Hamlet Video International Ltd

Application Note
FS1

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

Issue 1.1   **20/01/08**

Operation with a Personal Computer.

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.

Required equipment

Hamlet Flexiscope
Hamlet Flexiscope software
USB cable (supplied with FlexiScope)
PC running Microsoft Windows XP or later

To install the supplied software.

PC requirement: A free USB connection, 5MB hard disk space, CD Rom drive, Windows XP or later.
Insert Flexiscope CD Disk into CD drive.
The program will auto run
If not using 'My Computer' double click on the CD Rom icon then double click on the setup.exe icon.
Follow the onscreen instructions to complete the installation.
The software will be installed in the C:\Program Files \ flexiscope folder.
For ease of operation an icon for the Flexiscope program short cut will be put onto the desktop, then just double click on this icon to run the application.
Drivers for the Flexiscope are also located in this directory if the automatic hardware install does not find them.

Or a zip file downloaded from the internet
Unzip the compressed file into a location on your hard disc
Using 'My Computer' go to the directory the unzipped Flexiscope files are then double click on the setup.exe icon. Follow the onscreen instructions to complete the installation.

For ease of operation an icon for the Flexiscope program short cut will be put onto the desktop, then just double click on this icon to run the application.

Drivers for the Flexiscope are also located in this directory if the automatic hardware install does not find them
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Hardware Connection to the Flexiscope.
Connect an USB cable (supplied) from a USB port on the PC to the miniature USB connector on
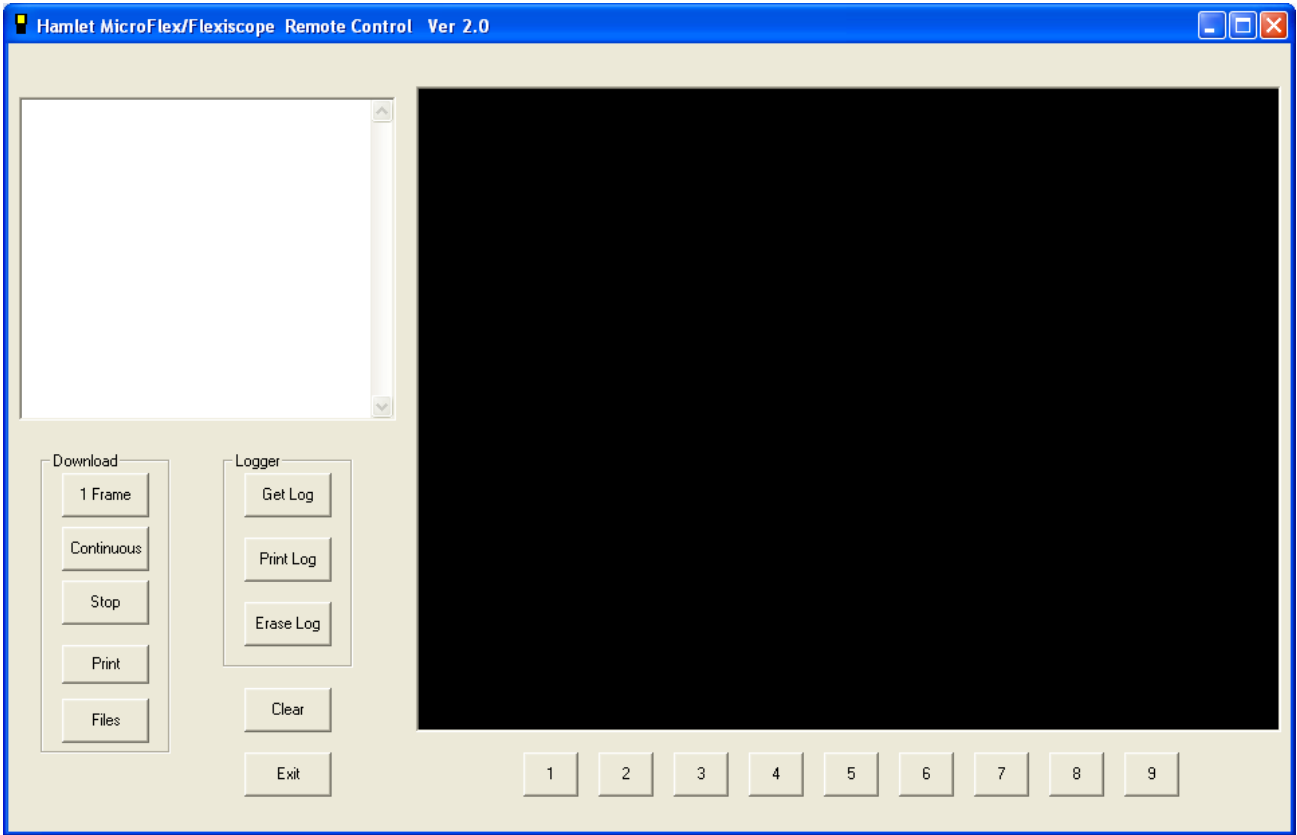the Flexiscope.

