



Hamlet Video International Ltd

Application Note

FS2

Remote operation of Hamlet Flexiscope from a Personal Computer using a Network.

Issue 1.1

20/01/08

Operation of the Flexiscope with a Personal Computer over a network

The Flexiscope can be operated from a personal computer using the supplied software. Using the supplied software enables the PC to control the unit and has the following features:

- 1) The unit may be remotely controlled fully from the PC by using the mouse to click on command buttons.
- 2) The unit's video display (except picture) can be downloaded and displayed on the PC where it can be stored as a .BMP file to hard disk, recalled from disk or be sent to a printer etc.
- 3) It enables 'Real Time' error logging to take place where selected errors detected by the unit are sent to the PC and displayed in a table as they happen.
- 4) Selected errors detected by the unit and stored in its internal memory may be downloaded later and displayed as a table on the PC.

See application note FS1 for instructions how to connect the Flexiscope to the PC using the USB interface.

The Flexiscope should be connected to the PC using the USB initially to make sure operation of the software, PC and Flexiscope works correctly.

Required equipment

Hamlet Flexiscope

Hamlet Flexiscope software

USB cable

PC running Microsoft Windows XP or later

Network cable

USB to IP converter hardware

(Hamlet has verified AnywhereUSB I/O Remote Concentrator available from Inside Outnetworks, www.ionetworks.com operates USB devices over an IP network)



