# **Commissioning & Operation**

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# **Installing the Printer**

### Unpacking the printer

- 1. Remove all loose objects from the packaging.
- Carefully lift the printer together with the polystyrene cushions out of the box. Have a second person keep hold of the box while you remove the printer.



Fig. 1: AP 5.4 in the original packaging.

- 3. Remove the polystyrene cushions and plastic wrap from the printer. Having someone else help you with this will also make it easier!
- 4. Place the printer on an even surface.

### **Carrying the Printer**

One person can easily carry the AP 4.4/5.4 because it only weighs 14 kg.

 $\rightarrow$  To carry the printer, grip the baseplate from the front and rear (see Fig. 1).



CAUTION! - *Do not* lift the printer by holding the plastic parts on the front and rear! This could damage the printer.

CAUTION! - *Do not* grip the front cover when attempting to carry the printer! This could damage the printer.



Fig. 2: When lifting the printer, grip under the baseplate!

Packaging

Please retain the original packaging for later use when transporting the printer!

### **Check the Delivery**

You are bound to want to start using your new AP 4.4/5.4 as soon as possible. However, we would ask you to take a few minutes to check the following:

- → Please ensure that the printer has not been damaged in transit. If the pakkaging has been dented or torn, please check the contents particularly carefully for damage that may have resulted from transportation.
- → Are the following articles listed included in the box?



Fig. 3: The following items are delivered with the AP 4.4/5.4.

- AP 4.4/5.4 Printer
- Power supply cable (1)

The plug for the power supply is different depending on the country of delivery.

- Data cable (2) Centronics IEEE 1284 CA Cable 2 m. The cable connector for the printer is a type C connector!
- Core adapters (3) There are two core adapters each for the material rolls with a core internal diameter of 76.2 mm (3") and 101.4 mm (4"). On delivery, the core adapters are placed on the printer material dispenser.
- *Empty foil core (4)* Empty foil core for rewinding the thermotransfer foil. On delivery, the backing paper is placed on the foil rewind mandrel.
- Documentation CD (5) Contains extensive instructions on using the printer as well as the Windows driver, printer firmware and service manual.
- *Quick reference guide (6)* Multilingual quick reference guide in print form.
- Size 10 torx screwdriver (7)

Tool which is used to replace the print roller and to mount a dispensing edge.

AP 5.4 with Cutter • Cutter (Fig. 4) Only if you ordered the "AP 5.4 peripheral with cutter".



*Fig. 4:* If ordered, you will find the cutter in a special carrier in the top of the printer pakkaging.

O You can find instructions on how to mount the cutter in the cutter manual under "Connection, Setup, Service".

The cutter hook, a part which is required to mount the cutter, can be found fixed to the printer bottom.

AP 5.4 with Internal Rewinder

- Printer with mounted deflector
- Housing front part, bottom side with screw (fig. 5 right side)
- Cutter flange cover with screws (fig. 5 left side)

It is recommended to mount the housing parts, if the printer is used as a standard device without rewinding function.



Fig. 5: These housing parts are shipped loose with the "AP 5.4 Internal Rewinder".

AP 5.4 Dispenser

- Printer with mounted dispensing edge
- Housing front part, bottom side with screw (see fig. 6)
- Cutter flange cover with screws (see fig. 6)
- Deflector (see fig. 6) Enables the AP 5.4 Dispenser to be operated with internal (label material) rewinder.

It is recommended to mount the housing parts, if the printer is used as a standard device without dispensing or rewinding function.



Fig. 6: These housing parts are shipped loose with the "AP 5.4 Dispenser".

### **Removing the Transportation Lock**

- 1. Open the printer lid.
- 2. Remove the cable tie holding the printhead in place (see Fig. 7). For this, use side-cutting pliers or strong scissors.



CAUTION! *Do not use a knife* to cut the cable tie! The printhead could be damaged by the resulting force when splitting the tie!



Fig. 7: AP 4.4/5.4 transportation lock (1).