Operation

Fig 1 remote software main startup screen

When USB connection has been established the buttons 1 – 9 will operate the corresponding buttons on the front of the Flexiscope

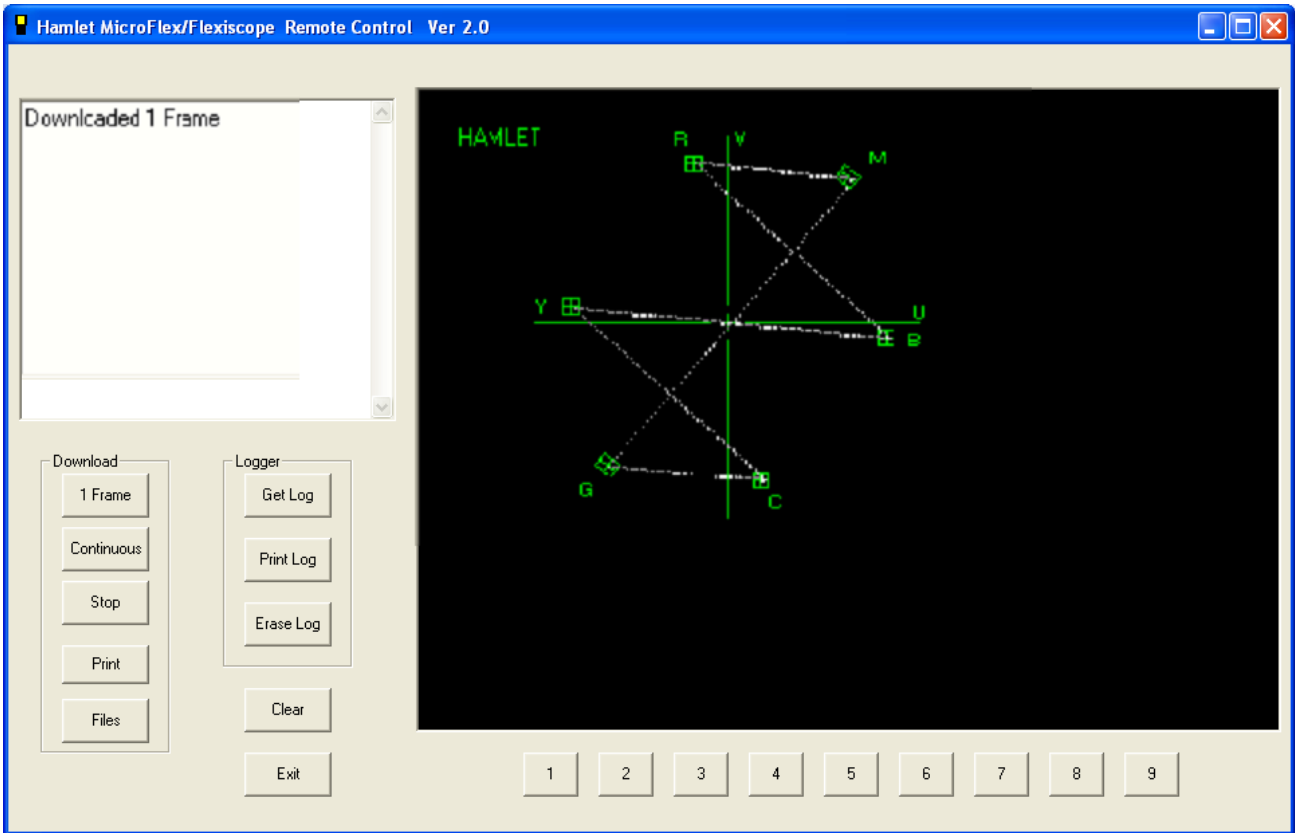## Downloading the Flexiscope video display to the PC.

