



# MFGTool Uboot Share With the Normal Run One

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# Uboot for MFGTool share with Normal Run

u-boot for MFGTool programming, could use the u-boot for normal run.

Here is the reason why they could use the same u-boot: u-boot detects to check if boot from usb. If boot from usb, it is boot for mfgtool, else it is a normal boot.

Below source code is in u-boot-2014.04 (L3.10.53, L3.14.28). In L3.10.17 it is similar.

common/main.c +352

```
#ifdef is_boot_from_usb
    if (is_boot_from_usb()) {
        printf("Boot from USB for mfgtools\n");
        bootdelay = 0;
        set_default_env("Use default environment for mfgtools\n");
    } else {
        printf("Normal Boot\n");
    }
#endif
```

common/main.c +388

```
        s = getenv ("bootcmd");
#ifdef is_boot_from_usb
    if (is_boot_from_usb()) {
        s = getenv("bootcmd_mfg");
        printf("Run bootcmd_mfg: %s\n", s);
    }
#endif
```

arch/arm/include/asm/arch-mx6/imx-regs.h +972

```
/* If ROM fail back to USB recover mode, USBPH0_PWD will be clear to use USB
 * If boot from the other mode, USB0_PWD will keep reset value
 */
#define is_boot_from_usb(void)  (!(readl(USB_PHY0_BASE_ADDR) & (1<<20)))
```



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