

Software and Firmware Update Guide

Notes:

This procedure is for updating (or reverting) Software and Firmware on the Videosys Broadcast camera control system.

The process is designed to be run on Windows XP or 7 although other versions may be compatible.

The process is not designed, and therefore not guaranteed to run on an Apple Mac running Windows. Videosys Broadcast are unable to offer support for Mac based systems.

Process Overview

The update procedure has been engineered to be as simple and as quick as possible and can be done from a Windows based machine, by persons who have a basic understanding of Microsoft's software and hardware installation process.

Check list

The following are required for the installation process.

- Cola Updater program and drivers. Available from Videosys Broadcast's FTP site.
- Windows based PC with available USB port.
- USB Type A to B cable (for CCIDU)
- USB Type A to Mini-B cable (for CCCAM)

Updater and Driver Downloads

Downloads are available from Videosys Broadcast's FTP site which is at: [videosys.no-ip.org](ftp://videosys.no-ip.org)
Access can be via an FTP Client program such as Filezilla or via a web browser at <ftp://videosys.no-ip.org:21>

Drivers are located under: Videosys Products → Drivers → USB

Please select the correct driver for your machine, download and unzip the file.

The updater program is located under: Videosys Products → Camera Control → Software

Release notes and change history are available for the current stable and beta versions. If you are in doubt as to which to download, please contact Videosys Broadcast.

USB connection CCIDU

Ensure power is applied to the CCIDU and connect the USB cable between the PC and CCIDU

USB connection CCCAM

The USB connector for the CCCAM is located internally.

Remove the 10 off 2mm hex screws from the unit and remove the lid. The USB connector can be found near to the menu navigation button.

Ensure the unit is powered up and connect the USB cable between the PC and CCCAM

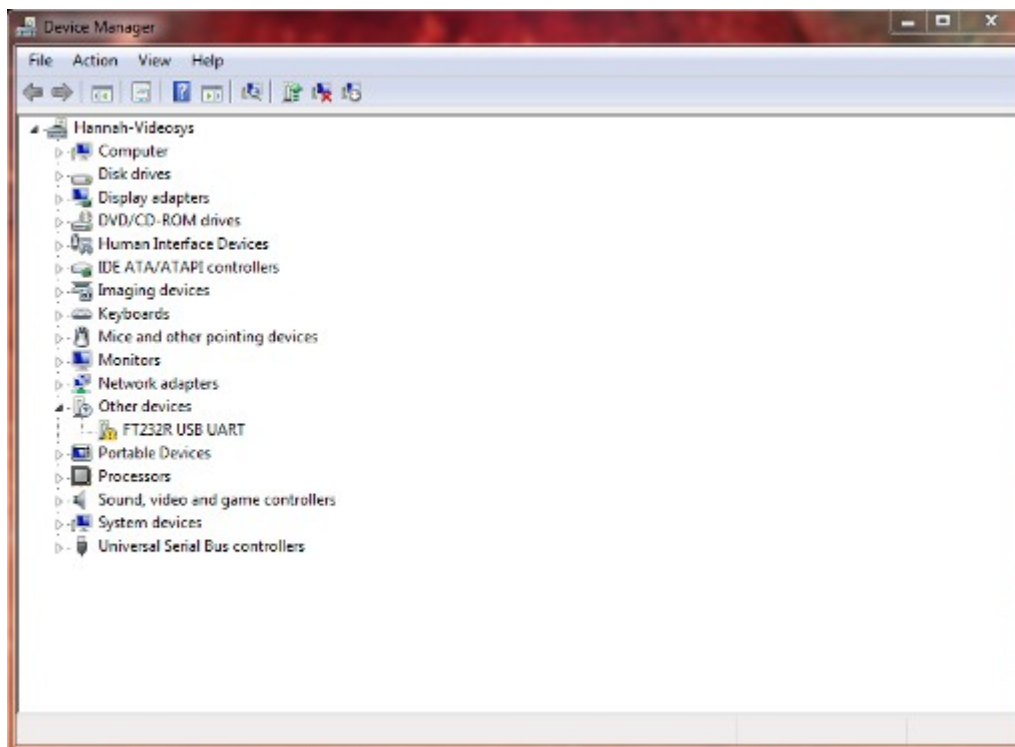
NB. Early models have their USB connector on the main PCB and may require further dis-assembly. These units can be returned to Videosys Broadcast for updates if required.

Driver Installation Windows 7

The Windows Update site contains the correct drivers which will automatically be selected and downloaded if connected to the Internet.

If connection to the Windows update site is not possible, or the process fails to complete, the below method can be used using downloaded drivers.

Click on the "Start" button and type in the search bar "device manager".
The below window should appear.

