

User Guide for



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- Observe the general guidelines when handling components or modules which can be damaged by electrostatic charge or discharge (this applies to the products described in this manual).
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HB_USB_Copy_21_e13.qxd4 · Version 1.3 English · 11/2007 · For software version 1.0.5 and above





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1. Introduction

1.1 Product description

The USB Stick CopyStation 21 allows for easy duplication of data images to up to twenty-one USB memory sticks simultaneously.

The USB Stick CopyStation 21 consists of a case with built-in power supply and three internal 7-port USB hubs. They are connected to the supplied USB 2.0 PCI card using three coloured USB cables. The CopyStation is supplied with altec-developed copying software for Windows which has a bilingual user interface (English and German).

System requirements for using the USB Stick CopyStation 21 include a PC with Microsoft Windows XP and a free PCI slot.

Moreover, 21 drive letters need to be available on the PC in order to be able to assign one drive letter to each USB Stick slot.

USB 2.0 and USB 1.1 memory sticks can be used in the USB Stick CopyStation 21. The USB sticks must be less than 11 mm in width and less than 42 mm in heights, if all 21 USB slots are to be used. There are no restrictions concerning the lengths of the USB sticks used.

The USB memory sticks need to be supported by Windows XP. We strongly recommend that you only use USB memory sticks from international brand manufacturers such as SanDisk, Lexar or Transcend (see chapter 8.4).

The following **software options** are currently available:

- Optional software interface for data exchange with external applications. This allows you to modify the data which is being copied, e.g. by assigning individual serial numbers or applying data encryption.
 Software interface for e.g. external serialization – 31AL1854
- 2.) Software option for creating and copying smaller image files. This allows programming to take place much faster if the master (source) USB stick is only partly filled with data.

Software Short Image Files – 31AL1852

3.) File Copy option to copy files from a specified directory to FAT format USB sticks instead of copying from an image file; the sub-directory structure (if present) is also copied.

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Software File Copy – 31AL1857

In addition, the CopyStation software can be modified to meet custom requirements. Please contact us for further information.

1.2 Features

- Duplication of data images to up to 21 USB memory sticks simultaneously.
- In-house developed copy software with the same «look & feel» as all other altec CopyStations, for Windows XP.
- English or German user interface selectable.
- Job Wizard to specify parameters for the copy job such as the image file name, number of copies and whether to verify after writing or not.
- The USB Stick CopyStation 21 is supplied with a built-in power supply, three internal 7-port USB 2.0 Hi-Speed Hubs, three coloured USB cables and a USB 2.0 PCI card for the PC; it is compatible with USB 2.0 and 1.1 memory sticks.
- Copies up to 21 USB 2.0 sticks with 512 MB in less than 6 minutes (speed depends on USB stick type and USB connection).

1.3 Scope of delivery

- Quick Start Guide. Software and User Guide (as PDF file) on a CD ROM.
- Case with sockets for 21 USB memory sticks and a built-in 80 Watt power supply (110-230 Volt).
- Three coloured 1.4 m USB cables.
- PCI card for the PC with four USB 2.0 ports, incl. hardware installation guide.





2.1 Installing the hardware

Install the USB 2.0 PCI card in your PC as described in the supplied hardware installation guide. If you are using Windows XP you do not need to install any drivers.



Then plug the three coloured USB cables into the corresponding sockets on the USB 2.0 PCI card (see figure on the left).



Connect the USB Stick CopyStation 21 to a power outlet socket with the supplied power cable (see arrow in the figure on the left).

2.2 Installing the software

Copy the USB-Copy program folder from the software CD **to your computer hard disk**. You can freely select the target directory.

In order to start the USB Stick CopyStation program, double-click the "**usbcopy21.exe**" file in the program folder.

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You need to have administrative rights to run the program properly.

3. Starting the software and logging in

3.1 Starting the software



After the first start of the program "**usbcopy21.exe**" you have to select German or English as the user interface language (see figure left). This can be changed later (see page 17).

After every start of the program, you have to accept the license agreement by clicking "OK".

3.2 User log in

After accepting the licensing agreement you will be shown the login dialog box (see figure). The default user name and password to log in as the administrator is **admin** and **admin**.

The default user name and password to log in as a normal user is **user** and **user**. In this case you are only given limited rights to the program functions. You can only open and run existing copy jobs.

After successful user login the following program window appears (see figure on the next page).



