



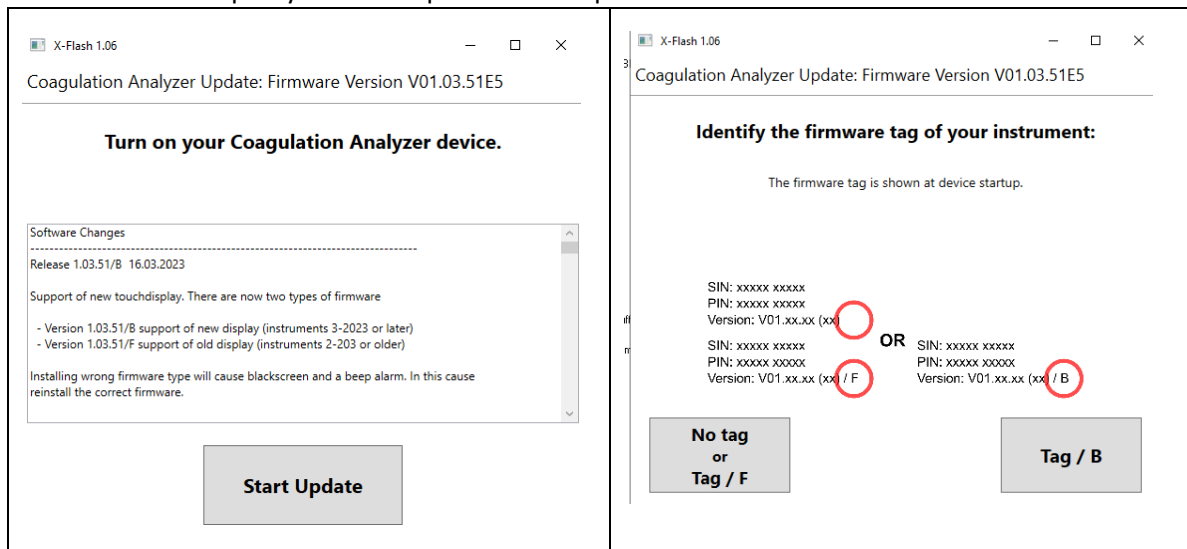
How to update a Coatron-X

1. Download flashdisk_cmxx_xxxx.zip from

https://www.teco-medical.com/downloads.html?group=Coatron_X&category=Firmware-Update&search=

(It may be helpful to watch the video-tutorial, before doing further steps.)

2. Extract Flashdisk.zip to your desktop and run "XUpdate.exe"



3. Disconnect USB cable from instrument, best all remove all USB cables from your PC/Notebook
4. Confirm "Start Update"
5. Select firmware tag

In 2023 TECO introduced a new display (type 'B'), which is not backward compatible and require correct software tag.

- Install software tag /B: Firmware for instrument with new display type 'B'
 - Install software tag /F: Firmware for instrument with old display type 'F'
- (Read on page-2, how to identify the correct tag.)

Note: A false software installation will not harm the system, but just cause black screen. Simply repeat the update with correct tag.

6. Connect USB cable to instrument USB "Service" (=inner USB port. second from left). XFlash will now identify the instrument and display "CONTINUE". Abort XFlash, if no instrument is found and install device driver "FT232.exe" manually (see page 2).
7. Confirm "Start Update". Afterwards the firmware will be uploaded to instrument. There is no way to interrupt. After around 120s the update will be finished.
8. Remove power and afterwards USB cable from instrument. Now connect power to the instrument. If it does not boot, but show black screen, then rrepeat update with other software tag.