AP 5.4 Dispenser

→ Remove the connector from its transport position at the printer bottom and connect it to the connector at the frontside of the printer.

# **Product Description**

### **Operating Parts AP 4.4 / AP 5.4 basic**





AP 5.4

Dispenser

AP4.4 – AP5.4

### **Dispensing edge** Peels the labels off the backing paper. Connector Connection of the dispensing edge sensor. **Dispensing roller** Holds the material web tight over the dispensing edge. Dispensing roller release button Press the red button to release the Rewinder dispensing roller. Deflector Wraps up the Deflects the backing paper. backing paper.

# **Operating parts AP 5.4 Dispenser / Internal Rewinder**

Fig. 10: Additional operating parts of the "AP 5.4 Dispenser".



Fig. 11: Additional operating parts of the "AP 5.4 Internal Rewinder".



### Modes of Operation AP 5.4 Dispenser / Internal Rewinder

With the AP 5.4 featuring an internal rewinding module, a label can either be dispensed (using the dispensing edge) or rewound into the printer housing (using the deflector) after it is printed.

- If the printer's *Dispenser* is used, the label is pulled over the dispensing edge, and the backing paper is rewound.
- If its *Rewinder* is used, the printed label is redirected by a deflector and rewound together with its backing paper.

The electronics of the rewinder regulate the pull force exerted on the backing paper so that the same force is exerted regardless of the roll diameter. The pull force also depends on the material width and the printing speed. The pull force is either regulated automatically using default parameters, or it can be set manually.

Manual setting is only required in special circumstances and should always be carried out by a qualified authorised service technician.

After the printer is switched on, the rewinder is initialised and the label material is stretched.

If a print job has already been received, the printer searches for the first punch at reduced print speed. The label material is wound forward by the distance between the punch sensor and the printhead (70 mm). This distance is used by the rewinder's control electronics to calculate the diameter of the backing paper roll already wound up. To enable the control electronics to calculate diameters even when using continuous material, printing is also suspended for the first 70 mm. Processing of the print job then commences at the print speed set on the printer or by the print job.

Should operational issues occur, the rewinder is switched off automatically.

When the maximum diameter of the backing paper roll is reached, a corresponding message is displayed and the rewinder is switched off automatically.

Dispenser Modes The following modes of operation are available for the dispenser:

- Dispenser Mode with Dispensing Edge Sensor: Material is fed right up to the dispensing edge, that is the label to be dispensed sticks to the dispensing edge (set dispensing position). The printer only feeds the next unprinted label backwards underneath the printhead and begins printing, once the previous label has been taken off.
- Dispenser Mode with Foot Switch: Depressing the foot switch triggers the printing and dispensing of one label. The next unprinted label is immediately positioned under the printhead.
- O Siehe Abschnitt <u>Activate/Deactivate Dispenser</u> auf Seite 16.

### Arrangement of the Connections

CAUTION! - Additional equipment of poor quality can damage the printer!

- → Connect only devices that fulfill SELV circuit requirements to EN 60950.
- → Connect only original accessories.
- For information about using the network connection, please read topic section <u>Advanced Applications</u>.



Fig. 12: Back view of the AP 5.4 with mounted I/O board (accessory).

### Warning Signs at the Maschine



Fig. 13: Warning signs at the AP 4.4/5.4.

The warning sign pictured in fig. 13 above warns of the risk of getting hands, fingers, loose clothing, jewellery, etc. drawn in between rotating parts of the printer (part no. A5346).

The warning sign pictured in fig. 13 below warns of the risk of getting hands or fingers burned at hot surfaces close to the printhead (part no. A5640).

→ Immediately replace missing or unreadable warning signs!

