INFORMATION

N° INF09/015 Issue 1

Product SM500F, SM1000, SM2000, SM3000

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

SM Series Videographic Recorders – Downloading Data

1 Introduction

This publication summarizes the various methods for downloading data from a SM Series Videographic Recorder and uploading it to ABB's DataManager data analysis add-in for Microsoft[®] Excel.

Note.

- This publication assumes that DataManager is installed on a PC being used to analyze the data. Click the following link (if viewing this document as a PDF) or copy and paste it into a browser address bar to download a copy of DataManager: http://search.abb.com/library/Download.aspx?Docu mentID=DataManager&LanguageCode=en&Docume ntPartId=&Action=Launch
- The screenshots used in the publication are from the SM2000 but all other recorders are similar.

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3 Memory Card Method

To download data using a memory card:

- 1. Press the 🔳 key.
- 2. Select 'Setup' (SM1000/2000/3000) or 'Logging' (SM500F) from the Operator menu:



- 3. Press the 🗔 key.
- 4. Select 'Off-Line' from the Setup/Logging menu:



- 5. Ensure the memory card icon in the status bar changes from green 🖃 to grey 🗐.
- 6. Remove the memory card from the recorder and insert it in a suitable card reader connected to a PC.
- 7. Launch Microsoft Excel.
- 8. Click the DataManager toolbar 🗟 icon.
- 9. Select the drive holding the memory card containing the files to be imported from the drop-down list:



10. Click Add all -> and then _____.

| 01031701Feb06Ch 1A 01031701Feb06Ch 2A 01031701Feb06Ch 2A 01031701Feb06Ch 2A 011312320eb06Ch 2A 011312320eb06Ch 2A 011312320eb06Ch 2A 011312320eb06Ch 2A 0100220006Ch 2A 0100220006Ch 1A 02000220006Ch 1A 02000220006Ch 1A 02000220006Ch 1A 02000220006Ch 1A 02000220006Ch 1A 02000220006Ch 1A 02000220006Ch 1A 020002000605Ch 2A 020002000605Ch 2A 02000000005Ch 2A 02000000005Ch 2A 020000000005Ch 2A 020000000005Ch 2A 02000000005Ch 2A 020000000005Ch 2A 020000000005Ch 2A 020000000000000000000000000000000000 | <- Select all <= Unselect all Add => Remove <= Add all -> Remove all <= | | |
|---|--|--------|--------|
| | | Cancel | Import |

When import is complete, the confirmation message is displayed:



- 11. Click to close the 'Select files to import' dialog.
- 12. Click the DataManager toolbar 🛍 icon.

Instrument SM2000(A/12345/1/2)

- 13. Select the recorder that produced the data to be analyzed.
- 14. Select the process group.

Group: Process Group 1

15. Using the sliders, adjust the time period to analyze.



16. Click either or or to display the data for analysis in either chart or spreadsheet format.

| Cancel | Create Chart | Create Spreadsheet | |
|--------|--------------|--------------------|--|
| | | | |

4 Ethernet Method

To download data over an Ethernet connection:

- 1. Launch Internet Explorer.
- In the 'Address' bar, type 'ftp://' followed by the IP address of the recorder from where the files are to be downloaded. The following dialog is displayed:

| Log On | As 🛛 🔀 |
|--------|---|
| ? | Either the server does not allow anonymous logins or the e-mail address was not accepted. |
| | FTP server: 10.44.211.49 |
| | User name: Operator 1 |
| | Password: |
| | After you log on, you can add this server to your Favorites and return to it easily. |
| ⚠ | FTP does not encrypt or encode passwords or data before sending them to the server. To protect the security of your passwords and data, use Web Folders (WebDAV) instead. |
| | Learn more about using Web Folders. |
| | Log on anonymously |
| | Log On Cancel |

3. Type the 'User Name:' and 'Password:' for the recorder and click on 'Login'. The contents of the recorder (see following example) is displayed:

| e Edit Yew Favorites Iools | Help | | | 4 |
|--|------------------------------|----------------------------|-------------|-----------------------|
|) back - 🔘 - 🎓 💕 🛛 | Y 🔎 Search 🜔 Folders | ···· • | | |
| drecc 🙀 Rpc//10.44.211.49/ | | | | S |
| Other Places (2) Ø Internet Explorer (2) My Documents (2) Ø Hy Network Haces (2) | Plash_Disk My Documents Prog | an Files Storage_Card Temp | Windows www |) |

- 4. Open the 'Storage_Card' folder (SM1000, SM2000 and SM3000) or the 'SDMMC' folder (SM500F) containing the file to be displayed.
- 5. Open the named folder SM1000, SM2000, SM3000 or VRD (SM500F).