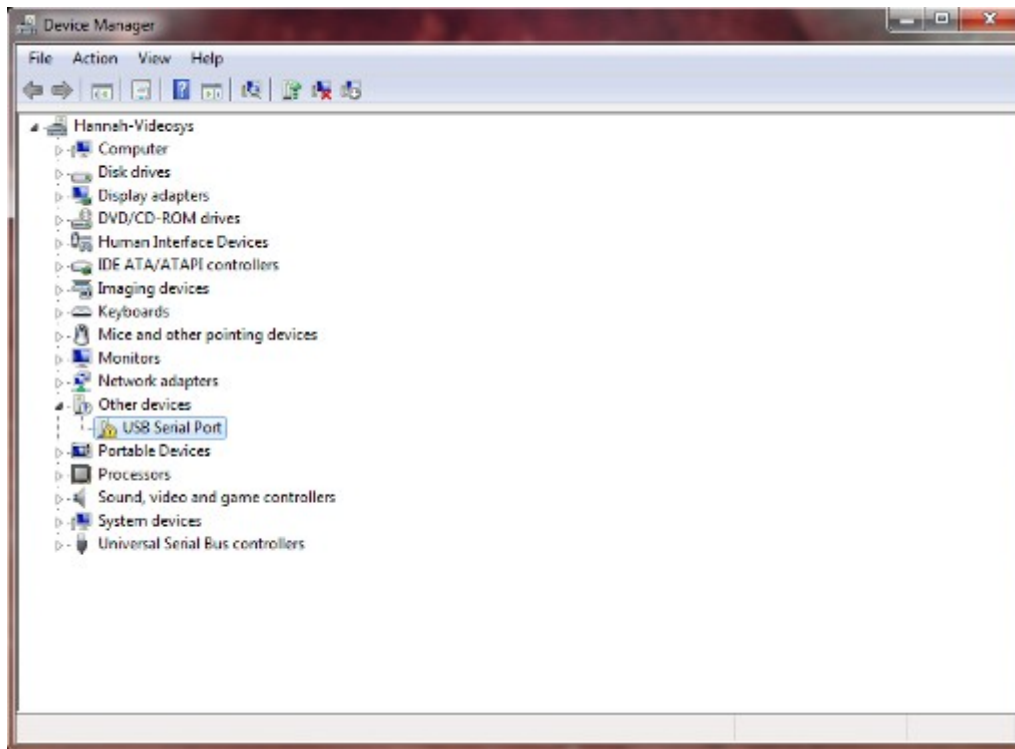


Right click on the "FT232R USB UART" that has the warning triangle next to it, and select "Update driver software" .

Select "Browse my computer for driver software" and navigate to the unzipped driver folder.
Click "next"

A warning "Device not installed correctly" may appear, which is normal.

The device manager then changes to the below window.



Right click on the "USB Serial Port" with the warning triangle, and select "Update driver software" .

Select "Browse my computer for driver software" and navigate to the same unzipped driver folder as for the previous step.
Click "next".

This process should install a USB COM Port onto your machine.

This process may need to be repeated for both the CCCAM and CCIDU.

Driver Installation Windows XP

Upon first connection Windows will prompt with the Hardware update wizard window.

When asked "Can windows connect to Windows update to search for software?"

Choose "No, not this time" and click "next".

When asked "What do you want the wizard to do?"

Choose "Install from a list or specific location (Advanced)" and click "next".

When asked "Please choose your search and installation options".

Choose "Search for the best driver in these locations".

Un-check "Search removable media".

Check "Include this location in the search:" and browse to the un-zipped driver folder.

Click "next".

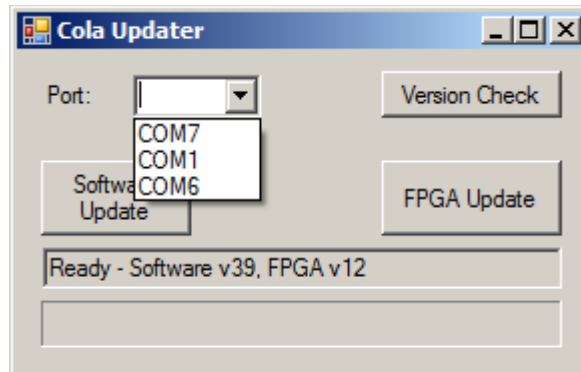
This process should then install a USB COM Port onto your machine.

Updating Software

The program "ColaUpdater.exe" is used to update the software.

Once opened the program will scan your hardware for all available COM ports.

Select the appropriate port from the list available.



If no ports are available please check the driver installation process has completed correctly, then close and re-open the updater.

Once selected click on "Software Update".

The Updater will attempt to open the COM port and connect to the unit.

If the updater fails to connect, please check the COM port selected is correct and that the unit is powered up.

The software update should take about a minute to complete. Do not close the updater or shut the PC down during this process.

Updating Firmware

The program "ColaUpdater.exe" is used to update the firmware.

The Firmware should be updated after the software has been updated.

Once opened the program will scan your hardware for all available COM ports.

Select the appropriate port from the list available.

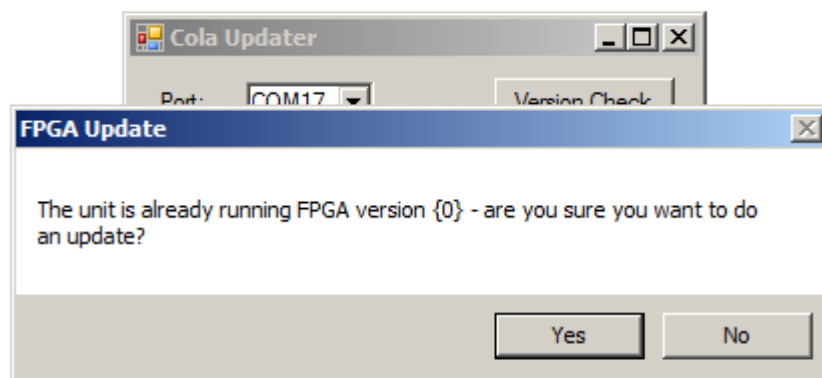
If no ports are available please check the driver installation process has completed correctly, then close and re-open the updater.

Once selected click on "FPGA Update".

The Updater will attempt to open the COM port and connect to the unit.

If the updater fails to connect, please check the COM port selected is correct and that the unit is powered up.

If the updater reports that the current version is the same the process may be cancelled.



The update to the FPGA may take several minutes to complete.

The process should not be interrupted during programming. This may cause the unit to stop functioning and will need to be returned to Videosys Broadcast for repair.

If the update fails to start, the unit may need to be returned for an "In Field FPGA programming" modification.