# Display Image: Cut button Online button Feed button Prog button

# **Control Panel (Display)**

Fig. 14: Control panel for the AP 5.4.

| Display             | With 32 digits and two lines, the display shows the operating conditions (mo-<br>di) for parameters, values, status and errors. You can select the language<br>you want to use for the display. The backlight ensures good legibility.   |
|---------------------|--|
| Button<br>Functions | General: The buttons offer a multitude of operating functions. A logical menu structure is used for operation. The meaning of each button varies according to the operating condition and the menu item. Additionally, special functions have been programmed for certain button combinations. |
|                     | Despite this diverse range, it is possible to identify the following main functions:   |
| Online Button       | <ul> <li>Switches between online and offline mode.</li> <li>Confirms inputs, menu items or displays.</li> <li>Selecting print jobs and inputting field values in standalone mode.</li> </ul>   |
| Cut Button          | <ul> <li>Triggers a cut. Requirements:</li> <li>Cutter fitted and activated</li> <li>Printer offline</li> <li>Additionally, directs to deeper levels within the menu structure and selects menu items</li> <li>Reduces values</li> </ul>   |
| Feed Button         | <ul> <li>Feeds material when the device is offline</li> <li>Starts the printing process, once feed has been stopped (in online mode)</li> <li>Additionally, directs to deeper levels within the menu structure and selects menu items</li> <li>Enlarges values</li> </ul>                      |
| Prog Button         | Calls up the parameters menu when offline<br>Goes back one step in the parameters menu, and/or quits the parameters<br>menu.   |

- O For more detailed descriptions of the button functions, please see
  - sections <u>Operation in Offline Mode</u> on page 17 and <u>Operation in Online</u> Mode on page 19
  - or "Info-Printouts and Parameters".

### **Operating State**

### **Offline Mode**

| Display |        | Meaning                              |
|---------|--------|--------------------------------------|
| OFFLINE | 0 JOBS | No jobs are waiting to be processed. |
|         |        |                                      |

Tab. 1:Display in offline mode.

Printer settings can be made when the device is offline. The offline mode is normally active when the printer is switched on. Print jobs are received, but not processed, via the selected interface.

To adjust the printer so that it goes online directly after you have switched it on, set the following parameter to *Online*:

SYSTEM PARAMETER > Turn-on mode

**Online Mode** In the online mode, print jobs are received and processed immediately.

| Display                              | Meaning  |
|--------------------------------------|--|
| ONLINE 0 JOBS                        | No jobs are waiting to be processed.   |
| ONLINE 0. JOBS                       | Current data transfer to the printer is shown on<br>the display: This is indicated on the right, under-<br>neath the number of loaded jobs.                    |
| ONLINE 13 JOBS<br>Restcount: 25      | During printing, the display also shows the num-<br>ber of print jobs read (13) and the remaining num-<br>ber of labels (25) to be printed in the current job. |
| ONLINE 13 JOBS<br>Restcount: endless | If a print job recognizes an infinite number of la-<br>bels to be printed, then the remaining number for<br>this job is also shown as infinite.                |

Tab. 2: Possible messages in the online mode.

To stop printing, press the online button.

**Message Mode** The printer uses the message mode to signal an error or a particular operating status. Message mode indicates that the printer is waiting to quit or for a fault to be corrected. When exiting, the printer switches from message mode to offline mode (depending on the error and the progress of the previous process).

| Display                          | Meaning   |
|----------------------------------|---|
| Status 5001<br>No punch detected | Messages are made up of the status number and a brief descriptive text. |

Tab. 3: Example of a message.

The messages shown in Table 3 occur when e.g. the printer is set for using labelling material with perforation, but continuous form material without perforation is inserted. In this example, the printer will continue to feed the material for a few seconds before it finally sends an error message. O More information on message reports and a detailed list of all messages can be found under "Status Reports".

Standalone (For AP 5.4 only) Mode

In standalone mode, the print jobs are not transmitted via a data cable, but are stored on a CF-Card. From there, they can be selected using the printer display or an keyboard connected to the printer.

O For detailed information about using the standalone mode, refer to topic section Advanced Applications.

# **Basic Operating Procedures**

### **Connecting the Printer**

### WARNING!

Printer is driven by mains voltage! Touching of live parts can cause lifethreatening body currents and burns!