- 6. Select the file or files to be copied. Use the 'Shift' and 'Ctrl' keys to select more than one file.
- 7. Click the right mouse button to display the following menu:

| ftp://10.44.211.49/Storago_Ci | rd/SM3000/ Microsoft Interne | it Explore | r provided by | A88 | |
|------------------------------------|--|---------------|---------------|------------------|----------|
| le Edit View Pavorites Took | ню | | | | A |
| 3 teck • 🔘 · 🤌 💕 | 🎬 🔎 Search 🜔 Polders | | | | |
| idress 🗿 ftp://10.44.211.49/Storag | e_Card/SM3000/ | | | | 👻 🔁 Go |
| | Name - | Size | Туре | Modified | |
| Folder Tasks 🔅 | a 01 27 233an07943000-1 AE0 | 1.23 KB | AEO File | 23/12/2007 03:04 | |
| On House the second data of house | 01_33 233xn07Gruppo d proc | 11.1 KB | EE0 File | 23(12)2007 03:08 | |
| Move the selected Kems | 01202423Dic07Ch1_1Avig5M | 720 bytes | V00 File | 23/12/2007 03:04 | |
| Copy the selected items | 01282423Dic07Ch1_2AvlgSM | 728 bytes | V00 File | 23/12/2007 03:04 | |
| X Delote the selected items | and a state of the | 728 bytes | voo rite | 23(12)2007 03:04 | |
| | 012024200k07ch1 44vkgM | 720 bytes | YOO File | 23/12/2007 03:04 | |
| | 01282423Dk07Ch1_5AvlgSM | 728 bytes | V00 File | 23/12/2007 03:04 | |
| Other Places 🔊 | 012824230k07Ch1_6AnlgSM | 728 bytes | V00 File | 23(12)2007 03:04 | |
| Comment Card | 010510200k07Ch1_1Anlq5M | 720 bytes | V00 File | 23/12/2007 03:00 | |
| a maate_care | a01351323Dic07Ch1_2Avig94 | 728 bytes | V00 File | 23/12/2007 03:08 | |
| My Documents | ani 351 3230k07/chi 34Alg5M | 728 bytes | V00 File | 23(12)2007 03:08 | |
| See My Network Places | 01351323Dic07Ch1_4Arlq5M | 720 bytes | V00 File | 23/12/2007 03:00 | |
| | 01351323Dic07Ch1_5AvlgSM | 728 bytes | V00 File | 23/12/2007 03:08 | |
| | 013513230600 | | voo rile | 23(12)2007 03:05 | |
| Details 📀 | P 02 47 07 260 | <pre>cp</pre> | CEGEN | 26/10/2000 02:47 | |
| | 02331323Dict7 Copy To Fold | or 👳 | V00 File | 23/12/2007 03:06 | |
| | 12331323Detta | k | VIII File | 23/12/2007 03:06 | |
| | Cut | 63 | V00 File | 23/12/2007 03:05 | |
| | Copy | | V00 File | 23/12/2007 03:05 | |
| | Rest Paster | × | VIII File | 23/12/2007 03:06 | |
| | 2 02331323Dk.07 Delete | 5 | V00 File | 23/12/2007 03:06 | |
| | 08_12_11 03Fe Rename | 8 | CFG File | 03/02/2009 08:12 | |
| | dis_15 conebos | 08 | XED File | 16/04/2009 10:51 | |
| | 05 21 40 1994 Properties | 10 | chig nile | 19/05/2006 06:21 | |
| | 08_38_06 03Fob07 SM3000 I | 77.6 KB | CFG File | 03/02/2009 08:38 | |
| | THE 46 LEADERS DOLD IN MICH. | 3.91 KR | FEILEIM | 1604/2009 UPS1 | |

