
Instrument User Manual Update

RAM209AEN

ABX Pentra 60C+, Pentra 80, Pentra XL 80,
Pentra 400, abc VET
OKI B4600 Printer use



Please, take note of the modifications on next pages. Please, cross out the appropriate sections in the user manual prior to inserting this addendum at the beginning of the user manual.

Date: 17/8/07

OKI B4600 printer use

Tab.1-1: Concerned sections of the manual

Section	Page	Paragraph	Item change
Annex		New printer procedures	Toner and drum kit replacement

1. description

1.1. panel description

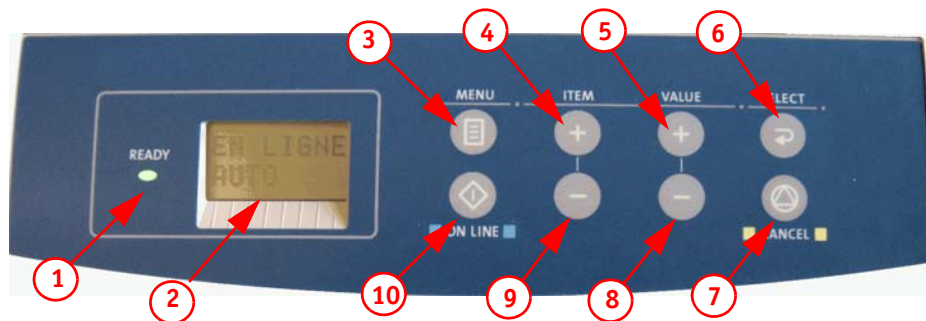


Fig.1-1: panel description

- 1- Ready indicator (green). ON - ready to receive data. FLASHING indicates processing data or error.
- 2- Liquid crystal display. (LCD) panel. Two rows of up to 8 alphanumeric digits displaying print status, menu items in menu mode and error messages.
- 3- Menu button. Press briefly to enter the MENU mode. Press briefly again to select the next menu. Press for more than 2 seconds to scroll through the different menus.
- 4- Item (+) button. Press briefly to scroll forward to the next menu item.
- 5- Value (+) button. Press briefly to scroll forward to the next value setting for each menu item.
- 6- Select button. Press briefly to select the menu, item or value indicated on the LCD panel.
- 7- Cancel button. Press to cancel a print job.
- 8- Value (-) button. Press briefly to scroll backward to the previous value setting for each menu item.
- 9- Item (-) button. Press briefly to scroll backward to the previous menu item.
- 10- Online button. Press to switch between online and offline status.

2. Print menu setting

Current menu settings can be confirmed by printing a Menu Map.

- 1- Press the Online button to return the printer to offline status.
- 2- Press the Menu button until the INFORMATION MENU is available.
- 3- Press the Item button until the display prompts you to print the menu map.
- 4- Press the Select button to print the menu map.
- 5- Press the Online button to return the printer to online status when the menu map is printed.

3. Toner save setting

If required, a toner save function is available in the print menu:

- 1- Press the menu button until the print menu is displayed.
- 2- Press the Item button until the toner save function is displayed.
- 3- Choose the printout density by pressing the value button (medium is recommended).
- 4- Confirm the choice by pressing the select button. An asterisk is displayed after the selection.
- 5- Return to the on line mode by pressing the on line button.