- → Make sure, that the machine is switched off, before connecting the power cable.
- → Only connect the printer to a power socket that provides the correct voltage, which can be found on the rating plate.
- → Only connect the printer to a grounded power socket fitted to authorized standards.
- → When laying the power supply cable, ensure that:
  - no one can trip over it.
  - no one can step on it.
  - the power supply cable can be pulled out of the power outlet, if necessary.
- 1. Ensure that the printer power switch is set to "0" (Off).
- 2. Connect the printer to the power supply using the cable provided.
- 3. Using the data cable supplied, connect the Centronics interface on the printer to the host computer.
- 4. Turn on the printer using the power switch (switch to position "1").

| Display                         | Meaning   |
|---------------------------------|---|
| System start                    | The boot loader has started.  |
| System start<br>Start user prog | Valid firmware program recognized, program will be started.   |
| Avery AP 5.4<br>V 1.02          | Printer type (here: AP 5.4)<br>Version number of the printer firmware.  |
| Memory: 8MB<br>Flashcard: 32MB  | Internal RAM (here: 8 MB)<br>Optional RAM on the CompactFlash card (here: 32<br>MB) – only displayed when a CompactFlash card<br>is in use. |
| OFFLINE 0 JOBS                  | Offline mode  |

Tab. 4: Messages on the display once the printer has been turned on.

5. By pressing the online button you can switch to the online mode:

ONLINE 0 JOBS

When the parameter SYSTEM PARAMETER > Turn-on mode is set to Online, the printer switches directly to online mode when it is turned on!

### Setting the Interface

According to the factory settings, the AP 4.4/5.4 is set for data transfer via the Centronics interface. Print data can also alternately be transferred via the RS232, USB or Ethernet interface (AP 5.4 only).

→ Settings for the interfaces are made using the following parameter:

INTERF. PARAM. > EASYPLUGINTERPR > Interface

- O To find out how to set parameters, see topic section "Info-Printouts and Parameters".
- O For part numbers of of power or data cables refer to topic section "Accessories".
- O For detailed information about using the Ethernet interface, refer to topic section <u>Advanced Applications</u>.

### Activate/Deactivate Internal Rewinder

Model AP 5.4 with internal rewinder and deflector!

**Deactivate** → Call SYSTEM PARAMETER > Periph. Device > None

If you do not insert printing material before activating the rewind function, an error message will be displayed.

- For details on how to insert printing material, see topic <u>Setup</u>, section "Inserting Label Stock".
- Activate 1. Call SYSTEM PARAMETER > Periph. Device > Intern Rewinder

Not to be confused with *Rewinder* - this parameter activates the external winder (optional extra)!

Upon activation, the rotational direction of the rewinder is set.

Rewinder direct.Facing outside is the default setting.Facing outsideFacing outside is the default setting.

- 2. Press the Cut/Feed button to change the rotation direction.
- 3. Press Enter to confirm your setting.

The printer is restarted. The main menu now contains the additional menu *REWINDER PARA*, which holds the parameter *Rewind direction*. This can be used to change the rotational direction again.

During initialisation, the printer attempts to stretch the label material.

**Possible Errors** Shortly after activating the internal rewinder, the following error message may be displayed:

Status 5004 Rewinder mat. tear Possible causes:

- No printing material has been inserted, or the material's end was not fixed to the rewinder. Attach the end to the rewinder and press the Online button.
- The printing material is not stretched taut. Press the Online button.

The printer is now ready for the next print job. As soon as the print job is received, the rewinder's control electronics analyse the material width and print speed as specified by the print job and calculate basic initialisation settings for the rewinding process. These settings cover most areas of application.

In some challenging applications, a reduced impression accuracy may occur. In cases like these, the basic initialisation settings can be changed. This may be necessary in the case of:

- Very small labels
- Very rough backing paper
- Backing paper much heavier than label
- Labels stuck to backing paper
- Backing paper perforated along label contour

Basic initialisation settings may only be changed by a qualified authorised service technician!