8. Select the 'Copy To Folder' option. The 'Browse for Folder' window is displayed:

| Browse For Folder | | | | | |
|--|-----|--|--|--|--|
| Copy the selected item(s) to the folder: | | | | | |
| | | | | | |
| Desktop | ~ | | | | |
| I I My Documents | | | | | |
| B 👱 My Computer: GD-L-1400000156 | | | | | |
| 🗷 🧐 My Network Places | | | | | |
| Common OLH Piles | | | | | |
| AP300 Launch Docs | | | | | |
| Image: AP Service Docs for Library | | | | | |
| Application Description - Q4 | | | | | |
| Application Guide Templates | | | | | |
| 🕷 🛄 Data Sheet - A4 | | | | | |
| IN_DATINGR Issue 9 SFM | | | | | |
| III C IM SMENET Issue 5 SFM | - | | | | |
| Information Bulletin - Q4 | | | | | |
| H D Manual - A4 | ~ | | | | |
| | | | | | |
| Folder: My Documents | | | | | |
| | | | | | |
| Make New Folder OK Can | cel | | | | |
| | | | | | |

- 9. Select the drive and folder to which the file is to be copied.
- 10. Click on OK. The file is copied into the selected folder.
- 11. Import the files into DataManager and open them for analysis see Section 3 steps 7 to 16.

5 File Transfer Scheduler (FTS) Method

To download data using ABB's FTS software:

1. Install the FTS software.

Note. Click the following link (if viewing this document as a PDF) or copy and paste it into a browser address bar to download a copy of the FTS software: http://search.abb.com/library/Download.aspx?Docu mentID=FTS.exe&LanguageCode=en&DocumentPartI d=&Action=Launch

2. Click the zero to launch FTS. The FTS schedule window is displayed:



 Click + to create a new schedule. The 'Schedule' dialog is displayed:

| Schedule | |
|--|---|
| Schedule Name | ОК |
| Unit IP address | Concel |
| FTP Usemame | Possword |
| Schodulo (In | CI/PROGRA*11/ABB/FILETR*1 Target Directory Browse |
| Cundation of Sunday Monday Tuesday Wednesday Thursday Finday Setunday | [#] Al Fired Times [™] Hourly [™] Din Program Start Front Transfer Al ([™]) Second Transfer Al ([™]) That Transfer Al ([™]) Fronth Transfer Al ([™]) |
| - Files to be Transle | Add File Premove File |

4. Type a schedule name to identify the recorder it refers to:



5. Type the recorder's IP address and select the recorder type from the drop-down list:



6. Type the recorder's FTP username and password:

FTP Usemame Password

7. Select a destination where the data will be stored:

C:\PROGRA''1\ABB\FILETR''1 Target Directory Browse

8. Select the day(s) and time(s) to transfer the data:

| Schedule On | Schedule At | | |
|-------------|------------------------------------|----------|--------------------|
| Sunday | At Fixed Times | C Hourly | C On Program Start |
| C Monday | First Transfer At 00 • : 0 | | - |
| T Wednesday | Second Transfer At 0t - | | |
| Thursday | Third Transfer At | | |
| E Friday | Fourth Transfer At | | |

9. Select the files to be transferred:

| Files to be Transforred | | | | | Add File Remove File |
|-------------------------|-----------------|---|----------------------|--|-------------------------|
| | Hite Definition | × | Filonamo Tag Data | Dennel Orde Induit D. 201 Chevel Orde (1.4, 1. 1. 1.) Chevel Orde (1.4, 1. 1.) Austro (1.4, 1.) Austro (1.4, 1.) Austro (1.4, 1.) Group Log (1.4, 1.1.4) Austro (1.4, 1.4, 1.4) | OK Cancel |

10. Click to save the schedule:



11. Import the files into DataManager and open them for analysis – see Section 3 steps 7 to 16.

Notes

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