== **Back to main menu (or press >>ESC<<)**