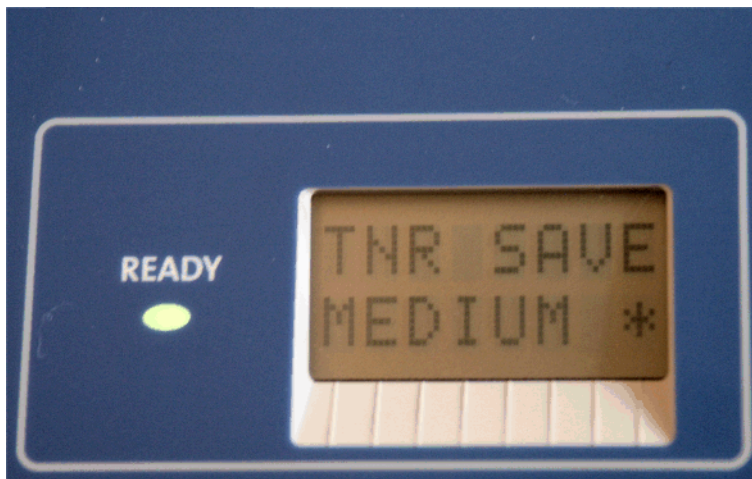


Fig.1-2: Toner save menu

4. Toner cartridge replacement



If the printer must be moved or returned in factory, it is mandatory to leave the toner cartridge inside (in its location against the image drum). Otherwise, toner may be spread inside the printer and this one will be unusable.

4.1. Toner cartridge informations

- ◆ How long your toner cartridge lasts depends on the print density; the percentage of the page that prints black. A typical letter has 3% to 5% print density; graphics usually have higher density. Higher print density means toner is used up faster. At 5% print density, a standard toner cartridge will print an average of 2500 pages. Remember, this is only an average: actual results may vary.
- ◆ The first toner cartridge installed in a new printer has to fill the image drum reservoir and saturate the developing roller with toner. The first standard toner cartridge normally produces about 1,000 pages after installation.

4.2. When replacing the toner cartridge

When the toner is running low, TONER LOW is displayed in the operator panel LCD. If printing continues without replacing the toner cartridge, CHANGE TONER is displayed and printing is cancelled. Printing will resume after a new toner cartridge has been installed.



The remaining capacity of the toner cartridge and the drum kit can be checked at any time in the "Usage menu". The left percentage of the toner cartridge capacity gives the remaining capacity for a 6000 pages toner cartridge.



Fig.1-3: Toner cartridge 6000 & 2500 page capacity

4.3. Replacing the toner cartridge

It is recommended that you clean the LED array at the same time as you change the toner cartridge. The toner used in this printer is a very fine dry powder contained in the toner cartridge. Have a sheet of paper handy so that you have somewhere to place the used cartridge while you install the new one. Dispose of the old cartridge responsibly, inside the pack that the new one came in. Follow any regulations, recommendations, etc., which may be in force concerning waste recycling. If you do spill any toner powder, lightly brush it off. If this is not enough, use a cool, damp cloth to remove any residue. Do not use hot water, and never use solvents of any kind. They will make stains permanent.



If you inhale any toner or get it in your eyes, drink a little water or bathe your eyes liberally in cold water. Seek medical attention immediately.

- 1- Switch off the printer and allow the fuser to cool for about 10 minutes before opening the top cover.

2- Press the top cover release button and open the printer's top cover fully.



If the printer has been powered on, the fuser may be hot. This area is clearly labelled. Do not touch.

3- Pull the coloured lever on the right side of the toner cartridge towards the front of the printer to close the cartridge then remove the used toner cartridge.

4- Follow the installation instructions on or inside the box containing the new toner cartridge to install the new cartridge.

5- Gently wipe the LED array surface with the LED lens cleaner that came with the new toner cartridge or soft tissue.

6- Close the top cover and press it down to latch it closed.

5. Drum kit replacement

5.1. Image drum life

The life of an image drum depends on a number of factors, including temperature and humidity, the type of paper used, and the number of pages per job. The image drum should last approximately 25,000 pages continuous printing. This number is approximate because different numbers of pages are printed each time and the environmental conditions and the paper type used may vary.

5.2. When to replace the image drum

When the drum reaches 90% of its life, a CHANGE DRUM message is displayed in the operator panel LCD. Change the image drum when the print becomes faint or begins to deteriorate.

5.3. Replacing the image drum

It is recommended that you change the toner cartridge and clean the LED array at the same time as you change the image drum.