Fig 2 remote software download screen

Download 1 Frame.
This button will download to the PC the current display on the unit, the time taken will depend on the baud rate and the complexity of the image.
As well as the image being displayed the time, date, range and gain are appended to the bottom of the screen.

Continuous Download.
This button will download to the PC the current display on the unit as the previous button, but will repeat continuously at a rate dependant on the baud rate until the
Stop Download button is pressed.

Files
This button allows the current download frame to be stored as a .bmp file using the store button and also to display previously stored frame captures using the display
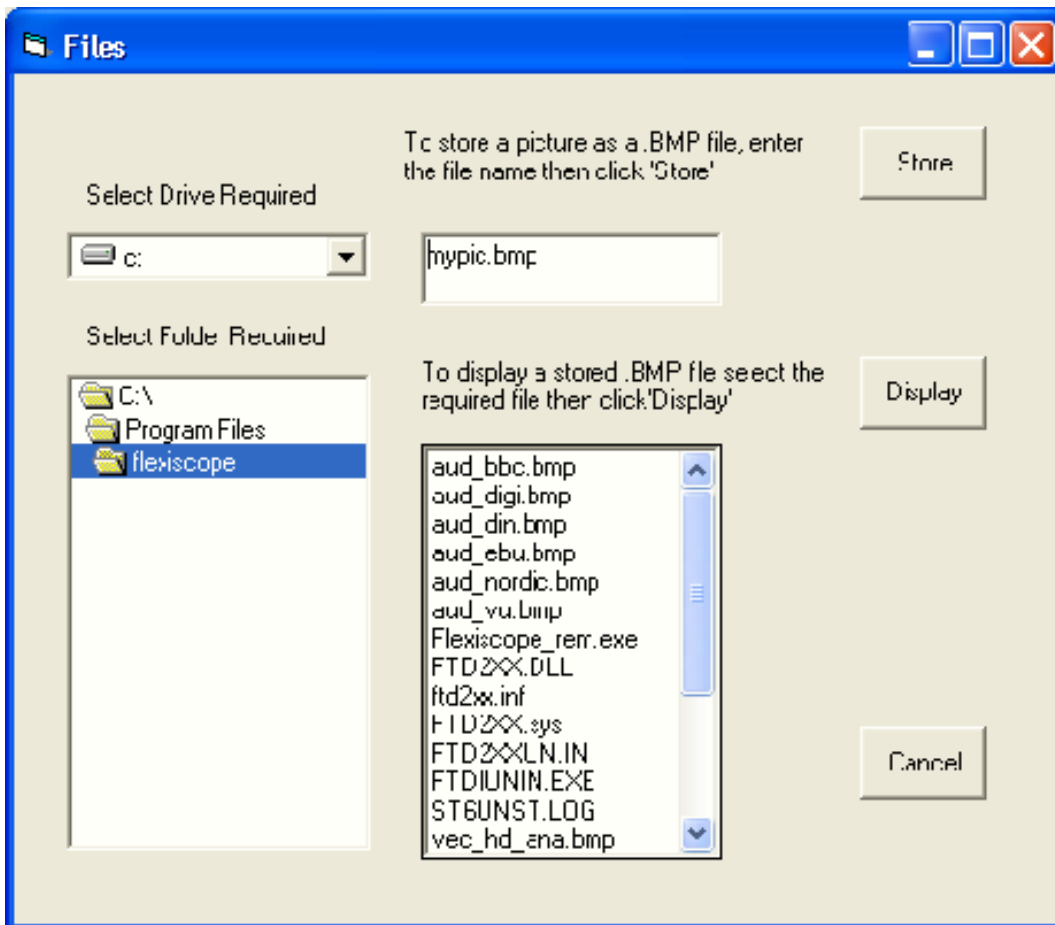button. Use the cancel button to return to the remote control window.