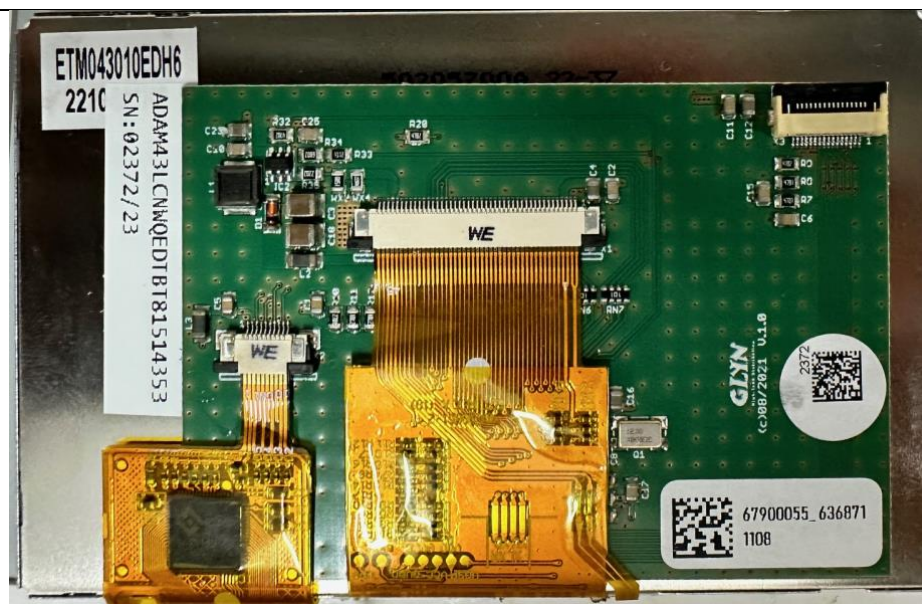
9.

How to identify type of display and correct firmwareProduction of first unit with new display type "B"

SIN=01xxx-03850	2023-05-17
SIN=02xxx-03716	2023-24-04
SIN=03xxx-xxxxx	no instruments with type ,B'
SIN=05xxx-04559	2024-07-31
SIN=11xxx-04461	2024-05-24
SIN=15xxx-04497	2024-06-12

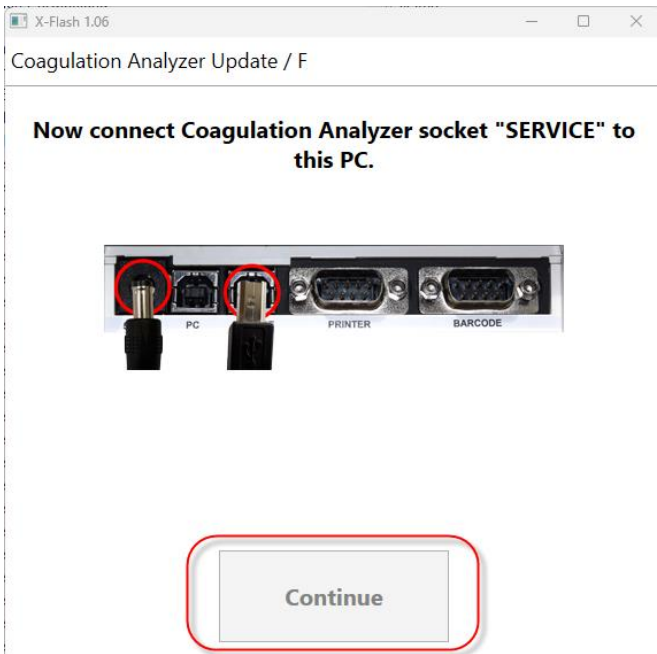


old display Type "F"



new display Type "B"

Problem-1: Updater does not recognize the instrument

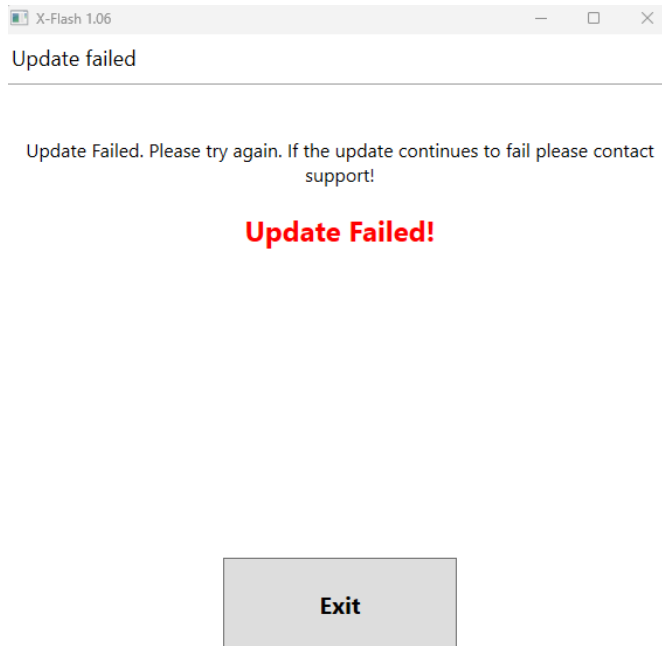


Check USB interface of the instrument

- a. Remove all USB cables from PC
- b. Run Windows Device Manager
(press WIN + R and open devmgmt.msc)
- c. Plug in USB cable to instrument "Service"

Correct device: Instrument is connected as USB Serial port.	Unknown device: Install correct VCD driver for Windows (see last page)	Invalid device: Instrument has defect USB port. Replace mainboard to repair.