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4. Copying from data images

4.1 Creating an image file

The storage capacity of the master (source) USB stick must be identical to the storage capacity of the destination sticks (the sticks onto which you want to copy). Accordingly, we strongly recommend that the master stick and the destination sticks are from the same manufacturer and preferably from the same manufacturing batch.

After logging in as **admin**, insert the master stick in the CopyStation.

After a short delay, the color of the slot changes to blue to indicate that a stick is inserted (see figure below).



Empty slots are shown in black. Slots are also shown in black if the memory stick they contain cannot be recognized or does not respond.

Choose "**Create Image**" in the "**Run**" menu to create an image of the master memory stick.



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This opens the "Create Image Options" dialog box (see
figure below).

🕢 Image Copu	Name of the Image File	Select
Create short Image	C. wy bootine is to be_or z_mb.ing	56664
	Base Path	
C File Copy		Select
ot Nr. 1		

Save As			? 🔀
Save in: [My Documents	- + 1	* 💷 -
My Music	s		
File name:	USB_512_MB.img		Save

Click the "**Select**" button and enter the required name and location for the image file in the "**Save As**" dialog box which is shown (see figure left).

Use the file extension "**.img**". Click "Save" to save your settings. Then specify the slot which contains the master stick by entering the slot number. Slot number 1 is on the top left.

Click "OK" to read the stick contents and create the image file. Progress is shown in the main window using a progress bar (see figure on next page). The color of the chosen slot changes to yellow (slot is busy).

The image has been fully created when the progress bar reaches 100%, the message "Operation done" appears in the message panel on the left of the main window and the slot color changes to green again.

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4.2 Optional: Creating a short image file

This feature is only available if you have purchased the software option Short Image Files (Item no. 31AL1852).

USB memory sticks often only need to be partly filled with data. The rest of the media is left empty and can be used by the customer to store his or her personal files. The Short Image Files software option significantly speeds up copying smaller amounts of data.

The Short Image Files software option only supports USB sticks which have a block size of 512 bytes (see page 19 for instructions on how to check the block size) and which are FAT(16) or FAT32 formatted.

The FAT (File Allocation Table) of the file system stores information on memory blocks which contain user data. By analyzing the FAT, the CopyStation software can determine the last block of memory which contains user data. If you create a short image file, it will only contain data for memory blocks which are being used.

To maximize the speed benefit (minimize the size of the short image file), the master (source) memory stick should not have fragmented data blocks. Data blocks get fragmented if the stick has often been written to since it was last formatted.

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If necessary, format the source memory stick and copy the data back on again before using it to create the short image file.

When making copies using a short image, it is only necessary for the CopyStation to write data to some of the memory blocks in the destination memory stick. This leads to a speed advantage. However, if the destination stick has already been used to store files, some of the unused and unwritten blocks may still contain old data. Although the old data will not appear as files in the file system (directory), in some cases the data can be analyzed using special software tools. This could present a security risk if the memory stick was previously used to store sensitive information.

For short images too, the storage capacity of the master (source) memory stick must be identical to the storage capacity of the destination sticks (the sticks onto which you want to copy).

Choose "Create Image" in the "Execute" menu. This opens the "Create Image Options" dialog box:

ect
ect

If you check the "**Create short image**" checkbox, the CopyStation software will create a normal image and a second image with the file extension "**.img.short**". Use the second image to create a short image job. When you specify the copy job in the **Job Wizard**, you must check the "Allow short image file" checkbox in the "**Extended Settings**" tab (see next chapter).



Job Wizard



4.3 Creating a copy job

Choose "**New Job**" in the "**File**" menu to create a new copy job with the Job Wizard.

In the Job Wizard, clicking the "**Select**" button (see figure below) to select an image. Then choose the required image using the "**Open**" dialog box which is shown.



Image Copy	C\Mu Documents\USB_512_MB ima	Select
5	Press Deale	
C File Copy	base ram	Select
on		
🔽 No. of copies	420	

If you want to use a **Short Image** please be aware that "**.img.short**" **files will not be shown in the Open dialog** due to the standard settings that only shows *.img files. Please select "Files of type: All Files (*.*)" to open the Short Image.

Check the "No. of copies" check box and enter the total number of copies you want to produce (see figure above). If you don't mark the "No. of copies" check box, an unlimited amount of copies is produced until you cancel the copying process manually by loading a new job.

