



Hamlet Video International Ltd

Application Note

Remote operation of Hamlet DigiScope DS9000 from a Personal Computer using USB.

Issue 1.1

20/01/08

Operation with a Personal Computer.

The DS9000 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 DigiScope DS9000 Hamlet HD-Scope software USB cable 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 \ HD_Scope folder.

For ease of operation an icon for the DS9000 program short cut will be put onto the

desktop, then just double click on this icon to run the application.

Drivers for the DS9000 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 DS9000 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 HD-Scope program short cut will be put onto the desktop, then just double click on this icon to run the application.

Drivers for the DS9000 are also located in this directory if the automatic hardware install does not find them



Hardware Connection to the DS9000.

Connect an USB cable from a USB port on the PC to the miniature USB connector on the DS9000.

Operation

Hamlet DS/MS9000) Remote Control Ver 1.1	
Valid	WFM VECT AUDIO No MS/DS9000 found, Check Power & USB Connectors	_
E CH2	CURS LOGGER ALARM GAMUT +	
EYE	DATA DISPLAY PICTURE	
n Audio		
REC	1 2 3	
STO	4 5 6	
	7 8 9	
		~
		xit

Fig 1 remote software main startup screen

When USB connection has been established the buttons and lights will reflect the current DS9000 settings.

Pressing a button on the remote software control panel will send commands to the DS9000 for the appropriate operation.

If rotary control adjustment is required the appropriate blue circle should be used on the control panel using the arrow selection for direction of rotation and then clicking the left mouse button.

🛠 Hamlet DS/MS9000 Remote Control 🛛 Ver 1.1 Logger DownLoad Help Get Screen from MS/DS9000 Valid Store/Display Screen Files No MS/DS9000 found, VECT AUDIO Г Print Screen Normally Check Power & USB Connectors Print as Black on White GAMUT + LOGGER ALARM E Select Printer to Use GAMUT-DISPLAY EYE DATA PICTURE Г Г AUDIO 1 2 3 REC 4 5 6 STO 7 8 9 Exit

Downloading the DS9000 video display to the PC.

Fig 2 remote software showing the download menu

Get Screen.

This menu item allows the currently displayed frame on the DS9000 to be downloaded to the PC. As well as the image being displayed the time, date, range and gain are appended to the bottom of the screen.

Print Screen Normally

This menu item allows the current download frame (black background) to be printed on an installed printer.

Print Screen Black on White

This menu item allows the current download frame (white background) to be printed on an installed printer .

Printer Selection

This menu item allows the printer to be selected from the available installed printers.

Store/Display Screen Files

This menu item 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.

🖻 Files		
Select Drive Required	Tic store a picture as a .BMP file, enter the file name then click 'Store' [hypic.bmp	Store
Select Fulde Recuired	To display a stored .BMP file select the required file ther click'Display' aud_digi.bmp aud_digi.bmp aud_din.bmp aud_rou.bmp aud_vu.bmp aud_vu.bmp Flexiscope_rem.exe FTD2X.DLL ftd2xx.inf FTD2X.LDL ftd2xx.inf FTD2X.LNIN FTDUNIN.EXE ST6UNST.LDG vec_hd_ena.bmp	Display

Fig 3 Frame storing and recall window

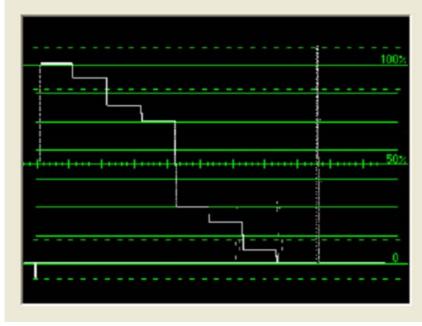


Fig 4 remote software example download

Error log.

ogger DownLoad Help Get Log from MS/DS9000						
Print Log Erase MS/DS9000 Log	WFM	VECT	AUDIO	_ [No responce from USB	<u>^</u>
Clear Select Printer to Use	CURS	LOGGER	ALARM	드 GAMUT + 드 GAMUT-		
EYE	DATA	DISPLAY	PICTURE			
	1	2	3			
REC	4	5	6			
STO	7	8	9			
			×			~
	्र	K		YOL		Exit

Fig 5 remote software logger download menu

Get Log.

This menu item allows the currently log file on the DS9000 to be downloaded to the PC.

Print Log.

This menu item allows the currently log file on the PC to be printed.

Erase Log.

This menu item erases the current log file on the DS9000.

Clear.

This menu item allows the displayed log file in the software control panel to be cleared..

Printer Selection

This menu item allows the printer to be selected from the available installed printers.

Hamlet DS/MS9000	Remote Control Ver 1.1	
Valid		
CH1	WFM VECT AUDIO 6: GAMUT #720 60 12 39 7: GAMUT #720 60 12 39	12 <u>^</u> 12
CH2	CURS LOGGER ALARM GAMUT + 8: GAMUT #720 60 12 39 CURS LOGGER ALARM F GAMUT + 8: GAMUT #720 60 12 39	12 12
EYE	DATA DISPLAY PICTURE 10. GAMUT #720 60 12 33 11: GAMUT #720 60 12 33 12: GAMUT #720 60 12 33 12: GAMUT #720 60 12 33	9 12 9 13
n AUDIO	13. GAMUT #720.60.12.33 14. GAMUT #720.60.12.33 15. GAMUT #720.60.12.33	9 13
REC	1 2 3	
STO	4 5 6	
	7 8 9	
		~
		Exit

Fig 6 remote software logger download example.

APPENDIX A

Trouble Shooting

If the PC can't communicate with the DS9000 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 DS9000?

3) Is the DS9000 powered up correctly?

4) Have the DS9000 drivers been installed on PC? If not or if a driver install request appears the drivers are in the C:\program files\HD-Scope directory.

5) Turn DS9000 off then on again to allow USB to recognize that the DS9000 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 DigiScope, 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.