Problem-2: Update failed



1. Deinstall VCD driver for Windows
 - a) Remove all USB cables from PC
 - b) Run Windows Device Manager
(press WIN + R and open devmgmt.msc)
 - c) Connect instrument USB to PC and view Ports (Com & LPT)
 - d) Click right mouse and deinstall device (remove completely)



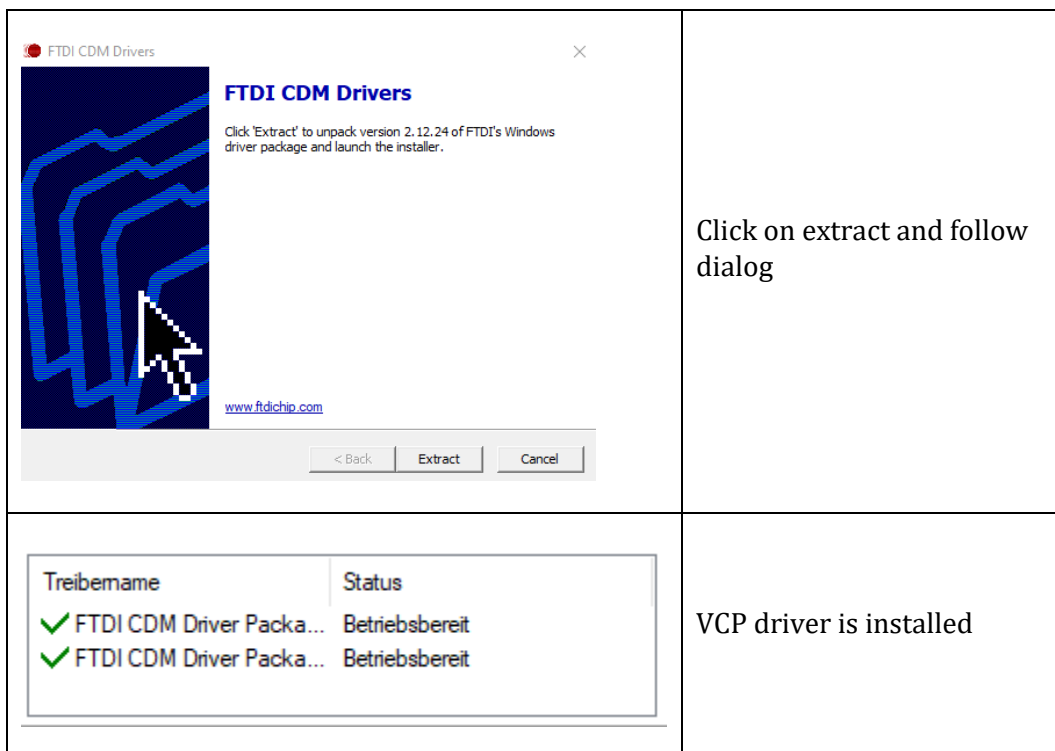
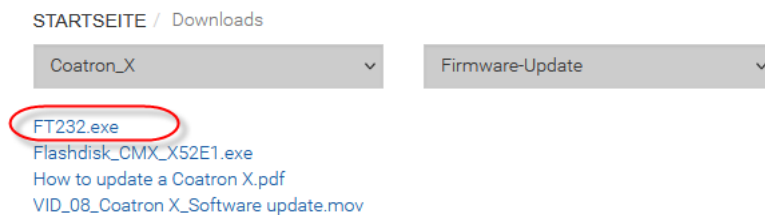
- e) Remove USB cable from instrument and install correct driver (see last page)

How to install VDC driver for Windows

Normally, the instrument updater installs the correct driver automatically. But it may happen, that Windows blocks for some reasons (no permission, firewall, older drivers...).

- a) Remove all USB-cable
- b) Download FT232.exe from our website, save the file on your desktop and execute by double click,

https://www.teco-medical.com/downloads.html?group=Coatron_X&category=Firmware-Update&search=



- c) Update instrument(see page-1)