Extended Options

Click the "**Extended Options**" tab to specify additional settings (see figure below). Check "**Verify after write**" if you want the data to be verified automatically after writing.

ob Wizard		X
Write Settings	Extended Options	1
Pre write	e processing Fremove Writeprotection	
Write opt	tions Allow smaller image file	
Post write	re processing ⁷ Verify after writing	
	Run external program Select Set temporary write protection Set permanent write protection	
	0K Cancel	Help

Short Image Copy

The "**Extended Options**" tab also contains the check box "Allow smaller image file" which must be activated if you want to copy short image files (see chapter 4.2).

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Saving a copy job

Click the **"OK**" button and enter the required name and location for the job file in the **"Save As**" dialog box which is shown. Use the file extension ".job". Click **"Save**" to save the file.

Save in: [🛅	My Documents	▼ ← 6	b 💣 💷 -
My Music			
📴 My Picture:	s		
File name:	Itest 420x 512MB.job		Save





4.4 Starting a copy job

Remove the master memory stick from the CopyStation and insert fresh memory sticks you want to copy to.

According to our experience, the inserting of several USB memory sticks at the same time can cause difficulties as the sticks are not always recognized. Therefore we recommend you insert the USB sticks one by one.

		15	16	17	18	19	20	21	
Pro	gress	5							
					ST.	ART			

Click "START" to start programming (see figure above).

The color of the slots which contain memory sticks changes from blue to yellow (slot is busy). See figure below.



The data has been copied successfully to all of the sticks in the CopyStation when the progress bar reaches 100%, the message "Operation done" appears in the message panel on the left and the slot color changes to green again.

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Replace the programmed memory sticks with fresh sticks.

When all fresh sticks are activated (slots are blue) click the "START" button again.

Job Information							
Job finished							
ОК							

Keep on replacing memory sticks until you see the "**Job finished**" message, which indicates that the specified number of copies have been made.

Copying error

A red slot and an error message in the message panel on the left indicate that a copying error has occurred (see figure below).

	09.07.2007	10:57:35	Stick 16 inserted									
	09.07.2007	10:57:39	Stick 17 inserted									
	09.07.2007	10:57:43	Stick 18 inserted		_		_	10	11	12	12	14
	09.07.2007	10:57:47	Stick 19 inserted				3	10		12	15	14
	09.07.2007	10:57:51	Stick 20 inserted									
	09.07.2007	10:58:18	Stick 20 removed									
	09.07.2007	10:58:18	Stick 21 inserted			Т						
	09.07.2007	10:58:25	Stick 20 inserted	E								
	09.07.2007	10:58:25	Stick 21 removed									-
	09.07.2007	11:00:41	Stick 21 inserted		19	5 1	6	17	18	19	20	21
	09.07.2007	11:13:12	Write all with C: Documents and Settings									
	09.07.2007	11:14:02	Stick 21 failed									
<			>	-								

Re-use copy jobs

You can re-use saved copy jobs at any time.

If you want to change settings for a job, we recommend saving it with a new name. Then choose "**Job Settings**" in the "**File**" menu to modify the job and confirm by clicking "OK".



User software menus and functions

"File" menu 5.1

This menu lets you create, save, open or modify jobs or exit the program.

"New Job" creates a new job. Choose an image file in the Job Wizard (see page 12). Choose the number of copies you want to produce (see page 12). Click the "Extended Options" tab if you want to carry out verification after writing (see. page 13).

USB Stick CopyStation test_1									
File	Run	Settings Info							
¥1 1	New Job Open Job								
	Save Job Save Job as	tick 🔇							
1	Job settings								
	Logout Exit	Time I 7 15:00:42 7 15:00:43							

- "Open Job" opens an existing copy job. -
- "Save Job" saves an open copy job.
- "Save Job as" saves a job under a new name.
- "Job settings" opens the Job Wizard where you can modify and save an open job. If no job has been opened, the command has the same effect as the "New Job" command (see above).
- "Logout" logs the current user out. -
- "Exit" terminates the program.

"Run" menu 5.2

This menu lets you create image files and select direct copy or verify commands for single or all memory cards.

"Create Image" reads the data image of a \rightarrow memory stick and saves it at any user selected directory (see page 8 ff).