### Activate/Deactivate Dispenser

Only applies to the model AP 5.4 with internal rewinder and dispensing edge!

Deactivate

Activate

→ Call SYSTEM PARAMETER > Periph. Device > Dispenser

→ Call SYSTEM PARAMETER > Periph. Device > None

The printer is restarted. The main menu now contains the additional menu *DISPENSER PARA*, which holds the parameters required for dispenser operation:

| Parameter              | Possible Settings                                    |
|------------------------|--|
| Dispenser Mode         | Real 1:1 mode (default), batch mode, normal 1:1 mode |
| Dispensing<br>Position | Set in millimeters (default: 0.0 mm)                 |
| Display Mode           | Job rest quant. (default), Dispense counter          |
| Dispense counter       | Preset Amount (default: 0)                           |
| Application Mode       | Safe Mode (default), Immediate Mode                  |
| Start Mode             | Edge (default), Level low active                     |
| Start Source           | Foot switch (default), Light barrier                 |

Tab. 5: Parameters in the menu DISPENSER PARA.

O For more details on the listed parameters, see topic <u>Info- Printouts and</u> <u>Parameters</u>, section "Operating the Parameter Menu".

| 05/04 Rev. 1.2-03      | USER MANUAL   | Setup & Operation  |
|------------------------|---|--|
|                        | AP4.4 – AP5.4   |  |
| Configure<br>Dispenser | <ul> <li>Application A:<br/>The label is dispensed so that a small portion still stic<br/>above the dispensing edge. After the dispensed labe<br/>hand, the next label is immediately printed and disper</li> </ul> | cks to the backing paper<br>el has been removed by<br>ensed. |
|                        | <ul> <li>→ Set DISPENSER PARA &gt; Dispenseposition to -6.0 m<br/>material is very adhesive).</li> <li>→ Set DISPENSER PARA &gt; Start Source &gt; Light barrier</li> </ul>   | nm (set to –8.0 mm if the<br>er .                            |
|                        | <ul> <li>Application B:<br/>The printing and dispensing of the label is triggered to<br/>switch connected.</li> </ul>   | oy a signal from the foot                                    |
|                        | <ul> <li>→ Set SYSTEM PARAMETER &gt; External Signal &gt; State</li> <li>→ Set DISPENSER PARA &gt; Dispenseposition to -6.0 m</li> </ul>  | cker full.<br>nm (set to –8.0 mm if the                      |

- material is very adhesive).
- → Set DISPENSER PARA > Start Source > Foot switch .

| Display be         | fore         | Button pressed         | Display after                   | Function   |
|--------------------|--------------|------------------------|---------------------------------|--|
| OFFLINE            | x JOBS       | Online                 | ONLINE x JOBS                   | Online mode  |
| OFFLINE<br>Stopped | x JOBS<br>xx | Online                 | ONLINE x JOBS<br>Stopped xx     | Switches to the online mode when print job is stopped  |
| OFFLINE            | x JOBS       | Online + Feed          | OFFLINE x JOBS feeding          | Slower material and foil feed  |
| OFFLINE            | x JOBS       | Online + Cut           | OFFLINE x JOBS feeding          | Material travels backwards un-<br>der the printhead  |
| OFFLINE            | x JOBS       | Online + Cut +<br>Feed | OFFLINE x JOBS                  | Reset  |
| OFFLINE            | x JOBS       | Prog                   | PRINT INFO                      | Parameters menu selection  |
| OFFLINE            | x JOBS       | Feed                   | OFFLINE x JOBS feeding          | Feeds material until next perfo-<br>ration is reached or as long as<br>the button is held down |
| OFFLINE            | x JOBS       | Cut + Feed             | OFFLINE x JOBS<br>Head dot test | Tests the printhead for defective dots   |

# **Operation in Offline Mode**

Tab. 6: Button combinations in the offline mode (x = Number of print jobs; xx = The remaining number of labels to be printed in the current print job)



Fig. 15: Button combinations in the offline mode.