The green image drum surface at the base of the cartridge is very delicate and light sensitive. Do not touch it and do not expose it to normal room light for more than 5 minutes. If the drum unit needs to be out of the printer for longer than this, please wrap the cartridge inside a black plastic bag to keep it away from light. Never expose the drum to direct sunlight or very bright room lighting. Always hold the image drum unit by the ends or from the top.

1- Press the cover release and open the printer's top cover fully



If the printer has been powered on, the fuser may be hot. This area is clearly labelled. Do not touch.

2- Remove the used image drum and toner cartridge. Follow the installation instructions on or inside the box con-

taining the new image drum to install the new image drum.

3- Gently wipe the LED array surface with the LED lens cleaner that came with the new toner cartridge or soft tissue. Follow the installation instructions on or inside the box containing the new toner cartridge to install the new toner cartridge.

4- Close the top cover and press it down to latch it closed.

5.4. Resetting the drum counter

After replacing the image drum, reset the drum counter to keep a correct count of the number of pages printed on the image drum.

1- Press the Online button to return the printer to offline status.

2- Press the Menu button repeatedly until MAINTENANCE MENU is displayed, then press the Select button.

3- Press the Item button until DRUM COUNT RESET is displayed.

4- Press the Select button and the Drum Counter is reset.

5- Return the printer on line by pressing the Online button.

6. Paper jams

Provided that you follow the recommendations in this guide on use of print media, and you keep the media in good condition prior to use, your printer should give years of reliable service. However, paper jams occasionally do occur, and this section explains how to clear them quickly and simply.

Jams can occur due to paper misfeeding from a paper tray or at any point on the paper path through the printer. When a jam occurs, the printer immediately stops, and the operator panel informs you of the event. If printing multiple pages (or copies), do not assume that having cleared an obvious sheet that others will not also be stopped somewhere along the path. These must also be removed in order to clear the jam fully and restore normal operation.

The printer may experience a paper jam in one of three areas.

◆ INPUT JAM - paper has failed to leave the selected feed tray and enter the internal paper path of the printer. A typical message indicates a paper jam and identifies the tray to check.

◆ FEED JAM - paper has entered the printer but failed to reach the exit. A typical message indicates a paper jam and advises you to open the top cover for access.

◆ EXIT JAM - paper has reached the exit but has failed to exit completely from the printer. A typical message indicates an exit jam and advises you to open the top cover for access.

6.1. Input jam

1- Remove the paper tray from the printer.

2- Remove any crumpled or folded paper.

3- Remove any paper from the underside of the printer.

4- Replace the paper tray.

After successful removal of any damaged or misfed paper, the printer should continue printing.

6.2. Feed jam or exit jam

- 1- Remove the tray and clear any misfed sheets as given above.
- 2- Open the top cover.



The green image drum surface at the base of the cartridge is very delicate and light sensitive. Do not touch it and do not expose it to normal room light for more than 5 minutes. If the drum unit needs to be out of the printer for longer than this, please wrap the cartridge inside a black plastic bag to keep it away from light. Never expose the drum to direct sunlight or very bright room lighting. Always hold the image drum unit by the ends or from the top.



If the printer has been powered on, the fuser may be hot. This area is clearly labelled. Do not touch.

- 3- Carefully lift out the image drum, complete with the toner cartridge. Be careful not to touch or scratch the green drum surface.
- 4- Remove any jammed sheets from the paper path.
- 5- Re-install the image drum complete with toner cartridge, ensuring that it correctly locates into the slots on each side of the printer.
- 6- Close the top cover and press down to latch it closed.
- 7- The printer will warm up and commence printing when ready.
The page lost through the jam will normally be reprinted.



If the edge of the jammed paper protrudes (or can be seen) from the exit, reinstall the image drum, close the top cover and switch the printer on. Remove the jammed paper from the exit when the exit roller begins rotating after a few seconds after switching on.