Hamlet Video International Ltd

Application Note
MF2

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

Issue 1.1   **20/01/08**

Operation with a Personal Computer over a network.

The MicroFlex 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 MF1 for instructions how to connect the MicroFlex to the PC using the USB interface.
The MicroFlex should be connected to the PC using the USB initially to make sure operation of the software, PC and MicroFlex works correctly.

Required equipment
Hamlet MicroFlex
Hamlet MicroFlex 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

MicroFlex
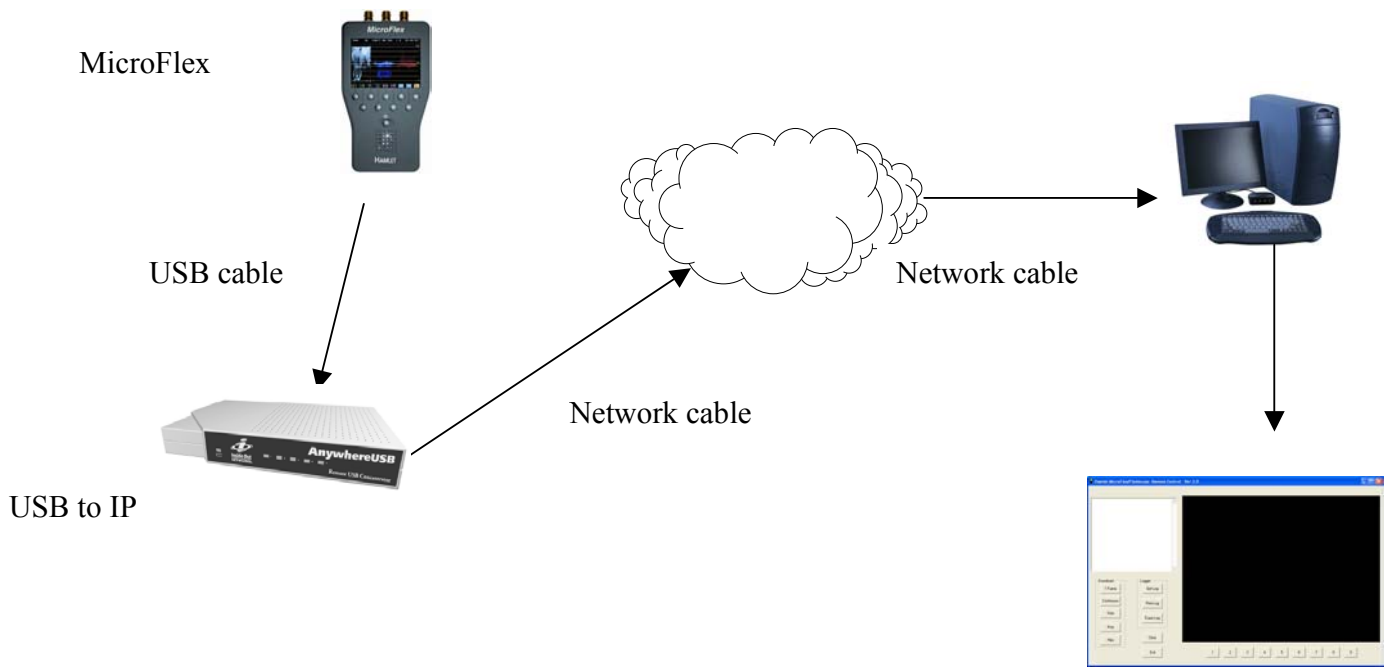
USB cable

USB to IP

Network cable

Network cable

Fig 1 Example network layout

Installation

1) Connect PC to network

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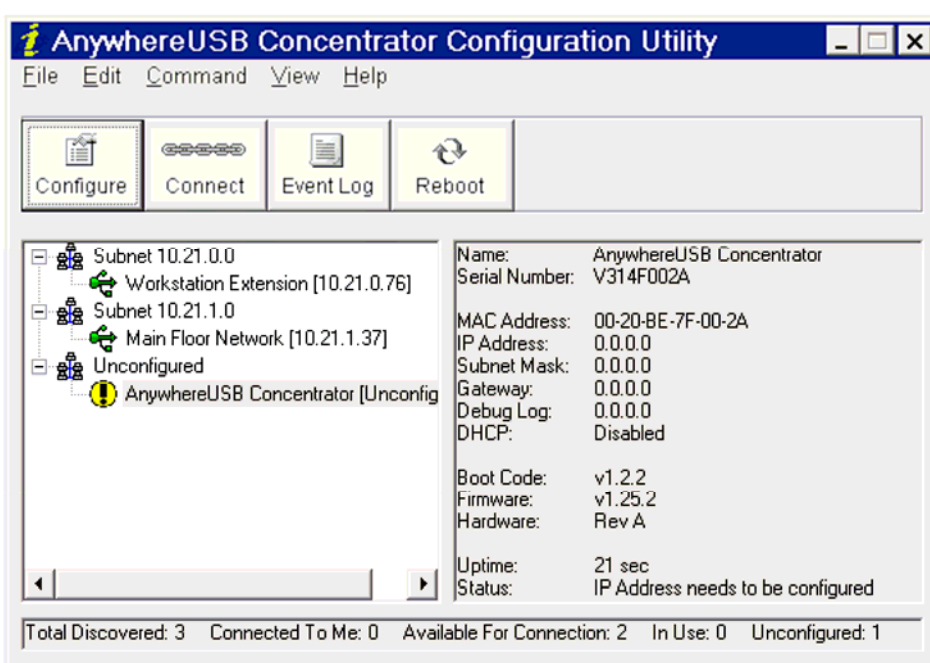

