This procedure describes how to totally reset an XHub. It is used for the production of the XHubs.
If during an upgrade of the XHub, a communication problem occurs, the XHub can become unusable. This full reset procedure reloads the necessary software on the XHub to make it operational again.

Please identify first the XHub version required and the XHub type.
There are 2 types of hardware for XHub :
- XHub 540Mbps : can be used with XNet network at 270 and 540Mbps
- XHub 1.5Gbps (XHub[2]) : can be used with XNet and XNet[2] networks at 270, 540 and 1485Mbps. There is a sticker at the back those mentioning XHub[2]

There are 3 current software versions for XHub :
- v. 1.07, compatible with Multicam 5.xx.xx and 6.xx.xx
- v. 2.05, compatible with Multicam 7.xx.xx or later for XHub 540Mbps
- v. 2.06, compatible with Multicam 7.xx.xx or later for XHub 1.5 Gbps

Identify the current version of XHub
1. Turn off the XHub
2. Move down all 4 dip switches located on the left side of the BNC connectors
3. Turn on the XHub
4. The branch status LEDs show the software version in a binary pattern :

Branch LED #	1	2	3	4	5	6	7
v. 1.06		green	red		green	green	
v. 1.07		green	red		green	green	green
v. 2.03	green		red			green	green
v. 2.04	green		red		green		
v. 2.05	green		red		green		green
v. 2.06	green		red		green	green	

5. To return the XHub to its normal operational mode : turn it off, move the 4 dip switches up, turn on the XHub

Identify the XHub type
> The SPEED led helps identifying the XHub Type :
1. If the SPEED led is OFF then the XHub Type is 540 Mbps
2. If the SPEED led is ON then the XHub Type is 1.5 Gbps

If you are running v.2.03 or later, follow this procedure.
1. Insert the XHub upgrade disk into the floppy drive of the XT server
2. Use a null-modem cable to connect the COM1 port (RS232 #1 "Tablet") of the XT to the RS232 port of the XHub.
3. Exit all applications on the XT server until you reach the DOS prompt
4. Power down XHub.
5. Set dip switches on the front panel as follow :

	1	2	3	4
Up		■	■	
Down	■		■	■

6. Power up and wait 2 seconds (LEDs must stay off).
7. Type reset [ENTER]
8. Power down and wait 1 second

XHub v.1.07, 2.05 & 2.06

Issue: Version 1.2 - File:T:\Product\XT Series
Server\Tech Info\SDTI\XHub full reset 061124.doc

Full Reset Procedure

Print: 24/11/2006   Page: 2/2

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9. Power up (LEDs must stay off).
10. To flash a <u>540 Mbps XHub</u> to <u>version 1.07</u>, type flash107 [ENTER]
    To flash a <u>540 Mbps XHub</u> to <u>version 2.05</u>, type flash_sd [ENTER]
    To flash a <u>1.5 Gbps XHub</u> to <u>version 2.06</u>, type flash_hd [ENTER]
11. Power down.
12. Put switches in debug position (all down).
13. Power Up and check that the LEDs show the right version.

If you are NOT running v.2.03 or later, follow this procedure.
1. Power down XHub
2. Move down all 4 dip switches located on the left side of the BNCs connectors.
3. Remove the top cover of the XHub and close the ST1 jumper on the circuit board.
4. Turn on XHub. Be carefull not to touch anything inside the chassis while it is powered ! High voltage !
5. Insert the XHub upgrade disk into the floppy drive of the XT server
6. Use a null-modem cable to connect the COM1 port (RS232 #1 "Tablet") of the XT to the RS232 port of the XHub.
7. Exit all applications on the XT server until you reach the DOS prompt
8. To flash a <u>540 Mbps XHub</u> to <u>version 1.07</u>, type flash107 [ENTER]
    To flash a <u>540 Mbps XHub</u> to <u>version 2.05</u>, type flash_sd [ENTER]
    To flash a <u>1.5 Gbps XHub</u> to <u>version 2.06</u>, type flash_hd [ENTER]
9. Power down.
10. Put switches in debug position (all down).
11. Power Up and check that the LEDs show the right version.