Example Network layout

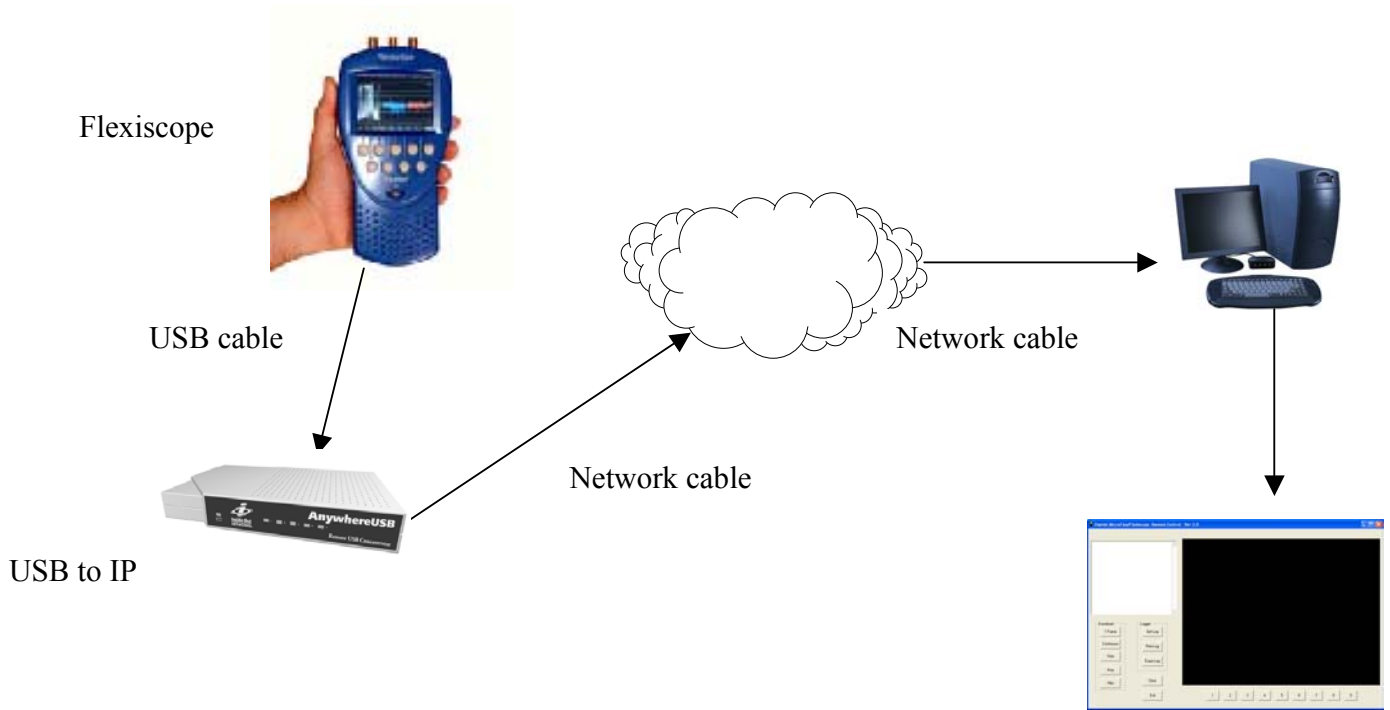


Fig 1 Example network layout

Installation

1) Connect PC to network

2) Check Flexiscope operation by directly connecting Flexiscope to PC by supplied USB cable and operate the installed Flexiscope software.

3) Install the USB to IP converter.

In this Application note the Ionetworks AnywhereUSB will be used
Connect the AnywhereUSB to the network

4) Install on the remote PC which will be running the Flexiscope software the AnywhereUSB drivers and configure routine. (Refer to converter box manual for more information on its setup an IP address is required)

The lights on the AnywhereUSB should stop scanning if not update the drivers from Ionetworks web site.

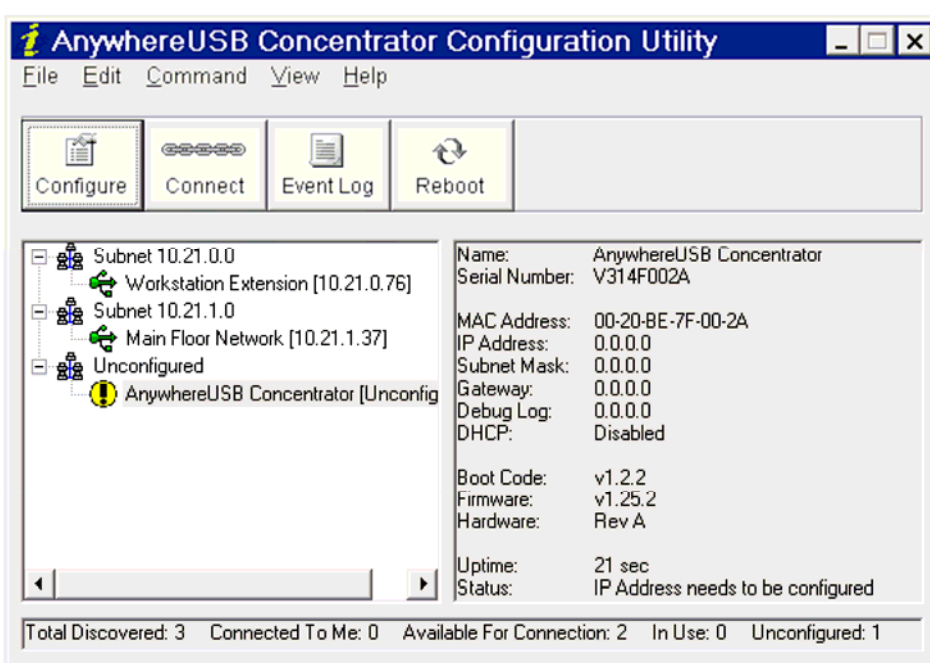


Fig 2 AnywhereUSB configure screen

5) Select the AnywhereUSB hub where the Flexiscope you require will be connected, from the available units in the configure software and then use the connect button to enable the communication between the PC and the Flexiscope.