USB	Sti	ck Copy	Station	1		
File	Ru	in Set	tings:	Info		
		Create I	mage			
		Write		Sir	ngle stick	
l		Compare	e ht	all	sticks	on
					\sim	-• P.
Г	_	Date	Tim		Informatic	0
	3	no ne ne	07 14	46.00	Stort opp	lication

- "Write ... single stick" opens the "Write Options" dialog where you have to → select an image file and a stick slot. After confirming the selection with "OK", copying to the selected stick is started.
- "Write ... all stick" opens the "Write Options" dialog where you have to select an image file. After confirming the selection with "OK", copying to all sticks is started.

- "Compare ... single stick" opens the "Verify Options" dialog where you have → to select an image file and a stick slot. After confirming the selection with "OK", data comparison between the image file and the selected stick is started.
- "Compare ... all stick" opens the "Verify Options" dialog where you have to select an image file. After confirming the selection with "OK", data comparison between the image file and all sticks is started.

English as the user

interface language.

Note that standard

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5.3 "Settings" menu

This menu lets you select the user interface language.

"Language" opens the "Select Language" win-dow where you can select German (DEUTSCH) or

elect Language	
Select Language	
DEUTSCH	•
DEUTSCH	N
ENGLISH	5
OK	Cancel

USB Stick CopyStation Run Settings Info Date Time Informatio 145

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Windows dialogs shown by the CopyStation software are always in the language of the Microsoft operating system you are using.





5.4 "Info" menu

This menu lets you open this manual as a PDF file and call up information about the program.

→ "Help" opens this manual as a PDF file in the selected user interface language. Please note that you can only read PDF files if Acrobat Reader has been installed on your computer.



You can find setup files for the Acrobat Reader on the CD delivered with your CopyStation.

The manual files are stored on the CD and in the program folder and can also be opened directly.

→ "About" opens the program's information window where you can find the software version number and the license agreement.

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USB Stick: CopyStation Version 1.0.5.0 Copyright (C) 2000 - 2007 altec Computersysteme GmbH	
LICENSE AGREEMENT for the altec USB Sti This is a legal agreement between you, the us altec ComputerSysteme GimUH. This agreement covers the altec USB Stick Cr All lights not expressly granted under this agree reserved by the manufacturer of the Software. By installing or using the Software you agree to terms of this agreement. If you do not agree to promptly return all Software items (disk, writte and packaging) and delete any installed Softw	ck CopyStation Software r, and pypStation Software. ment are b be bound by the threse terms, materials, are.
OK	

5.5 USB stick information

With a right-click on the slot of an inserted stick, the slot number as well as stick information is provided.

In order to get detailed information on a memory stick, right-click the respective stick slot and choose "Information" from the context menu. This opens a new window with information such as the storage capacity, block size and the hardware address and logical drive letter under Windows.





6. Software options

6.1 Software option "Short Image Files"

This software option allows you to create and copy short image files. If the master

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(source) memory media is only partly filled with user data, the resulting smaller image files allow faster programming of the target memory media.

Detailed information on using this software feature can be found in chapters 4.2 and 4.3.

/rite Settings	s Extended Options	
Pre write	e processing	
Г	Remove Writeprotection	
Write op	ptions	
V	Allow smaller image file	
Post writ	ite processing	
Г	Verify after writing	
Г	Run external program	ect
Г	Set temporary write protection	
Г	Set permanent write protection	



6.2 Software option "File Copy"

This software option allows you to copy files from a specified directory to USB sticks, which are supported by Windows, instead of copying from an image file. The subdirectory structure (if present) is also copied.

This feature is only available if you have purchased the software option "File Copy" (Item no. 31AL1857).

Choose "New Job" in the "File" menu to create a new copy job with the Job Wizard (see figure right).

In the Job Wizard, activating "File Copy" and then clicking the "Select" button (see figure below).

USB Stick CopyStation test_140x_512MB.job						
File Run Sett	ings Into					
📲 New Job 📐	1					
🗁 Open Job 场						
	tick (Com				
Save Job	LICK					
Save Job as		· · ·				
🔊 Job settings						
	The	to do not the second second				
Logout	lime	Information				
Evit	7 15:00:42	Write all with "C: Dok				
00.00.200	7 15:00:43	Stick 6 failed				

C Image Copy	default in	ig Select
	Base Path	
File Copy		Select
🔲 No. of copies	0	

Browse for Folder
Pick a folder, any folder:
Constant Sector Se
OK Cancel

In the following window (see figure left) you will be asked to choose the file or folder including all files and – if present – sub-directories, which you want to copy to the USB memory sticks.