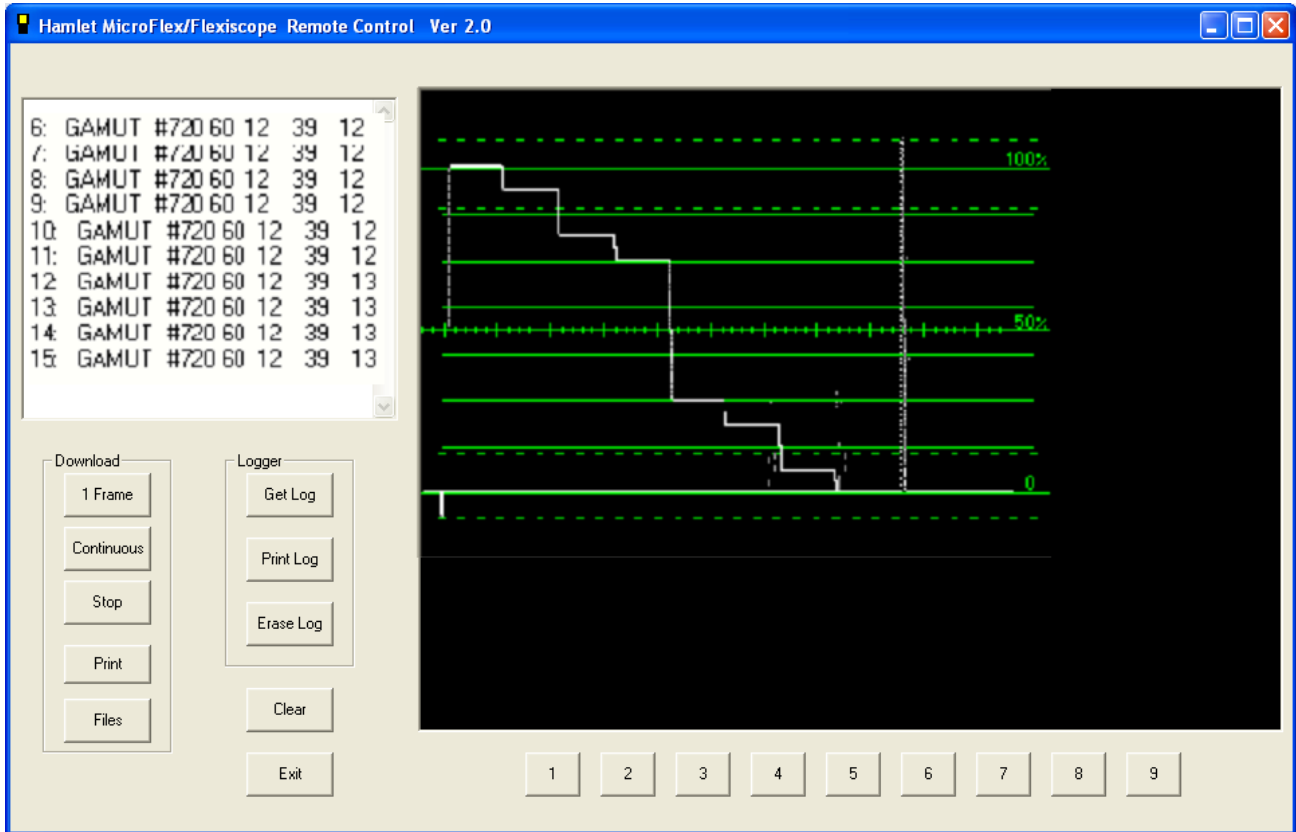Fig 3 Frame capture and recall window

Error log.

Fig 4 remote software logger screen

Get Log
Allows the current log file in the Flexiscope to be downloaded and viewed.

Print Log
Allows the contents of the error log file that has been downloaded from the Flexiscope to be printed to the Windows default printer.

Erase Log
Erases the current log file in the Flexiscope

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 PC?

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

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 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.