N° INF06/099 Issue 3

Product SM500F, SM1000, SM2000 and SM3000 Manual IM/SM500F, IM/SM1000, IM/SM2000, IM/SM3000

INFORMATION

SM Series Videographic Recorders – PC Emulator Quick Start Guide

1 Emulation Tips

- 1. The status of the Internal security switch on the SM Series recorders is simulated on the emulator by using the key combination 'Control & S' (SM1000, SM2000 and SM3000) or 'Shift & S' (SM500F).
- 2. The virtual operator keys (SM1000 shown as an example) provide the same function when clicked as their counterparts on the recorders and are used to access the Configuration and Setup levels and to change views.



3. Navigate Operator level menus using the mouse or the PC's keyboard Up/Down navigation keys.



4. Enter text and numbers in tags etc. into the text box provided using the PC's keyboard and confirm by clicking the 'OK' button.



5. Use the Up/Down keys on the PC's keyboard to navigate a list of options when using the SM500F, SM1000 or SM3000 emulators.

Туре						
	Off					
	millivolts					
	milliamps					
	Volts					
	Resistance					
	Resistance thermometer					
	Thermocouple					
	Simulated ramp					
	Simulated sinewave					
	Simulated ramp & hold					
	Simulated random					
	Volt free digital input					
	СОК					

- 6. Configuration Files can be opened from, or saved to, any local directory or network directory accessible to the PC.
- Ethernet module settings cannot be set in the emulator they are stored in the recorder's registry and not in the configuration file.
- When storing configurations to a media card, it is not normally necessary to format the card as most are supplied pre-formatted. However, if it is necessary to format the card, FAT type is preferable.



2 Creating a Configuration on an Emulator for Transfer to a Recorder

- 1. Connect a suitable card reader to the PC running the emulator.
- 2. Insert a media card in the card reader.
- 3. Open the emulator.
- 4. Click the emulator's <u>select</u> key and select 'Configuration' using the mouse.

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Scales Trace Select Alarm Acknowledge	Scales Trace Select Alarm Acknowledge AutoView Scroll
Trace Select Alarm Acknowledge 🕨	Trace Select Alarm Acknowledge AutoView Scroll
Alarm Acknowledge 🔸	Alarm Acknowledge
	AutoView Scroll

5. Select 'Operator 1' followed by 'Edit Current Configuration'.



6. Create the required configuration on the emulator.

Note. When configuring the emulator, enter all required Option boards into the I/O modules page to make them available for configuration.

7. When configuration is complete, close the emulator using the exit button in the top right hand corner of the emulator window.



8. Select 'Save Configuration'.



9. From the 'Save As' window, select the drive representing the card reader.

Save As	5		? 🗙
Save in: 🛐	My Computer: GB-L-4400000156	- 🗢 💼 🖬	
Cocal Dis DVD/CD- Removal	k (C:) RW Drive (D:) Die Disk (E:)		0.060
	<i>u</i> -		
<			>
K File <u>n</u> ame:	11_38_30 11Jul06 SM3000.cfg		Save

- 10. Save the configuration file in a folder on the media card called 'SM1000', 'SM2000', 'SM3000' or 'VRD' (for the SM500F)' depending on the recorder for which the configuration is intended.
- 11. Exit the emulator.
- 12. Open 'My computer'.
- 13. Right-click the drive representing the card reader.
- 14. Select 'Eject' and remove the media card.

3 Loading a Configuration into a Recorder

- 1. Insert the media card containing the configuration file into recorder.
- 2. Select archiving on- or off-line as required (if prompted).
- 3. Press and select 'Configuration' followed by 'Operator 1'.
- 4. Select 'Open a Configuration'.



5. Select 'External Storage'.



- 6. Use the 🛋 and 💌 keys to highlight the configuration created on the emulator and press 🖃 .
- 7. Press 📰 and select 'Exit'.
- 8. Select 'Save as Current Configuration' and press \blacksquare .



4 Saving a Configuration from a Recorder

1. Create a configuration on the recorder in the same way as with emulation.

Note. I/O Modules fitted are recognized automatically by the recorder and cannot be selected manually.

- 2. Press 📰 and select 'Exit'.
- 3. If the configuration is to be both saved to the media card and used on the recorder, select 'Save as Current Configuration'. If the configuration is to be saved *only to the media card*, select 'Save Configuration'.



4. Select 'External Storage' to save to the media card.



- 6. Eject the media card from the recorder.

5 Loading a Configuration into an Emulator

- 1. Insert a media card into a card reader connected to the PC.
- 2. Open the emulator.
- 3. Click the emulator's 💷 key and select 'Configuration' using the mouse.

Configuration 📐 🕨	· Operator 1
Setup 😽 ,	· Operator 2
Sign Chart 🔹 🕨	Operator 3
Historical Poviow	Operator 4
Onerator Messaries	Operator 5
Chart Annotation	Operator 6
Screen Interval	Operator 7
Scales	Operator 8
Trace Select	Operator 9
Alarm Acknowledge	Operator 10
AutoView Scroll	Operator 11
nato non ocron	Operator 12

4. Select 'Operator 1' followed by 'Open a Configuration'.

Operator 1	
Edit Current Configuration	1
Open a Configuration	
New Configuration	
Cancel	×
Disable recording in configuration	
 Load security configuration from file Retain security configuration in inst 	e rument

5. From the 'Open' window, select the drive representing the card reader.

Open			?	X
Look in:	My Computer: GB-L-4400000156	• 🗢 🗈) 💣 🎟 🔻	
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<	Ш			>
File <u>n</u> ame:	.cfg		<u>O</u> pen	
Files of type:	Config files (*.cfg)	•	Cancel	

6. Select and open the required configuration.

Notes

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