Check the "No. of copies" check box in the Job Wizard and enter the total number of copies you want to produce (see figure below). If you don't mark the "No. of copies" check box, an unlimited amount of copies is produced until you cancel the copying process manually by loading a new job.

	Name of the Image File		
Image Copy		defaulting	Select
	Base Path		
File Copy	C:\My Documents\P	romotion material	Select
No. of copies	500		

After having chosen the tab "Extended Options" you will be able to adjust further settings (see page 13).

Click the "OK" button and enter the required name and location for the job file in the "Save As" dialog box which is shown (see page 13).

Click "START" to start programming (see page 14).



6.3 Software interface for e.g. external serialization

6.3.1 General Description

The USB Stick CopyStation 21 has an optional software interface for data exchange with an external application to allow customization of individual memory sticks.

This can be used for a serialization of sticks to protect stick contents such as data files or programs against unauthorized duplication or usage.

USB Sticks have individual serial numbers in most cases, although these can also be missing.

If the target application allows to read out this serial number, the application can check, whether this is an authorized copy or not.

This feature is only available if you have purchased the software option "Serialization" (Item no. 31AL1854).

6.3.2 How it works

When this software feature is activated, each memory stick will be shown as logical drive under Windows XP after it has been programmed and as the case may be has verified the content, and an external software program is started (see figure below).

Serial number and logical drive letter of each memory stick are passed on to this program. Please note: not every memory stick has an individ- ual serial number. In cases with no serial number, a series of zeros is transferred.	Job Wizard Wite Settings Extended Options Pre wite processing Remove Witeprotection Wite options Allow smaller image file Post wite processing Verify after writing Run external program Set temporary write protection Set permanent write protection
The external soft- ware needs to be pro-	DK Cancel Help
grammed by the cus-	

tomer according to his needs. This programming can also be done by altec's Development Divsion. For instance this program could create specific data files, which are then copied to the individual memory stick.

This allows an individualization of each memory stick 's content.

6.3.3 Accessing the memory stick through filesystem calls

When the memory stick has been mapped to the logical drive, the external patch application can communicate with the memory stick.

The application can use the standard operating system file system calls like fopen() fread() fwrite() With these calls, the application has full access to all files and subdirectories which reside on the stick. In addition, using special fopen() calls, the application has also full access to any data on the stick, starting from the first and ending on the last storage block of the stick.

Example

The example shows, how to access the USB stick through the standard operating system file system calls.

In this example, the serial number, which is given as a parameter to the application, is written to a text file named CID.BIN to the USB stick. The name of the logical drive is taken from the second parameter.

#include "stdio.h" #include "stdlib.h" #include "string.h"

int main(int argc, char* argv[])

char v drive letter, filename[256]; FILE *f1: int retcode=o;

if (argc == 2) {

// Please note: argv[1] = drive letter and argv[0] = serial number

```
v drive letter = argv[1][0];
                                             // get the drive letter from 2nd parameter
    sprintf(filename,"%c:\\CID.BIN",v drive letter);
    f1 = fopen(filename,"w+");
                                             // open a file on the Virtual Drive and
    fwrite(argv[o],1,strlen(argv[o]),f1);
                                             // write the serial number.
    fclose(f1):
else
    retcode = 1;
                                              // inavlid numer of parameters
return retcode:
```





6.3.4 Requirements

The requirements to use serialization are:

- USB Stick CopyStation 21 Hardware
- USB Stick CopyStation application with serialization enabled
- Microsoft Windows XP
- USB sticks, which are supported by Windows

7. Technical specifications

Hardware

– Interface	PCI card for 3x USB 2.0 Hi-Speed
 Supported storage media 	USB 1.1 or 2.0 memory sticks
– Slots	for 21 USB sticks; horizontal center-to-center distance between the slots 11.5 mm, vertical center-to-center distance 42 mm
– Dimensions	191 x 287 x 173 mm (WxDxH)
Performance	
 Copying speed (example) 	21 USB 2.0 sticks à 512 MB in less than 6 min. (speed depends on USB Stick type and USB connection) Data transfer rate is approx. 30 MB/sec
Software	
 Compatible with 	Windows XP
Environmental specifications	
– Temperature	o° to +40°C (operating)
– Humidity	5% to 95%, non-condensing
Power Requirements	
Power Requirements – DC Input Voltage	110-230 Volt via built-in power supply with 80 Watts
Power Requirements – DC Input Voltage Accessories	110-230 Volt via built-in power supply with 80 Watts
Power Requirements – DC Input Voltage Accessories – 31AL1852	110-230 Volt via built-in power supply with 80 Watts Software Short Image Files
Power Requirements – DC Input Voltage Accessories – 31AL1852 – 31AL1854	110-230 Volt via built-in power supply with 80 Watts Software Short Image Files Software interface for e.g. external serialization