### **Operation in Online Mode**



Tab. 7: Button combinations in the online mode.

| Display before  | Button pressed | Display after                             | Function  |
|---|----------------|---|---|
| ONLINE X JOBS   | Prog           | Print contrast<br>xxx%                    | Set print contrast: Press the<br>Feed button to increase and Cut<br>button to reduce print contrast |
| ONLINE X JOBS   | Online         | OFFLINE X JOBS                            | Changes to the offline mode   |
| ONLINE X JOBS<br>Restcount XXX                                  | Online         | ONLINE X JOBS<br>Stopped XXX <sup>a</sup> | Interrupts print job: The device will complete the print for the current label                      |
| ONLINE X JOBS<br>Stopped<br>XXX <arial_8_hoch> a</arial_8_hoch> | Online         | OFFLINE X JOBS                            | Changes to the offline mode when the print job is stopped   |
| ONLINE X JOBS<br>Stopped<br>XXX <arial_8_hoch> a</arial_8_hoch> | Feed           | ONLINE X JOBS<br>Restcount XXX            | Continues print job   |

Tab. 8: Button combinations in the online mode (x = Number of print jobs; xx = The remaining number of labels to be printed in the current print job).

a) "Stopped xxx" alternates with "Press feed".

# **Creating a Print job**

Essentially, there are two ways of creating a print job: Either by using the AP 4.4/5.4 printer driver for Windows or by creating a text file with print commands.

Windows Printer Driver • AP 4.4/5.4 printer drivers are available for different versions of Windows. You can print from nearly every Windows application using the printer drivers.

| 05/04 Rev. 1.2-03           | USER MANUAL   | Setup & Operation  |  |  |  |
|-----------------------------|---|--|--|--|--|
|                             | AP4.4 – AP5.4   |  |  |  |  |
|                             | However, functionality is strongly dependent on the cial label layout programs are best suited, e.g. Jetm   | e choice of software. Spe-<br>nark 2000 or WinLabel.   |  |  |  |
|                             | You can find printer drivers for each Windows version   |  |  |  |  |
|                             | <ul> <li>on the Documentation CD in the WP_Driver\dire</li> <li>or on the Internet under:</li> <li><a href="http://www.machines.avervdennison.com/downlog">http://www.machines.avervdennison.com/downlog</a></li> </ul>   | ectory.  |  |  |  |
|                             | <ul> <li>How to use the printer driver is explained by the dri<br/>help function on your Windows operating system wi<br/>driver.</li> </ul>   | ver's help function. The<br>ill tell you how to install a  |  |  |  |
| File with Print<br>Commands | <ul> <li>You can write a sequence of commands in a text file<br/>To do this, you can use any text editor and the MS-<br/>Easy Plug provides a special command language to<br/>However, writing a print job in text file format does<br/>gramming knowledge. Furthermore, you will not be<br/>ting printout on the screen. Instead, you have to run<br/>of the finished result.</li> </ul> | and send it to the printer.<br>DOS copy command.<br>o formulate print jobs.<br>require some pro-<br>able to preview the resul-<br>a test print to see a copy |  |  |  |
|                             | <ul> <li>You can find a practice example of a print job togeth<br/>Easy Plug Manual in the section "Program Example<br/>tions Commands Overview".</li> </ul>  | er with instructions in the<br>e" under "General, Defini-  |  |  |  |
|                             | Transferring a Print Job  |  |  |  |  |
|                             | The printer can only complete a print job once this j<br>into the printer's RAM. This can be accomplished ir<br>transfer from your PC via a <i>data cable</i> or by saving<br><i>card</i> .   | job has been transferred<br>n two ways: using direct<br>to a <i>CompactFlash (CF)</i>  |  |  |  |
| Data Cable                  | The print job can be transferred via parallel or seria<br>this, connect the PC and the printer via the serial or<br>the print job file – from the DOS window – to the int<br>job.txt lpt1" to send the print job to the parallel inter  | al communication. To do<br>r parallel interface. Send<br>terface (e.g. "copy test-<br>face).   |  |  |  |
|                             | To send the print job from a text program, you need for the relevant printer is installed.  | l to ensure that the driver  |  |  |  |
|                             | Special label layout programs, such as Jetmark, ma se programs also require a driver to be installed.   | ke this much easier. The-  |  |  |  |
| Card                        | You require the following to load a print job from a (  | CF card:   |  |  |  |
|                             | <ul> <li>a CF card, onto which you can copy the print job,</li> <li>a PC with a PCMCIA drive and</li> <li>an adapter for the CompactFlash cards.</li> </ul>   |  |  |  |  |
|                             | Rename the print job file on the CF card <i>autostrt.fo</i> recognize it. Once this is finished, the printer will co soon as it is set online.  | r so that the printer can omplete the print job as   |  |  |  |