- 6) Connect Flexiscope to AnywhereUSB using supplied USB cable
- 7) Turn Flexiscope on.
- 8) Start the Flexiscope software

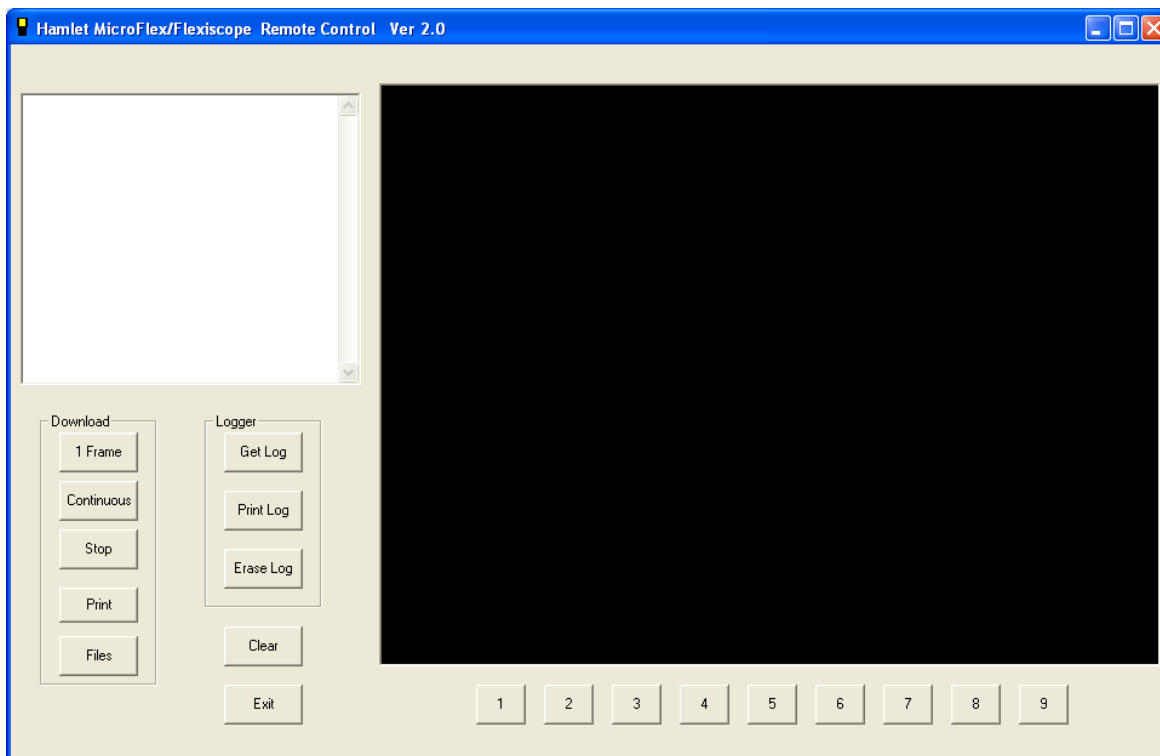


Fig 3 Flexiscope Remote control software screen

APPENDIX A

Trouble Shooting

If the PC can't communicate with the Flexiscope an Error message will appear in the application window. It is necessary to check that USB link is correctly setup.

- 1) Is the USB cable connected to the USB to IP converter?
- 2) Is the USB cable connected to Flexiscope?
- 3) Is the Flexiscope powered up correctly?
- 4) Have the Flexiscope drivers been installed on PC? If not or if a driver install request appears the drivers are in the C:\program files\Flexiscope directory.
- 5) Turn Flexiscope off then on again to allow USB to recognize that the Flexiscope is attached
- 6) Are the AnywhereUSB lights static if not update the AnywhereUSB drivers

USEFUL WEBSITES

HAMLET	www.hamlet.co.uk	
HAMLET (USA)	www.hamlet.us.com	
SMPTE	www.smpte.org	Society of Motion Picture Television Engineers
DIN	www.din.de	German Standards Institute
EBU	www.ebu.ch	European Broadcasting Union
AES	www.aes.org	Audio Engineering Society
ITU	www.itu.int	International Telecommunication Union
IONetworks	www.ionetworks.com	Anywhere USB

CONTACT DETAILS AND CUSTOMER SUPPORT

For any form of assistance in maintaining your FlexiScope, please contact:

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In correspondence concerning this instrument, please quote the serial number, which you will find printed on the label at the back of the unit.