8. Troubleshooting

8.1 Software does not start

Problem: The error message in the figure on the right is shown when the CopyStation software is started.

Cause: The CopyStation software could not detect the altec hardware.

Solution: The CopyStation must be connected to the PC as described in chapter 2.1.



8.2 None of the slots are working

Problem: The CopyStation software cannot detect any of the USB sticks (none of the slots are shown in blue) or all of the slots are shown in red (error).

Cause: The CopyStation software does not have MS Windows administrator rights.

Solution: Please make sure that the CopyStation software has MS Windows administrator rights when it is running. For example, you should log in to the PC with a user account which has administrator rights.

8.3 Error code «E00002»

Problem: Copying fails to one or more USB sticks and the error code «Operation failed: E00002» is shown (see figure on the right).

Cause: The capacity of the USB stick is too small for the data image.

Solution: The storage capacity of the master (source) USB stick should

	Date	Time	Information
٢	13.08.2007	07:21:31	Operation done
٢	13.08.2007	07:21:39	Stick 1 removed
٩	13.08.2007	07:21:46	Stick 1 inserted
٩	13.08.2007	07:22:02	Create Image from slot 1 to C:\Document:
٢	13.08.2007	07:22:39	Operation done
٢	13.08.2007	07:22:43	Stick 1 removed
٢	13.08.2007	07:22:46	Stick 1 inserted
٢	13.08.2007	07:23:04	Job Settings changed
٢	13.08.2007	07:23:17	Write slot 1 with C: Documents and Settin
٢	13.08.2007	07:23:58	Stick 1 failed
٢	13.08.2007	07:23:58	Operation failed : E00002
			~
<			

normally be identical to the storage capacity of the destination USB sticks.



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We recommend that the master stick and the destination sticks are from the same manufacturer and preferably from the same manufacturing batch (see Chapter 4.1).

Before you create the master USB stick, check several of the sticks to make sure that they all have exactly the same capacity. See Chapter 5.5 for information on how to do this. Check the exact size in bytes which is shown in brackets – the size which is shown in MB is not accurate enough for this test.

If not all of the USB sticks have exactly the same capacity, create the master USB stick using the stick which has the smallest capacity. Since the size of the data image created from the master USB stick will then be smaller than the storage capacity of the destination sticks, you must check the "Allow smaller image file" checkbox in the "Extended Settings" tab of the Job Wizard (see figure below and Chapter 4.2).

rite Settings Extended Options				
Pre write processing				
Remove Writeprotection				
Write options				
Allow smaller image file				
Post write processing				
🔲 Run external program		[Select	
☐ Set temporary write protection				
Set permanent write protection				

On the destination USB sticks, the additional storage capacity, which is often only a few bytes, will no longer be available for storing data until the USB sticks are re-formatted.

8.4 Other possible sources of error

- We have received some feedback from a few customers using no-name USB memory sticks with our USB Stick CopyStation 21.

So we have been doing more research and testing with low-cost products as well. Whenever problems occurred, there were always no-name products involved.

Therefore we strongly recommend that you only use USB memory sticks from international manufacturers such as SanDisk, Lexar or Transcend. - The PC which runs the CopyStation software needs to have **21 unused drive letters** for the 21 USB stick slots. Each slot needs its own drive letter.

Assignment of the CopyStation drive letters may not take place correctly if Windows Explorer lists drive letters for network drives which are not mounted. Before connecting the CopyStation, it is recommended to disconnect the network drives or to ensure that they are correctly mounted.

9. Support and further information

Support hotline from Monday to Friday: Phone +49-511-98381-70 or eMail support@altec-cs.com

Please ask for our product overview or visit our website for information on further CopyStations, storage products, Flash Card Drives and Solid State Disks from altec:

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