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# Using the CF Cards

CF = CompactFlash



CAUTION! - Always wait at least 5 seconds after switching off the printer before removing or inserting the CF card!

CAUTION! - Only use CF cards approved by the manufacturer!

| Manu-<br>facturer | Card type                     | Nominal<br>capacity<br>in MB | Usable<br>capacity <sup>a</sup><br>in MB |
|-------------------|-------------------------------|------------------------------|--|
| Hama              | USB-CF-Card 64MB              | 64                           | 63                                       |
|                   | USB-CF-Card 128MB             | 128                          | 126                                      |
| Intenso           | CF-32MB                       | 32                           | 32                                       |
| Kingmax           | KCF032MHT                     | 32                           | 32                                       |
|                   | KCF096MHT                     | 96                           | 94                                       |
| Pretec            | 16MB                          | 16                           | 16                                       |
|                   | 32MB                          | 32                           | 32                                       |
|                   | 64MB                          | 64                           | 62                                       |
|                   | 128MB                         | 128                          | 123                                      |
| SanDisk           | 16MB                          | 16                           | 16                                       |
|                   | 128MB                         | 128                          | 123                                      |
| Silicon Tech      | SLCF032A                      | 32                           | 31                                       |
| Toshiba           | Xtra speed professional 32MB  | 32                           | 32                                       |
|                   | Xtra speed professional 64MB  | 64                           | 62                                       |
|                   | Xtra speed professional 128MB | 128                          | 123                                      |

Tab. 9: For the use with AP 4.4/5.4 approved CF cards.

a) Capacity detected by the printer electronic.

More than 128 MB card memory is possible but not recommended, because the printer electronic can not use more than 128 MB memory in a reasonable way.



Fig. 16: Example of a 32 MB CF-card.

1. Switch off the printer. Wait for 5 seconds.

# Inserting a CF card

2. Insert the CompactFlash card completely into the card insert. The wide guide notch should face upwards (see Fig. 17).

Insert the CF card into the designated slot until the release button (1) is pushed outwards. The insert card will sit flush with the back casing.



Fig. 17: Inserting a CF card. If the CF card has been inserted correctly, then it will sit flush with the printer's back casing (right).

For more detailed information on how to use CF cards, please refer to the Plugin Card Manual, topic section <u>Application</u>, section "CompactFlash Card".

# Setting the Realtime Clock

(AP 5.4 only)

The AP 5.4 realtime clock can be used to calculate and to print the expiration date of any perishable goods.

Read here how to set the realtime clock:

1. Call parameter SYSTEM PARAMETERS > Realtime clock

Realtime clockdd=day, mm=month, yyyy=year, hh=hour,dd.mm.yyyyhh:mmmm=minute

- 2. Type in date and time: pressing the cut button shifts the cursor, pressing the feed button changes the setting and by pressing the online button, the setting is acknowledged.
- O How to set parameters: read topic section "Info Printouts and Parameters".

# Reading out real time with Easy-Plug

Reading out real time is done by using one of the following Easy-Plug commands:

- #YC realtime as text
- #YS realtime as bar code
- #DM downloading month names
- O Detailed Information provides the Easy-Plug manual.

USER MANUAL AP4.4 – AP5.4

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