Fig 2 AnywhereUSB configure screen

5) Select the AnywhereUSB hub where the MicroFlex 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 MicroFlex.

6) Connect MicroFlex to AnywhereUSB using supplied USB cable
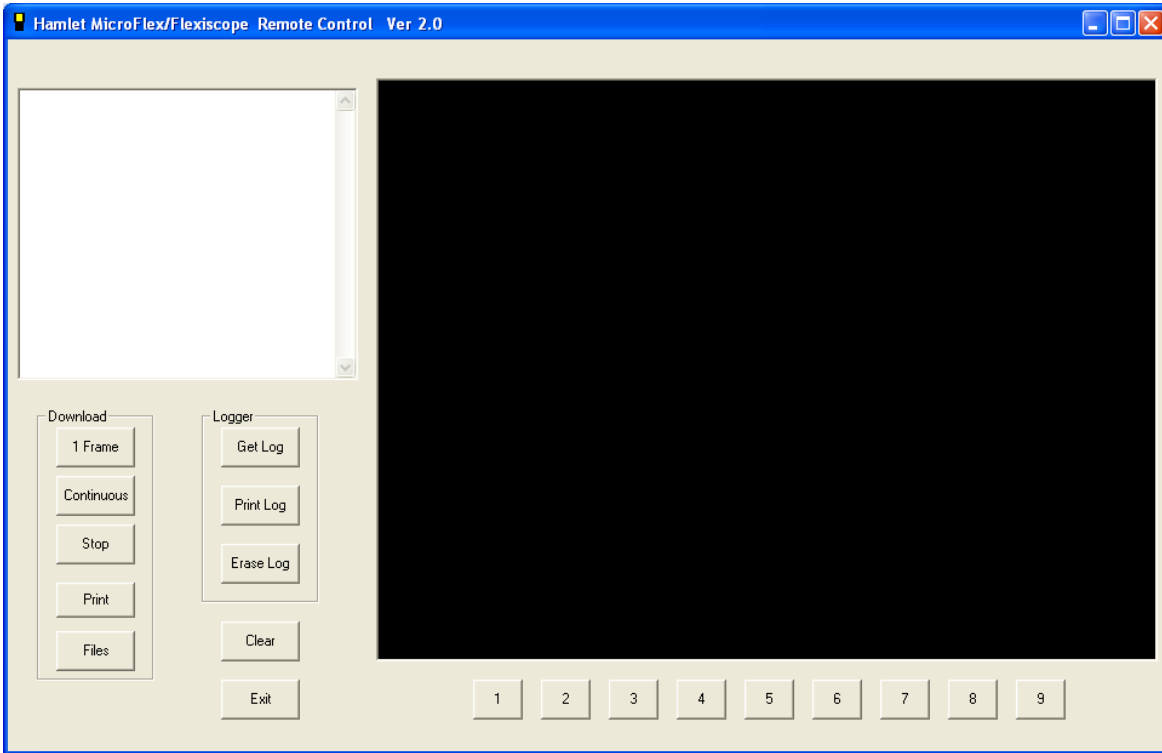
7) Turn MicroFlex on.

8) Start the MicroFlex software

Fig 3 MicroFlex Remote control software screen

APPENDIX A

Trouble Shooting

If the PC can't communicate with the MicroFlex 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 MicroFlex?

3) Is the MicroFlex powered up correctly?

4) Have the MicroFlex drivers been installed on PC? If not or if a driver install request appears the drivers are in the C:\program files\ MicroFlex directory.

5) Turn MicroFlex off then on again to allow USB to recognize that the MicroFlex 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**

CONTACT DETAILS AND CUSTOMER SUPPORT

For any form of assistance in maintaining your MicroFlex, 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.